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2	**Instrument cluster**	How to read the gauges and meters, the variety of warning lights and indicators, etc.
3	**Operation of each component**	Opening and closing the doors and windows, adjustment before driving, etc.
4	**Driving**	Operations and advice which are necessary for driving
5	**Audio system**	Operating the audio system
6	**Interior features**	Usage of the interior features, etc.
7	**Maintenance and care**	Caring for your vehicle and maintenance procedures
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*: Bluetooth is a registered trademark of Bluetooth SIG, Inc.

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For vehicles with a navigation system or a multimedia system, refer to the “Navigation and multimedia system Owner’s manual” for information regarding the equipment listed below.

- Navigation system
- Hands-free system (for cellular phone)
- Rear seat entertainment system
- Audio/video system

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

For your information

Main Owner's Manual

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

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

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

Accessories, spare parts and modification of your Toyota

Both genuine Toyota and a wide variety of other spare parts and accessories for Toyota vehicles are currently available on the market. Should it be determined that any of the genuine Toyota parts or accessories supplied with the vehicle need to be replaced, Toyota recommends that genuine Toyota parts or accessories, be used to replace them. Other parts or accessories of matching quality can also be used. Toyota cannot accept any liability or guarantee spare parts and accessories which are not genuine Toyota products, nor for replacement or installation involving such parts. In addition, damage or performance problems resulting from the use of non-genuine Toyota spare parts or accessories may not be covered under warranty.

Installation of an RF-transmitter system

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

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

Be sure to check with any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer for precautionary measures or special instructions regarding installation of an RF-transmitter system.

Further information regarding frequency bands, power levels, antenna positions and installation provisions for the installation of RF-transmitters, is available on request at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

Scrapping of your Toyota

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

⚠ WARNING

■ General precautions while driving

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

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

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

■ General precaution regarding children's safety

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

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

Reading this manual

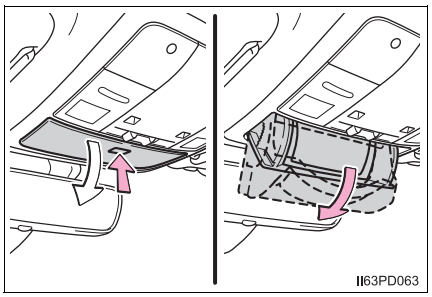
WARNING:
Explains something that, if not obeyed, could cause death or serious injury to people.

NOTICE:
Explains something that, if not obeyed, could cause damage to or a malfunction in the vehicle or its equipment.

1 2 3 ··· Indicates operating or working procedures. Follow the steps in numerical order.

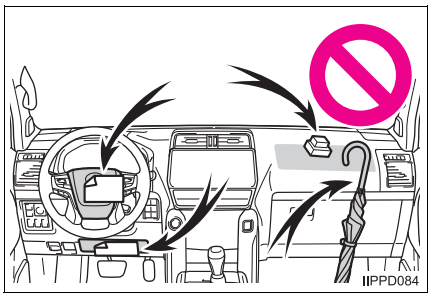
Indicates the action (pushing, turning, etc.) used to operate switches and other devices.

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



Indicates the component or position being explained.

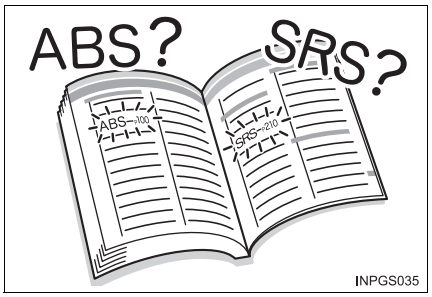
Means “Do not”, “Do not do this”, or “Do not let this happen”.



How to search

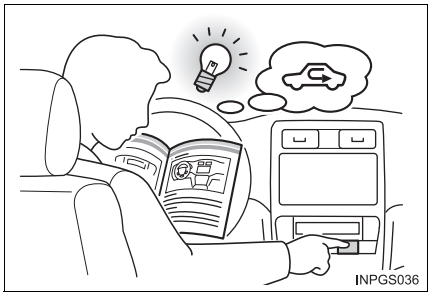
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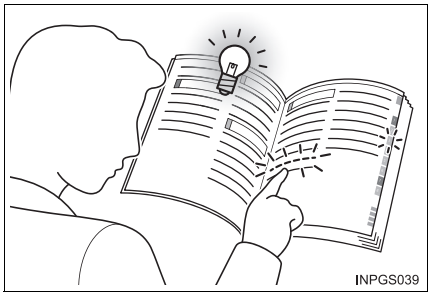
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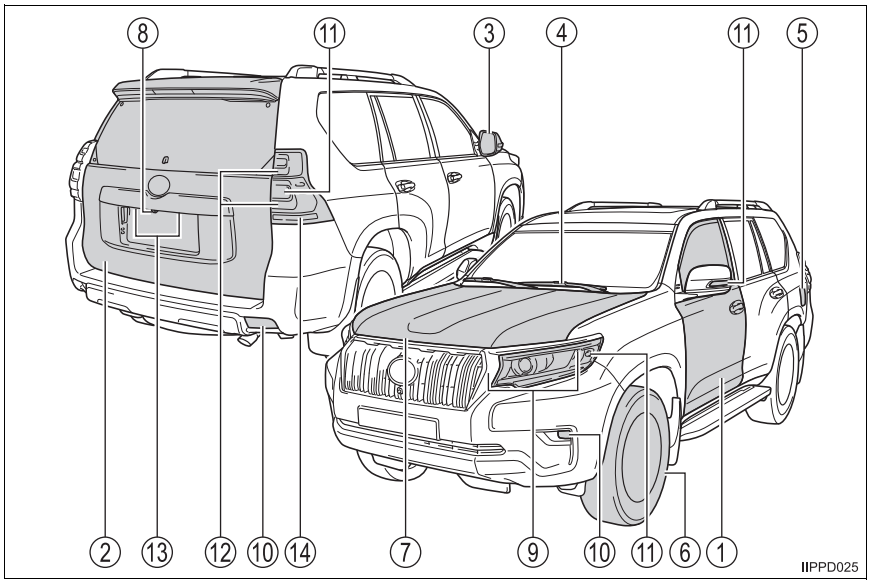
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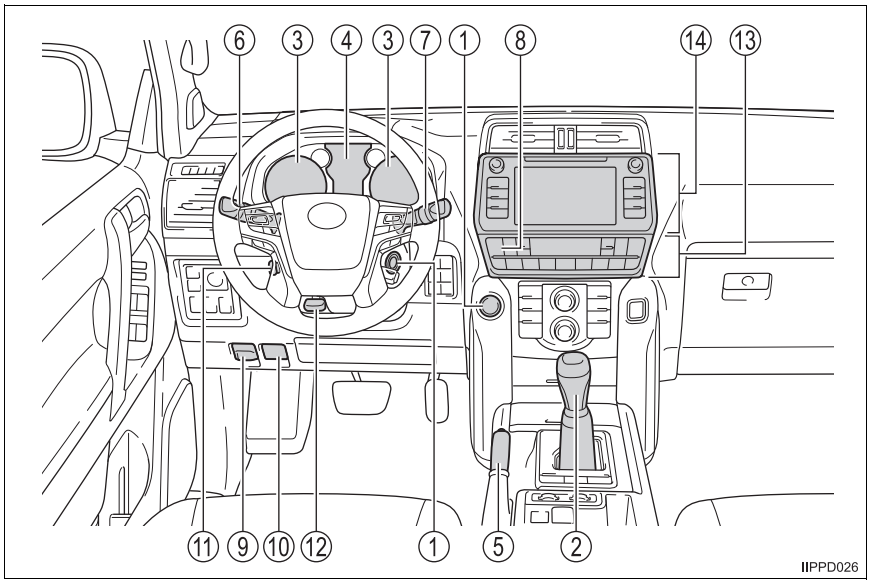
*1: If equipped

*2: The location of the camera differs depending on the location of the spare tire. (→P. 407, 433)

*3: Refer to the “Off-road Driving Owner’s Manual”.

*4: The location of the license plate lights differs depending on the location of the spare tire. (→P. 670)

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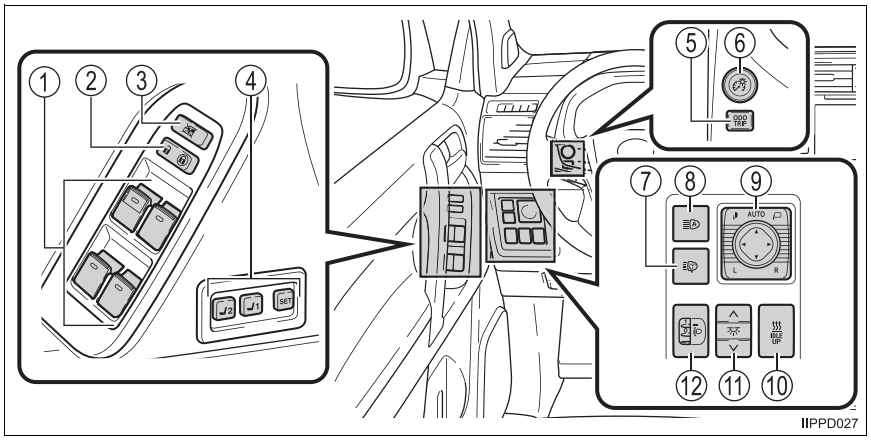
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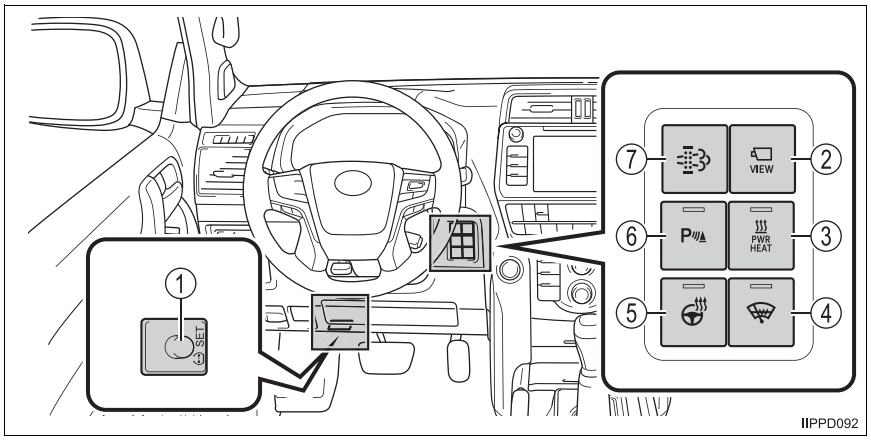
*1: If equipped

*2: For vehicles with a navigation system or a multimedia system, refer to the “Navigation and multimedia system Owner’s manual”.

Switches (Left-hand drive vehicles)

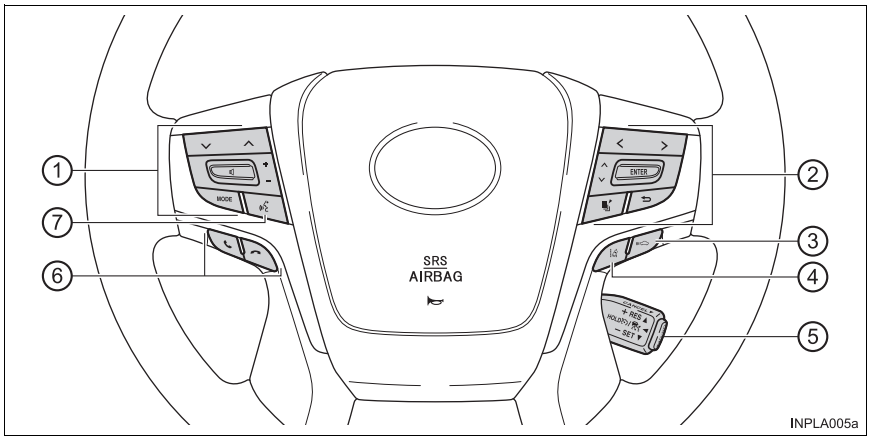


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⑦ Headlight cleaner switch*1 . . . . . P. 326
⑧ Automatic High Beam switch*1 . . . . . P. 311
⑨ Outside rear view mirror switches . . . . . P. 222
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⑦ **DPF system switch*1 . . . . . P. 290**

*1: If equipped
*2: Refer to the “Off-road Driving Owner’s Manual”.



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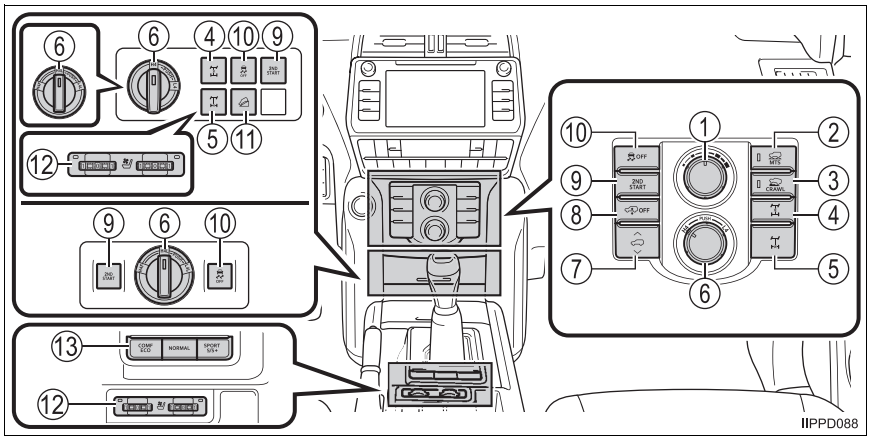
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⑥ **Telephone switches*1, 2 . . . . . P. 503**

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① **Multi-terrain Select mode selector dial*1, 3**
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② **Multi-terrain Select ON/OFF switch*1, 3**

③ **Crawl Control ON/OFF switch*1, 3**

④ **Center differential lock/unlock switch*1, 3**

⑤ **Rear differential lock/unlock switch*1, 3**

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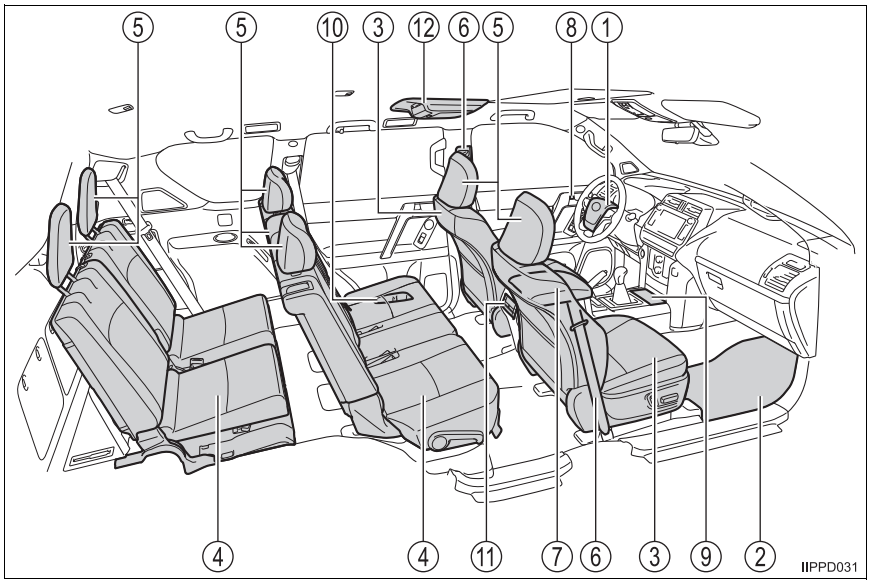
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*1: If equipped

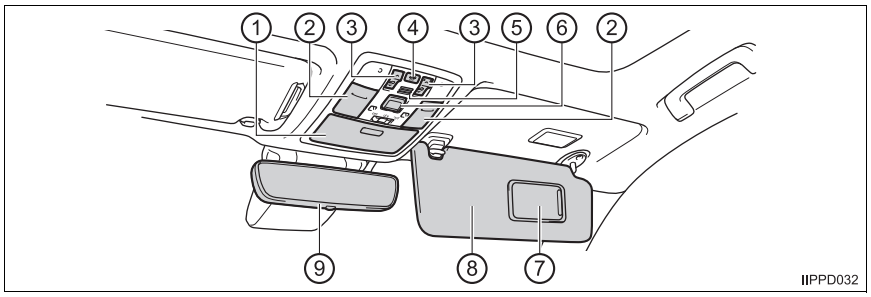
*2: For vehicles with a navigation system or a multimedia system, refer to the "Navigation and multimedia system Owner's manual".

*3: Refer to the "Off-road driving Owner's manual".

Interior (Left-hand drive vehicles)



① **SRS airbags** . . . . . **P. 41**
② **Floor mats** . . . . . **P. 32**
③ **Front seats** . . . . . **P. 193**
④ **Rear seats*1** . . . . . **P. 196**
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② **Personal/interior lights*4** . . . . . **P. 560**
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⑦ **Vanity mirrors** . . . . . **P. 579**
⑧ **Sun visors*3** . . . . . **P. 579**
⑨ **Inside rear view mirror** . . . . . **P. 220**

*1: If equipped

*2: For vehicles with a navigation system or a multimedia system, refer to the “Navigation and multimedia system Owner’s manual”.

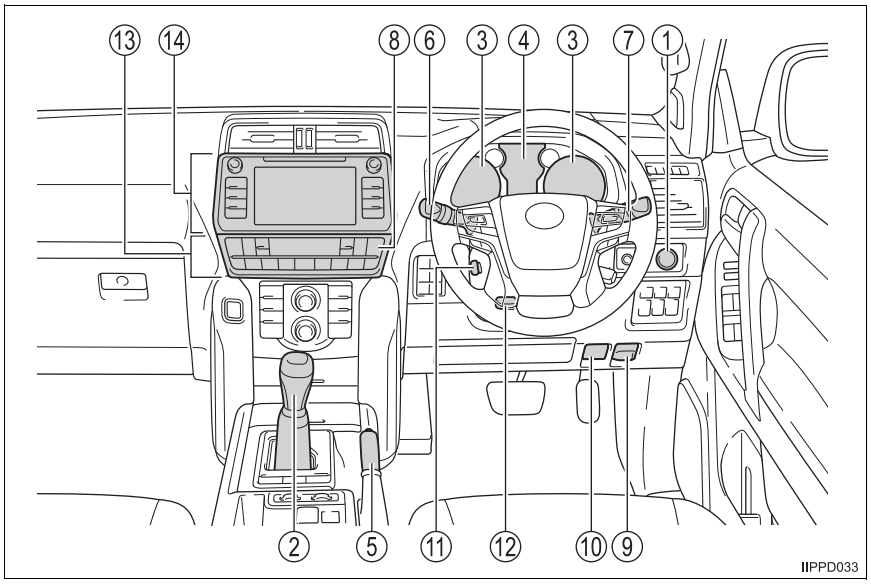
*3: NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur. (→P. 82)

*1



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

Instrument panel (Right-hand drive vehicles)



① **Engine switch . . . . . P. 268**
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Emergency stop of the engine . . . . . P. 685
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Changing the shift position . . . . . P. 278
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③ **Meters . . . . . P. 116**
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⑦ **Windshield wiper and washer switch . . . . . P. 318**
Usage . . . . . P. 318
Adding washer fluid . . . . . P. 623

⑧ **Emergency flasher switch . . . . . P. 684**

⑨ **Fuel filler door opener . . . . . P. 331**

⑩ **Hood lock release lever . . . . . P. 607**

⑪ **Tilt and telescopic steering control switch*1 . . . . . P. 217**
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⑫ **Tilt and telescopic steering lock release lever*1 . . . . . P. 217**

⑬ **Front manual air conditioning system . . . . . P. 530**
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Rear window defogger . . . . . P. 531

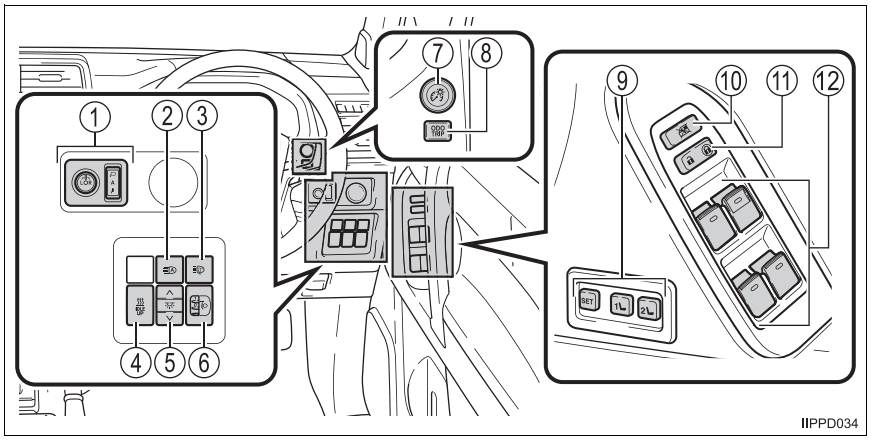
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Rear window defogger . . . . . P. 540

⑭ **Audio system*1, 2 . . . . . P. 466**
Navigation system/multimedia system*1, 2

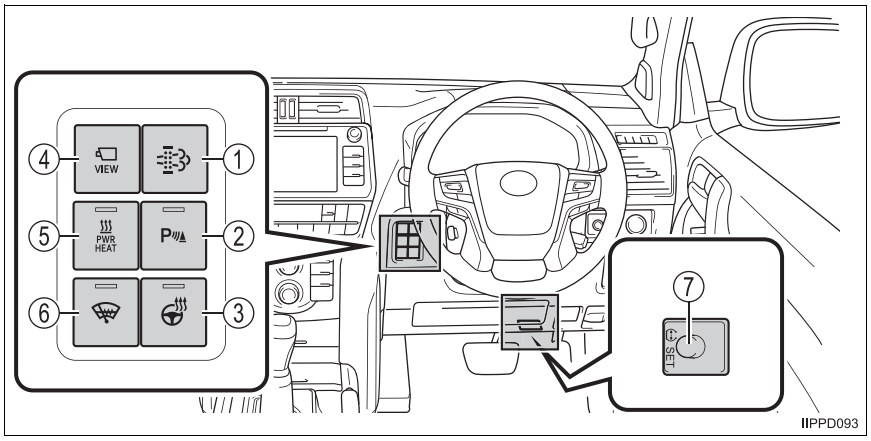
*1: If equipped

*2: For vehicles with a navigation system or a multimedia system, refer to the “Navigation and multimedia system Owner’s manual”.

Switches (Right-hand drive vehicles)



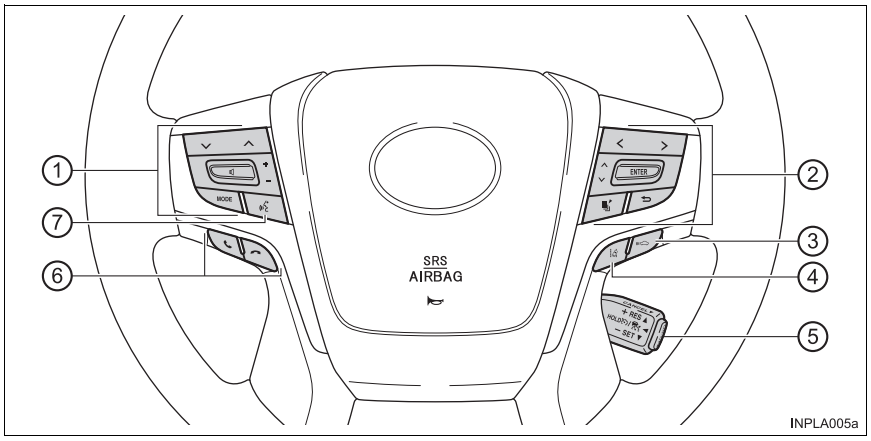
① Outside rear view mirror switches . . . . . P. 222
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⑤ Lounge illumination control switches*1 . . . . . P. 561
⑥ Manual headlight leveling dial*1 . . . . . P. 298
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⑩ Window lock switch . . . . . P. 227
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⑫ Power window switches . . . . . P. 227



① **DPF system switch*1 . . . . . P. 290**
② **Toyota parking assist-sensor switch*1 . . . . . P. 394**
③ **Heated steering wheel switch*1 . . . . . P. 555**
④ **Multi-terrain Monitor switch*1, 2**
⑤ **Power heater switch*1 . . . . . P. 552**
⑥ **Windshield wiper de-icer switch*1 . . . . . P. 532, 541**
⑦ **Tire pressure warning reset switch*1 . . . . . P. 637**

*1: If equipped

*2:Refer to the “Off-road Driving Owner’s Manual”.



① **Audio remote control switches*1, 2 . . . . . P. 467**

② **Meter control switches*1 . . . . . P. 125**

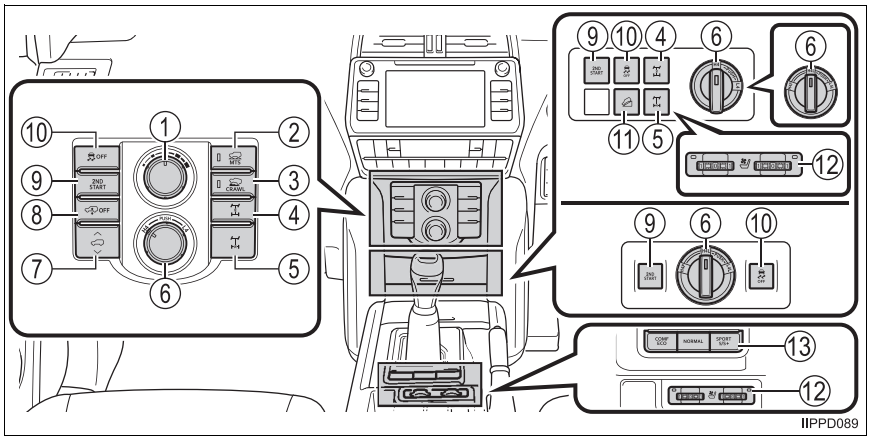
③ **Vehicle-to-vehicle distance switch*1 . . . . . P. 372**

④ **LDA (Lane Departure Alert) switch*1 . . . . . P. 358**

⑤ **Cruise control switch*1**
Cruise control*1 . . . . . P. 387
Dynamic radar cruise control*1 . . . . . P. 372

⑥ **Telephone switches*1, 2 . . . . . P. 503**

⑦ **Talk switch*1, 2**



① **Multi-terrain Select mode selector dial*1, 3**
Crawl Control speed selector dial*1, 3

② **Multi-terrain Select ON/OFF switch*1, 3**

③ **Crawl Control ON/OFF switch*1, 3**

④ **Center differential lock/unlock switch*1, 3**

⑤ **Rear differential lock/unlock switch*1, 3**

⑥ **Four-wheel drive control switch*3**

⑦ **Height control button*1, 3**

⑧ **Height control OFF button*1, 3**

⑨ **"2nd START" button*1 . . . . . P. 279**

⑩ **VSC OFF switch. . . . . P. 444**

⑪ **"DAC" switch*1, 3**

⑫ **Front seat heater switches*1/**
Seat heater and ventilator switches*1 . . . . . P. 556, 557

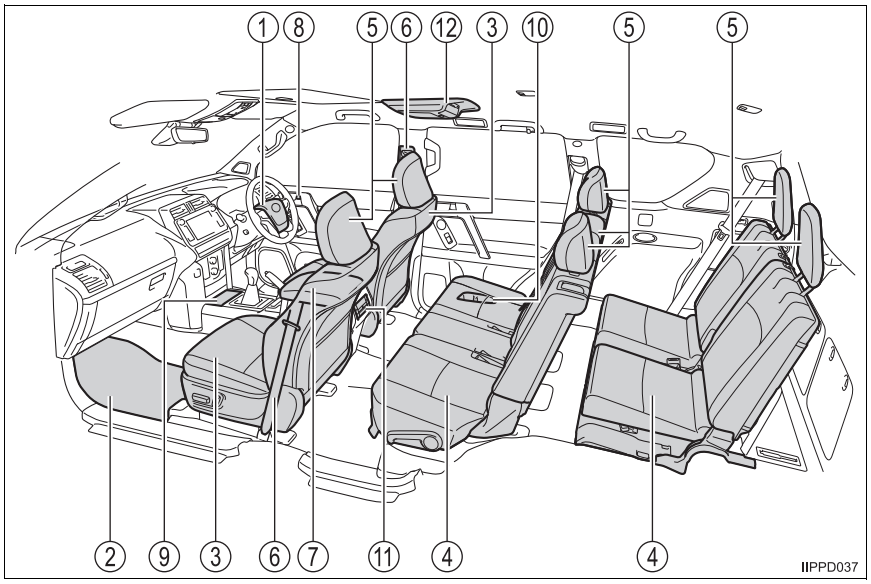
⑬ **Driving mode select switches*1. . . . . P. 391**
AVS switch*1, 3

*1: If equipped

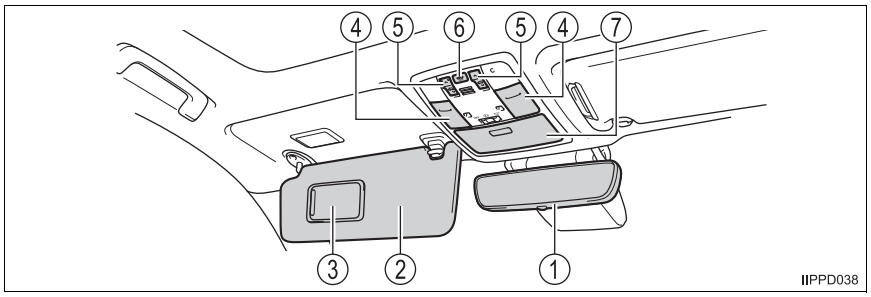
*2: For vehicles with a navigation system or a multimedia system, refer to the "Navigation and multimedia system Owner's manual".

*3: Refer to the "Off-road driving Owner's manual".

Interior (Right-hand drive vehicles)



① **SRS airbags** . . . . . **P. 41**
② **Floor mats** . . . . . **P. 32**
③ **Front seats** . . . . . **P. 193**
④ **Rear seats*1** . . . . . **P. 196**
⑤ **Head restraints** . . . . . **P. 214**
⑥ **Seat belts** . . . . . **P. 36**
⑦ **Console box** . . . . . **P. 565**
Cool box . . . . . **P. 577**
⑧ **Inside lock buttons** . . . . . **P. 149**
⑨ **Cup holders** . . . . . **P. 567**
⑩ **Bottle holders** . . . . . **P. 568**
⑪ **Rear air conditioning system*1** . . . . . **P. 547, 549**
⑫ **Rear seat entertainment system*1, 2**



① **Inside rear view mirror** . . . . . **P. 220**
② **Sun visors*3** . . . . . **P. 579**
③ **Vanity mirrors** . . . . . **P. 579**
④ **Personal/interior lights*4** . . . . . **P. 560**
⑤ **Moon roof switches*1** . . . . . **P. 231**
⑥ **Intrusion sensor and tilt sensor cancel switch*1** . . . . . **P. 102**
⑦ **Conversation mirror** . . . . . **P. 580**
Auxiliary boxes . . . . . **P. 571**

*1: If equipped
*2: For vehicles with a navigation system or a multimedia system, refer to the “Navigation and multimedia system Owner’s manual”.
*3: NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur. (→P. 82)

*1



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

For safety and security 1

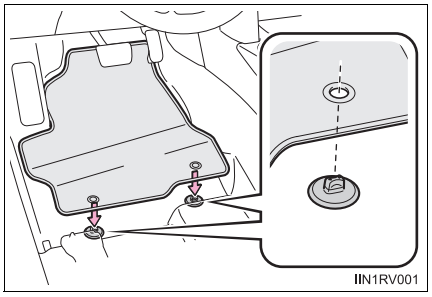
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Installing child restraints.....72
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Engine immobilizer system.....85
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Before driving

Floor mat

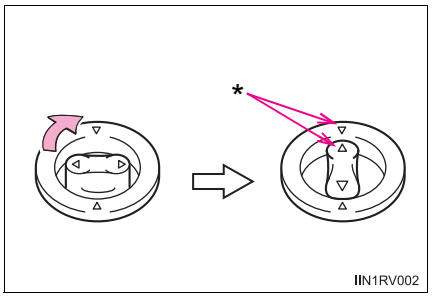
Use only floor mats designed specifically for vehicles of the same model and model year as your vehicle. Fix them securely in place onto the carpet.

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



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

*: Always align the △ marks.



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

WARNING

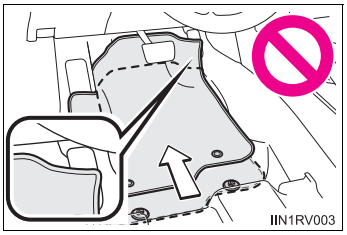
Observe the following precautions.
Failure to do so may cause the driver's floor mat to slip, possibly interfering with the pedals while driving. An unexpectedly high speed may result or it may become difficult to stop the vehicle. This could lead to an accident, resulting in death or serious injury.

■ When installing the driver's floor mat

- Do not use floor mats designed for other models or different model year vehicles, even if they are Toyota Genuine floor mats.
- Only use floor mats designed for the driver's seat.
- Always install the floor mat securely using the retaining hooks (clips) provided.
- Do not use two or more floor mats on top of each other.
- Do not place the floor mat bottom-side up or upside-down.

■ Before driving

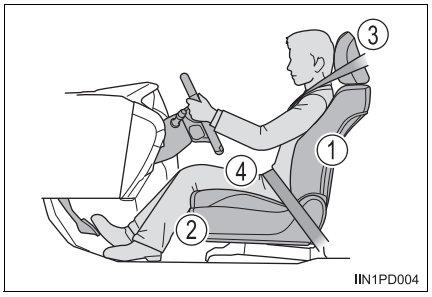
- Check that the floor mat is securely fixed in the correct place with all the provided retaining hooks (clips). Be especially careful to perform this check after cleaning the floor.
- With the engine stopped and the shift lever in P (automatic transmission) or N (manual transmission), fully depress each pedal to the floor to make sure it does not interfere with the floor mat.



For safe driving

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

Correct driving posture



① Adjust the angle of the seatback so that you are sitting straight up and so that you do not have to lean forward to steer. (→P. 193)

② Adjust the seat so that you can depress the pedals fully and so that your arms bend slightly at the elbow when gripping the steering wheel. (→P. 193)

③ Lock the head restraint in place with the center of the head restraint closest to the top of your ears. (→P. 214)

④ Wear the seat belt correctly. (→P. 36)

Correct use of the seat belts

Make sure that all occupants are wearing their seat belts before driving the vehicle. (→P. 36)

Use a child restraint system appropriate for the child until the child becomes large enough to properly wear the vehicle's seat belt. (→P. 59)

Adjusting the mirrors

Make sure that you can see backward clearly by adjusting the inside and outside rear view mirrors properly. (→P. 220, 222)

⚠ WARNING

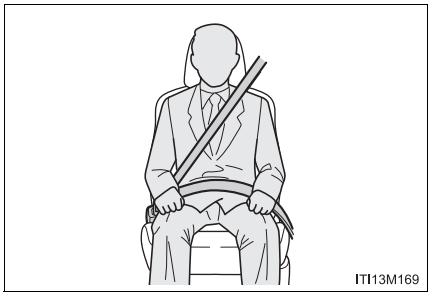
Observe the following precautions.
Failure to do so may result in death or serious injury.

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

Seat belts

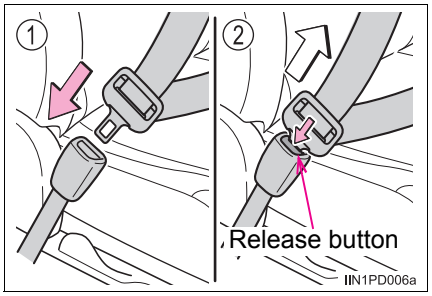
Make sure that all occupants are wearing their seat belts before driving the vehicle.

Correct use of the seat belts



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

Fastening and releasing the seat belt



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

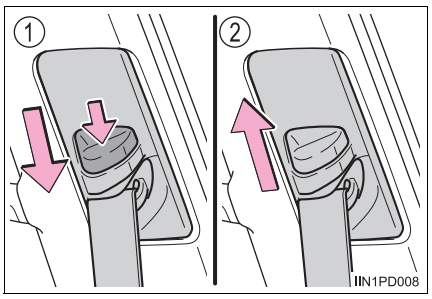
② To release the seat belt, press the release button.

Adjusting the seat belt shoulder anchor height (front and outer second [5-door models] seats)

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

② Push the seat belt shoulder anchor up.

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

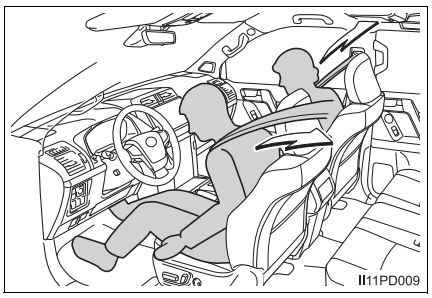


Seat belt pretensioners (front seats)

▶ Vehicles without ERA-GLONASS/EVAK

The pretensioners help the seat belts to quickly restrain the occupants by retracting the seat belts when the vehicle is subjected to certain types of severe frontal or side collision.

The pretensioners do not activate in the event of a minor frontal impact, a minor side impact, a rear impact or a vehicle rollover.



▶ Vehicles with ERA-GLONASS/EVAK

The pretensioners help the seat belts to quickly restrain the occupants by retracting the seat belts when the vehicle is subjected to certain types of severe frontal or side collision or a vehicle rollover.

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

■ **Emergency locking retractor (ELR)**

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

■ **Child seat belt usage**

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

- Use a child restraint system appropriate for the child, until the child becomes large enough to properly wear the vehicle's seat belt. (→P. 59)
- When the child becomes large enough to properly wear the vehicle's seat belt, follow the instructions on P. 36 regarding seat belt usage.

■ **Replacing the belt after the pretensioner has been activated**

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

■ **Seat belt regulations**

If seat belt regulations exist in the country where you reside, please contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer for seat belt replacement or installation.

WARNING

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

■ Wearing a seat belt

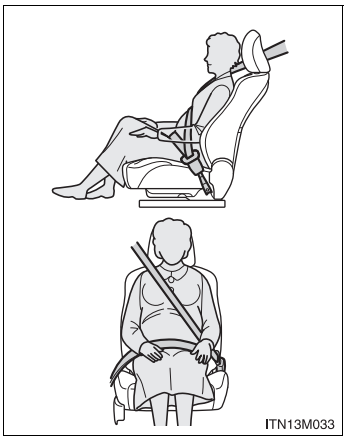
- Ensure that all passengers wear a seat belt.
- Always wear a seat belt properly.
- Each seat belt should be used by one person only. Do not use a seat belt for more than one person at once, including children.
- Toyota recommends that children be seated in the rear seat and always use a seat belt and/or an appropriate child restraint system.
- To achieve a proper seating position, do not recline the seat more than necessary. The seat belt is most effective when the occupants are sitting up straight and well back in the seats.
- Do not wear the shoulder belt under your arm.
- Always wear your seat belt low and snug across your hips.

■ Pregnant women

Obtain medical advice and wear the seat belt in the proper way. (→P. 36)

Women who are pregnant should position the lap belt as low as possible over the hips in the same manner as other occupants, extending the shoulder belt completely over the shoulder and avoiding belt contact with the rounding of the abdominal area.

If the seat belt is not worn properly, not only the pregnant woman, but also the fetus could suffer death or serious injury as a result of sudden braking, sudden swerving or a collision.



WARNING

■ **People suffering illness**

Obtain medical advice and wear the seat belt in the proper way. (→P. 36)

■ **When children are in the vehicle**

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

■ **Seat belt pretensioners**

If the pretensioner has activated, the SRS warning light will come on. In that case, the seat belt cannot be used again and must be replaced at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **Adjustable shoulder anchor**

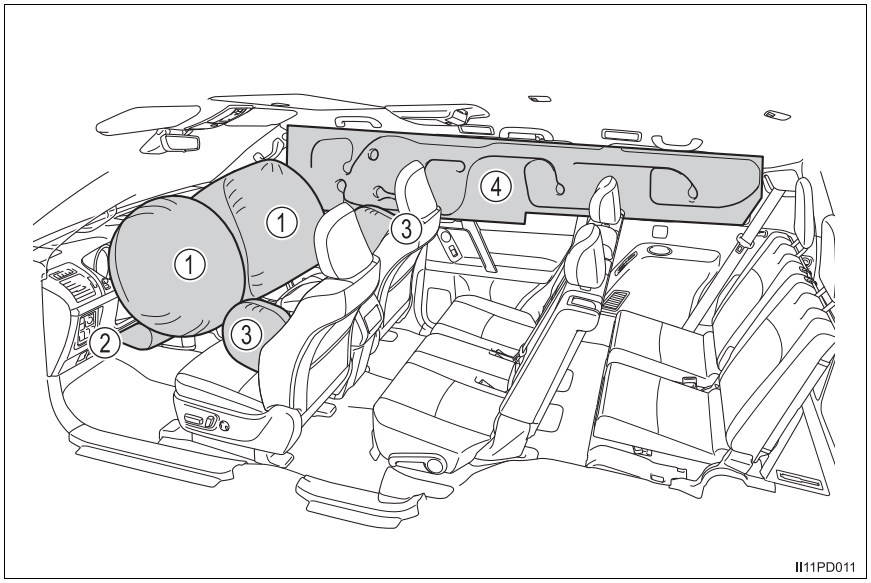
Always make sure the shoulder belt is positioned across the center of your shoulder. The belt should be kept away from your neck, but not falling off your shoulder. Failure to do so could reduce the amount of protection in an accident and cause death or serious injuries in the event of a sudden stop, sudden swerve or accident. (→P. 37)

■ **Seat belt damage and wear**

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

SRS airbags

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



◆ SRS front airbags

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

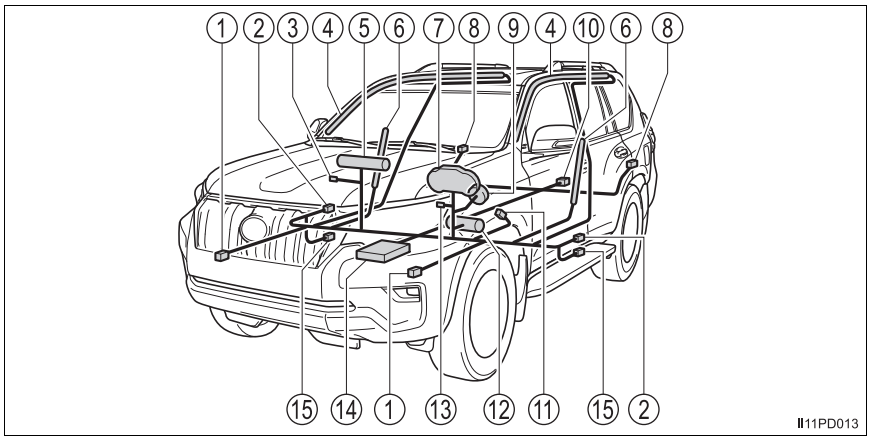
② SRS driver knee airbag (if equipped)
Can help provide driver protection

◆ SRS side and curtain shield airbags

③ SRS side airbags (if equipped)
Can help protect the torso of the front seat occupants

④ SRS curtain shield airbags (if equipped)
Can help protect primarily the head of occupants in the outer seats

Airbag system components



① Front impact sensors
② Side impact sensors (front door) (if equipped)
③ Airbag manual on-off switch (if equipped)
④ Curtain shield airbags (if equipped)
⑤ Front passenger airbag
⑥ Side airbags (if equipped)
⑦ SRS warning light
⑧ Side impact sensors (rear) (if equipped)
⑨ Driver airbag
⑩ Safing sensor (rear) (if equipped)
⑪ Driver's seat belt buckle switch
⑫ Driver's knee airbag (if equipped)
⑬ AIR BAG OFF indicator light (if equipped)
⑭ Airbag sensor assembly
⑮ Seat belt pretensioners and force limiters

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

⚠ WARNING

■ SRS airbag precautions

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

- The driver and all passengers in the vehicle must wear their seat belts properly.
  The SRS airbags are supplemental devices to be used with the seat belts.
- The SRS driver airbag deploys with considerable force, and can cause death or serious injury especially if the driver is very close to the airbag.

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

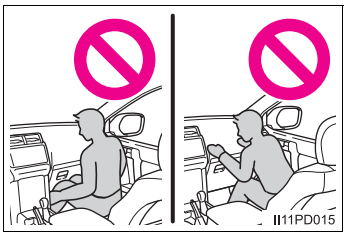
  • Move your seat to the rear as far as you can while still reaching the pedals comfortably.
  • Slightly recline the back of the seat. Although vehicle designs vary, many drivers can achieve the 250 mm (10 in.) distance, even with the driver seat all the way forward, simply by reclining the back of the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

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

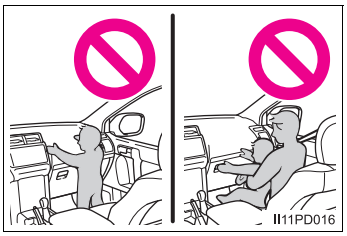
WARNING

■ **SRS airbag precautions**

- The SRS front passenger airbag also deploys with considerable force, and can cause death or serious injury especially if the front passenger is very close to the airbag. The front passenger seat should be as far from the airbag as possible with the seatback adjusted, so the front passenger sits upright.
- Improperly seated and/or restrained infants and children can be killed or seriously injured by a deploying airbag. An infant or child who is too small to use a seat belt should be properly secured using a child restraint system. Toyota strongly recommends that all infants and children be placed in the rear seats of the vehicle and properly restrained. The rear seats are safer for infants and children than the front passenger seat. (→P. 59)
- Do not sit on the edge of the seat or lean against the dashboard.



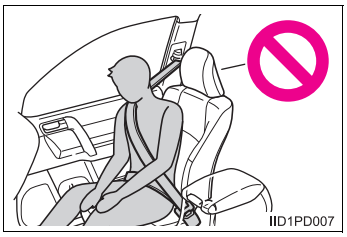
- Do not allow a child to stand in front of the SRS front passenger airbag unit or sit on the knees of a front passenger.
- Do not allow the front seat occupants to hold items on their knees.



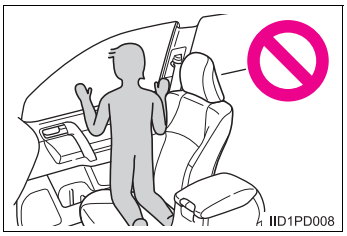
WARNING

■ **SRS airbag precautions**

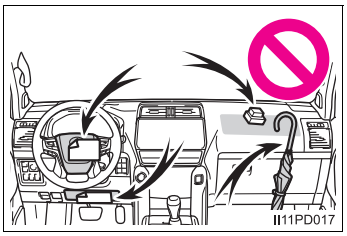
- Vehicles with SRS curtain shield airbags:
  Do not lean against the door, the roof side rail or the front, side and rear pillars.



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



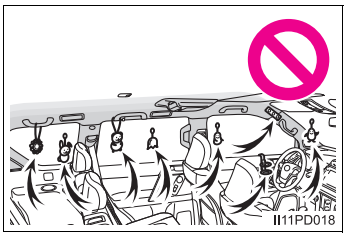
- Do not attach anything to or lean anything against areas such as the dashboard, steering wheel pad and lower portion of the driver's side instrument panel.
  These items can become projectiles when the SRS driver, front passenger and knee airbags (if equipped) deploy.



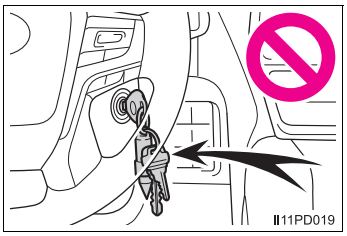
WARNING

■ SRS airbag precautions

- Vehicles with SRS curtain shield airbags:
  Do not attach anything to areas such as a door, windshield glass, side door glass, front, side or rear pillars, roof side rail and assist grip. (Except for the speed limit sticker →P. 725)



- Vehicles without a smart entry & start system:
  Do not attach any heavy, sharp or hard objects such as keys or accessories to the key. The objects may restrict the SRS knee airbag (if equipped) inflation or be thrust into the driver's seat area by the force of the deploying airbag, thus causing a danger.



- Vehicles with SRS curtain shield airbags:
  Do not hang coat hangers or other hard objects on the coat hooks. All of these items could become projectiles and may cause death or serious injury, should the SRS curtain shield airbag deploy.
- Vehicles with SRS knee airbag:
  If the vinyl cover is put on the area where the SRS knee airbag will deploy, be sure to remove it.

WARNING

■ **SRS airbag precautions**

- Vehicles with SRS 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 SRS airbags. Such accessories may prevent the side airbags from activating correctly, disable the system or cause the side airbags to inflate accidentally, resulting in death or serious injury.
- Do not strike or apply significant levels of force to the area of the SRS airbag components.
  Doing so can cause the SRS airbags to malfunction.
- Do not touch any of the component parts immediately after the SRS airbags have deployed (inflated) as they may be hot.
- If breathing becomes difficult after the SRS airbags have deployed, open a door or window to allow fresh air in, or leave the vehicle if it is safe to do so. Wash off any residue as soon as possible to prevent skin irritation.
- Vehicles without SRS 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 any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
  Vehicles with SRS curtain shield airbags: If the areas where the SRS airbags are stored, such as the steering wheel pad and front, side and rear pillar garnishes, are damaged or cracked, have them replaced by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

WARNING

■ **Modification and disposal of SRS airbag system components**

Do not dispose of your vehicle or perform any of the following modifications without consulting any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer. 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
- Vehicles without ERA-GLONASS/EVAK: Installation of a grille guard (bull bars, kangaroo bar, etc.), snow plows or winches
  Vehicles with ERA-GLONASS/EVAK: Installation of a grille guard (bull bars, kangaroo bar, etc.), snow plows, winches or roof luggage carrier
- Modifications to the vehicle's suspension system
- Installation of electronic devices such as mobile two-way radios (RF-transmitter) and CD players
- Modifications to your vehicle for a person with a physical disability

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

- Slight abrasions, burns, bruising etc., may be sustained from SRS airbags, due to the extremely high speed deployment (inflation) by hot gases.
- A loud noise and white powder will be emitted.
- Vehicles without SRS 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.
  Vehicles with SRS curtain shield airbags:
  Parts of the airbag module (steering wheel hub, airbag cover and inflator) as well as the front seats, parts of the front and rear pillars and roof side rails, may be hot for several minutes. The airbag itself may also be hot.
- The windshield may crack.
- Vehicles with ERA-GLONASS/EVAK: For ERA-GLONASS/EVAK subscribers, if any of the following situations occur, the system is designed to send an emergency call* to the ERA-GLONASS/EVAK control center, notifying them of the vehicle's location (without needing to push the "SOS" button) and an agent will attempt to speak with the occupants to ascertain the level of emergency and assistance required. If the occupants are unable to communicate, the agent automatically treats the call as an emergency and helps to dispatch the necessary emergency services. (→P. 588)
  - An SRS airbag is deployed.
  - A seat belt pretensioner is activated.
  - The vehicle is involved in a severe rear-end collision.

  *: In some cases, the call cannot be made. (→P. 591)

■ **SRS airbag deployment conditions (SRS front airbags)**

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

However, this threshold velocity will be considerably higher in the following situations:

- If the vehicle strikes an object, such as a parked vehicle or sign pole, which can move or deform on impact
- If the vehicle is involved in an underride collision, such as a collision in which the front of the vehicle “underrides”, or goes under, the bed of a truck

● Depending on the type of collision, it is possible that only the seat belt pre-tensioners will activate.

■ **SRS airbag deployment conditions (SRS side and curtain shield airbags)**

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

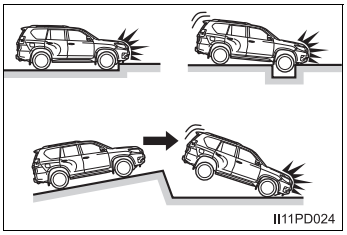
● Vehicles with ERA-GLONASS/EVAK: Both SRS curtain shield airbags will deploy in the event of vehicle rollover.

● All SRS side and curtain shield airbags will deploy in the event of a severe frontal collision.

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

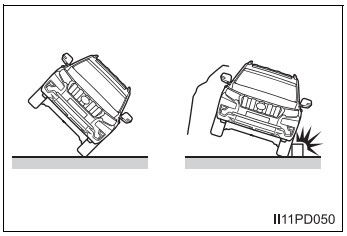
The SRS front airbags and SRS side and curtain shield airbags may also deploy if a serious impact occurs to the underside of your vehicle. Some examples are shown in the illustration.

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



Vehicles with ERA-GLONASS/EVAK: The SRS curtain shield airbags may also deploy under the situations shown in the illustration.

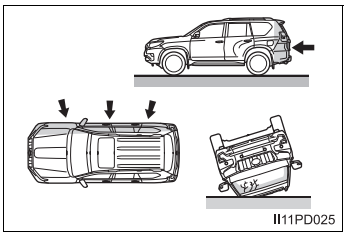
- The angle of vehicle tip-up is marginal.
- The vehicle skids and hits a curb stone.



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

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

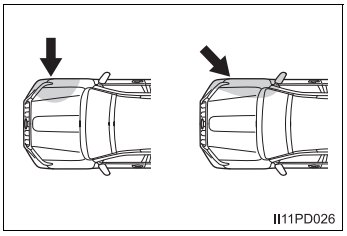
- Collision from the side
- Collision from the rear
- Vehicle rollover



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

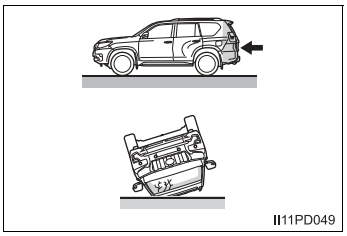
The SRS side and curtain shield airbags may not activate if the vehicle is subjected to a collision from the side at certain angles, or a collision to the side of the vehicle body other than the passenger compartment.

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



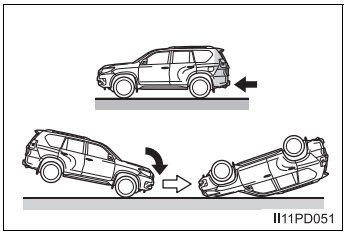
The SRS side and curtain shield airbags (vehicles without ERA-GLONASS/EVAK) or SRS side airbags (vehicles with ERA-GLONASS/EVAK) do not generally inflate if the vehicle is involved in a rear collision, if it rolls over, or if it is involved in a low-speed side or low-speed frontal collision.

- Collision from the rear
- Vehicle rollover



Vehicles with ERA-GLONASS/EVAK: The SRS curtain shield airbags do not generally inflate if the vehicle is involved in a rear collision, if it pitches end over end, or if it is involved in a low-speed side or low-speed frontal collision.

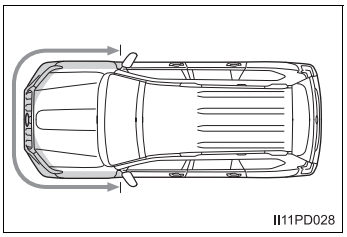
- Collision from the rear
- Pitching end over end



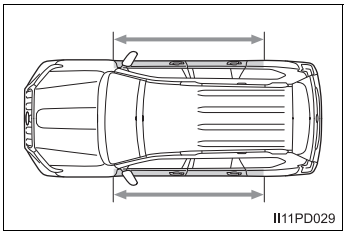
■ **When to contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer**

In the following cases, the vehicle will require inspection and/or repair. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer as soon as possible.

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

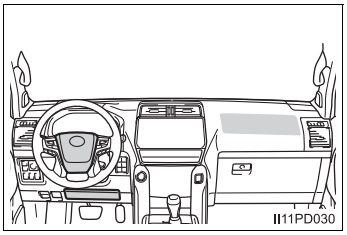


- Vehicles with SRS side and curtain shield airbags:
  A portion of a door or its surrounding area is damaged or deformed, or the vehicle was involved in an accident that was not severe enough to cause the SRS side and curtain shield airbags to inflate.

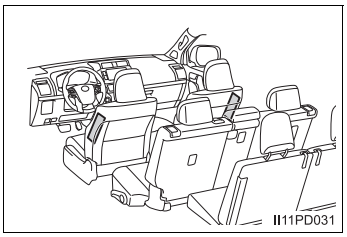


- Vehicles without SRS knee airbag:
  The pad section of the steering wheel or dashboard near the front passenger airbag is scratched, cracked, or otherwise damaged.

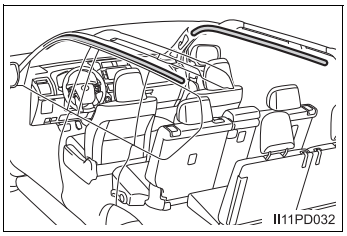
  Vehicles with SRS knee airbag:
  The pad section of the steering wheel, dashboard near the front passenger airbag or lower portion of the driver's side instrument panel is scratched, cracked, or otherwise damaged.



● Vehicles with SRS side airbags:
The surface of the seats with the SRS side airbag is scratched, cracked or otherwise damaged.



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

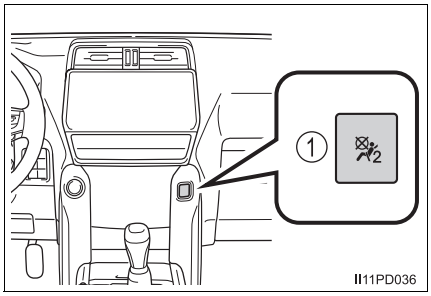


Airbag manual on-off system*

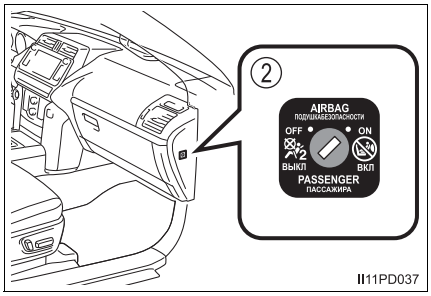
This system deactivates the front passenger airbag.
Only deactivate the airbag when using a child restraint system on the front passenger seat.

① AIR BAG OFF indicator light

This indicator light turns on when the engine switch is in IGNITION ON mode.



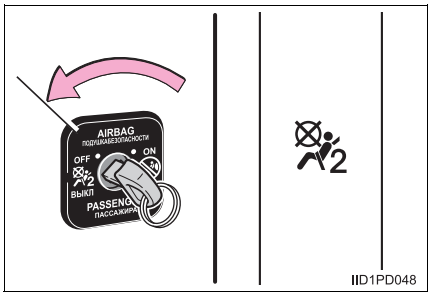
② Airbag manual on-off switch



Deactivating the airbag for the front passenger

Insert the mechanical key into the cylinder and turn to the “OFF” position.

The “OFF” indicator light turns on (only when the engine switch is in IGNITION ON mode).



*: If equipped

■ **AIR BAG OFF indicator light**

If any of the following problems occur, it is possible that there is a malfunction in the system. Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

- The indicator light does not come on when the airbag manual on-off switch is switched to “OFF”.
- The indicator light does not go off when the airbag manual on-off switch is switched to “ON”.

WARNING

■ **When installing a child restraint system**

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

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

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

Safety information for children

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

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

⚠ WARNING

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

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

Child restraint systems

Toyota strongly urges 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. 72)
- If child restraint system regulations exist in the country where you reside, please contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer for the child restraint system installation.
- Toyota recommends that you use a child restraint system which conforms to the regulation ECE No.44.

Types of child restraints

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

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

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

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

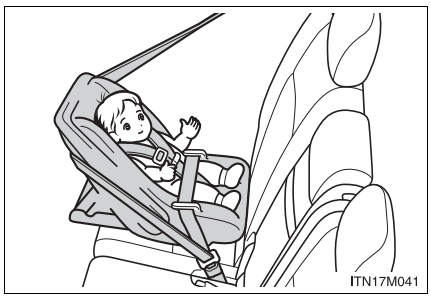
Group II: 15 to 25 kg (34 to 55 lb.) (4 years - 7 years)

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

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

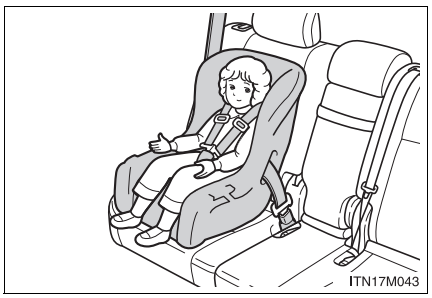
▶ Baby seat

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



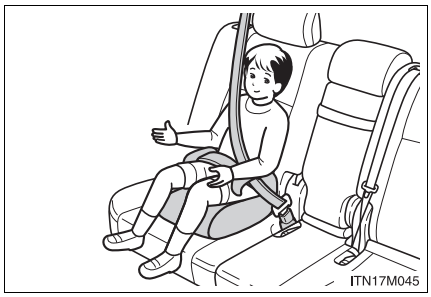
▶ Child seat

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



▶ Junior seat

Equal to Group II and III of ECE No.44



Child restraint system suitability for various seating positions

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

▶ 3-door models

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

Key of letters inserted in the above table:

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

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

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

NOTE:

*1: Adjust the seatback to the most upright position.
If the head restraint interferes with your child restraint system, and the head restraint can be removed, remove the head restraint.
If the passenger seat is equipped with a vertical height adjuster, it must be placed in the upper most position.
Follow these procedures:

- For installing a baby seat with support base
  If the baby seat interferes with the seatback when latching the baby seat into the support base, adjust the seatback rearward until there is no interference.
- For installing a forward-facing child seat
  If there is gap between the child seat and the seatback, tilt the seatback rearward until good contact is achieved.
  If the seat belt shoulder anchor is ahead of the child seat belt guide, move the seat cushion forward.
- For installing a junior seat
  If the child in your child restraint system is in a very upright position, adjust the seatback to the most comfortable position.
  If the seat belt shoulder anchor is ahead of the child seat belt guide, move the seat cushion forward.

*2: If the head restraint interferes with your child restraint system, and the head restraint can be removed, remove the head restraint.

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

Other child restraint systems which are different from the systems mentioned in the table can be used, but the suitability of the systems must be carefully checked with the child restraint system manufacturer concerned and the seller of those seats.

▶ 5-door models

Seating position / Mass groups	Front passenger seat			Second seat		Third seat (if equipped)
	Stan-dard	Airbag manual on-off switch				
		ON	OFF	Out-board	Center	
0 Up to 10 kg (22 lb.) (0 - 9 months)	X Never put	X Never put	U*1	U	L1	L1
0+ Up to 13 kg (28 lb.) (0 - 2 years)	X Never put	X Never put	U*1	U	L1	L1
I 9 to 18 kg (20 to 39 lb.) (9 months - 4 years)	Rear-facing — X Never put	Rear-facing — X Never put	U*1	U*2	L2*3	L2*4
	For-ward-facing — UF*1	For-ward-facing — UF*1				
II, III 15 to 36 kg (34 to 79 lb.) (4 - 12 years)	UF*1	UF*1	U*1	U*2	L3*3	L3*5

Key of letters inserted in the above table:

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

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

L1: Suitable for “TOYOTA G0+, BABYSAFE PLUS” (0 to 13 kg [0 to 28 lb.]) and “TOYOTA MINI” (0 to 13 kg [0 to 28 lb.]) approved for the use in this mass group.

L2: Suitable for “TOYOTA DUO+” (without ISOFIX, 9 to 18 kg [20 to 39 lb.]) approved for the use in this mass group.

L3: Suitable for “TOYOTA KID” (15 to 36 kg [34 to 79 lb.]) approved for the use in this mass group.

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

NOTE:

*1: Adjust the seatback to the most upright position.
If the head restraint interferes with your child restraint system, and the head restraint can be removed, remove the head restraint.
If the passenger seat is equipped with a vertical height adjuster, it must be placed in the upper most position.
Follow these procedures:

- For installing a baby seat with support base
  If the baby seat interferes with the seatback when latching the baby seat into the support base, adjust the seatback rearward until there is no interference.
- For installing a forward-facing child seat
  If there is gap between the child seat and the seatback, tilt the seatback rearward until good contact is achieved.
  If the seat belt shoulder anchor is ahead of the child seat belt guide, move the seat cushion forward.
- For installing a junior seat
  If the child in your child restraint system is in a very upright position, adjust the seatback to the most comfortable position.
  If the seat belt shoulder anchor is ahead of the child seat belt guide, move the seat cushion forward.

*2: If the head restraint interferes with your child restraint system, and the head restraint can be removed, remove the head restraint.

*3: When you use a child restraint system in this position, move the head restraint to the lowest position.

*4: When you use a child restraint system in this position, move the head restraint to the upmost position. (vehicles with third manual seats)

*5: When you use a child restraint system in this position, remove the head restraint. (vehicles with third manual seats)

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

Other child restraint systems which are different from the systems mentioned in the table can be used, but the suitability of the systems must be carefully checked with the child restraint system manufacturer concerned and the seller of those seats.

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

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

▶ 3-door models

Mass groups	Size class	Fixture	Vehicle ISOFIX positions	
			Outboard rear seat	
			Right-hand	Left-hand
Carrycot	F	ISO/L1	X	X
	G	ISO/L2	X	X
		(1)	X	X
0 Up to 10 kg (22 lb.) (0 - 9 months)	E	ISO/R1	IL1	X
		(1)	X	X
0+ Up to 13 kg (28 lb.) (0 - 2 years)	E	ISO/R1	IL1	X
	D	ISO/R2	IL1	X
	C	ISO/R3	IL1	X
		(1)	X	X
I 9 to 18 kg (20 to 39 lb.) (9 months - 4 years)	D	ISO/R2	X	X
	C	ISO/R3	X	X
	B	ISO/F2	IUF*, IL2*	IUF*
	B1	ISO/F2X	IUF*, IL2*	IUF*
	A	ISO/F3	IUF*, IL2*	IUF*
		(1)	X	X
II, III 15 to 36 kg (34 to 79 lb.) (4 - 12 years)		(1)	X	X

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

Key of letters inserted in the above table:

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

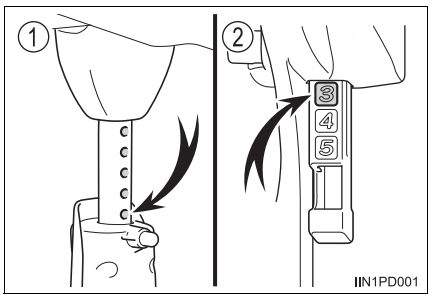
IL1: Suitable for “TOYOTA MINI with BASE” (0 to 13 kg [0 to 28 lb.]) and “TOYOTA MIDI” (0 to 13 kg [0 to 28 lb.]) approved for the use in this mass group.

IL2: Suitable for “TOYOTA MIDI” (9 to 18 kg [20 to 39 lb.]) approved for the use in this mass group.

When using a “TOYOTA MINI” or “TOYOTA MIDI”, adjust the support leg and ISOFIX connectors as follows:

① Lock the support leg where 5th hole can be seen.

② Lock the ISOFIX connectors where number 3 can be seen.



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

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

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

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

▶ 5-door models

Mass groups	Size class	Fixture	Vehicle ISOFIX positions
			Outboard second seat
Carrycot	F	ISO/L1	X
	G	ISO/L2	X
		(1)	X
0 Up to 10 kg (22 lb.) (0 - 9 months)	E	ISO/R1	IL1
		(1)	X
0+ Up to 13 kg (28 lb.) (0 - 2 years)	E	ISO/R1	IL1
	D	ISO/R2	IL1
	C	ISO/R3	IL1
		(1)	X
I 9 to 18 kg (20 to 39 lb.) (9 months - 4 years)	D	ISO/R2	X
	C	ISO/R3	X
	B	ISO/F2	IUF*, IL2*
	B1	ISO/F2X	IUF*, IL2*
	A	ISO/F3	IUF*, IL2*
		(1)	X
II, III 15 to 36 kg (34 to 79 lb.) (4 - 12 years)		(1)	X

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

Key of letters inserted in the above table:

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

IL1: Suitable for “TOYOTA MINI with BASE” (0 to 13 kg [0 to 28 lb.]) and “TOYOTA MIDI” (0 to 13 kg [0 to 28 lb.]) approved for the use in this mass group.

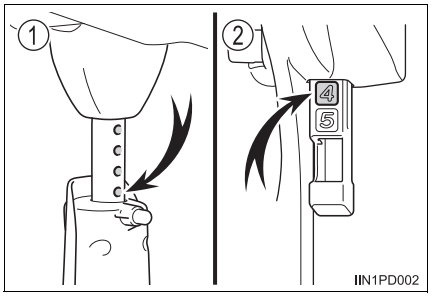
IL2: Suitable for “TOYOTA MIDI” (9 to 18 kg [20 to 39 lb.]) approved for the use in this mass group.

When using a “TOYOTA MINI” or “TOYOTA MIDI”, adjust the support leg and ISOFIX connectors as follows:

▶ 7-passengers models

① Lock the support leg where 4th hole can be seen.

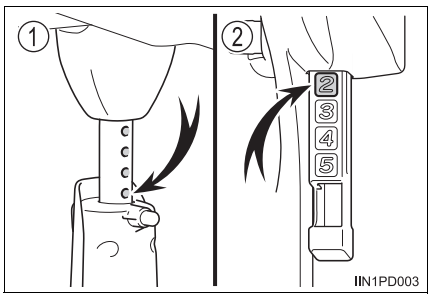
② Lock the ISOFIX connectors where number 4 can be seen.



▶ 5-passengers models

① Lock the support leg where 4th hole can be seen.

② Lock the ISOFIX connectors where number 2 can be seen.



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

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

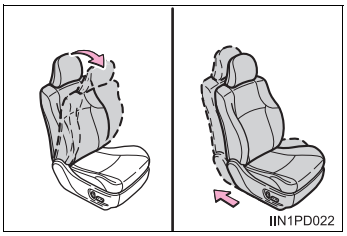
The child restraint systems mentioned in the table may not be available outside of the EU area.

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

When installing a child restraint system on the front passenger seat

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

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



Selecting an appropriate child restraint system

- Use a child restraint system appropriate for the child until the child becomes large enough to properly wear the vehicle's seat belt.
- If the child is too large for a child restraint system, sit the child on a rear seat and use the vehicle's seat belt. (→P. 36)

WARNING

Using a child restraint system

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

Child restraint precautions

- For effective protection in automobile accidents and sudden stops, a child must be properly restrained, using a seat belt or child restraint system depending on the age and size of the child. Holding a child in your arms is not a substitute for a child restraint system. In an accident, the child can be crushed against the windshield, or between you and the vehicle's interior.
- Toyota strongly urges the use of a proper child restraint system that conforms to the size of the child, installed on the rear seat. According to accident statistics, the child is safer when properly restrained in the rear seat than in the front seat.

WARNING

■ **Child restraint precautions**

- Vehicles without an airbag manual on-off switch: Never install a rear-facing child restraint system on the front passenger seat.
  In the event of an accident, the force of the rapid inflation of the front passenger airbag can cause death or serious injury to the child.

  Vehicles with an airbag manual on-off switch: Never install a rear-facing child restraint system on the front passenger seat when the airbag manual on-off switch is on. (→P. 56)
  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.
- A forward-facing child restraint system may be installed on the front passenger seat only when it is unavoidable. Always move the seat as far back as possible, because the front passenger airbag could inflate with considerable speed and force. Otherwise, the child may be killed or seriously injured.
- Do not allow the child to lean his/her head or any part of his/her body against the door or the area of the seat, front, side and rear pillars or roof side rail from which the SRS side airbags or SRS curtain shield airbags deploy even if the child is seated in the child restraint system. It is dangerous if the SRS side airbags and curtain shield airbags inflate, and the impact could cause death or serious injury to the child.
- Make sure you have complied with all installation instructions provided by the child restraint manufacturer and that the system is properly secured. If it is not secured properly, it may cause death or serious injury to the child in the event of a sudden stop, sudden swerve or accident.

■ **When children are in the vehicle**

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

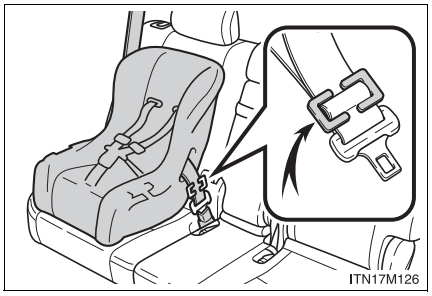
■ **When the child restraint system is not in use**

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

Installing child restraints

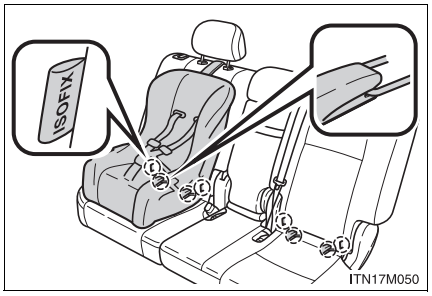
Follow the child restraint system manufacturer's instructions. Firmly secure child restraints to the seats using a seat belt or ISOFIX rigid anchors. Attach the top strap when installing a child restraint.

Seat belts (An ELR belt requires a locking clip)



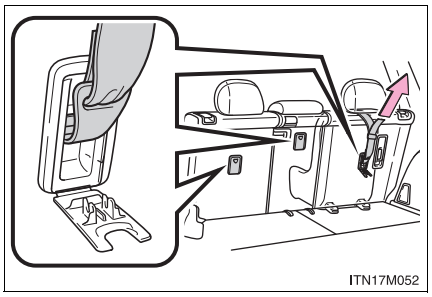
ISOFIX rigid anchors (ISOFIX child restraint system)

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



Anchor brackets (for the top strap)

An anchor bracket is provided for each second seat.



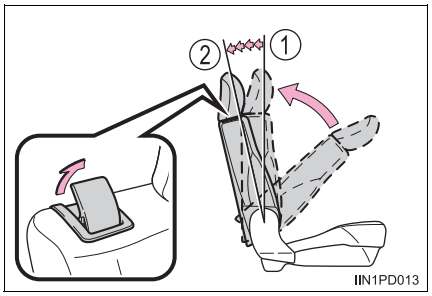
Installing child restraints using a seat belt

■ Rear-facing — Baby seat/child seat

1 Adjust the seats as follows:

▶ 3-door models

Fold the seatback forward and then back to the 1st lock position (most upright position) until it locks into place. Adjust the seatback to the 5th lock position. (→P. 196)

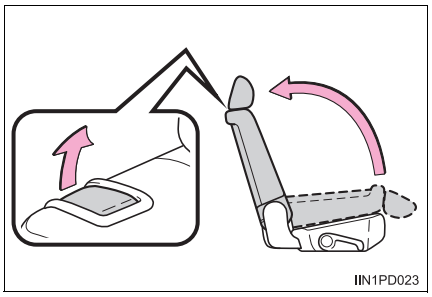


① 1st lock position

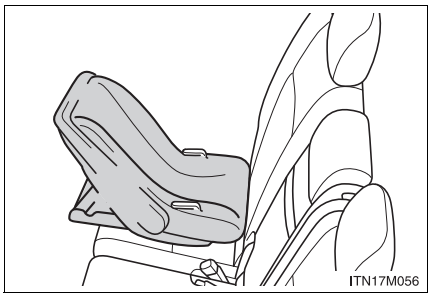
② 5th lock position

▶ 5-door models

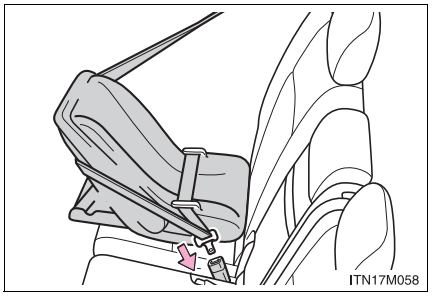
Fold the seatback forward. Then return the seatback and secure it at the first lock position (most upright position). (→P. 196)



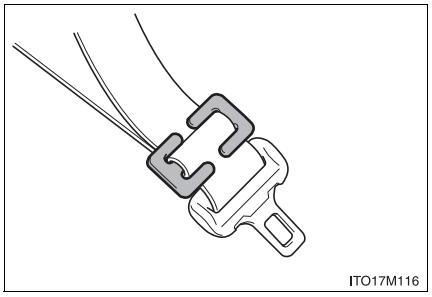
2 Place the child restraint system on the second seat facing the rear of the vehicle.



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



4 Install a locking clip near the tab of the lap and shoulder belt by inserting the lap and shoulder webbing through the recesses of the locking clip. Buckle the belt again. If the belt has any slack, release the buckle and reinstall the locking clip.

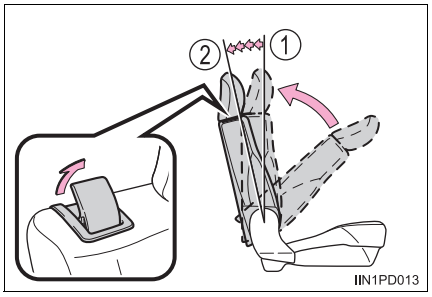


■ Forward-facing — Child seat

1 Adjust the seats as follows:

▶ 3-door models

Fold the seatback forward and then back to the 1st lock position (most upright position) until it locks into place. Adjust the seatback to the 5th lock position. (→P. 196)

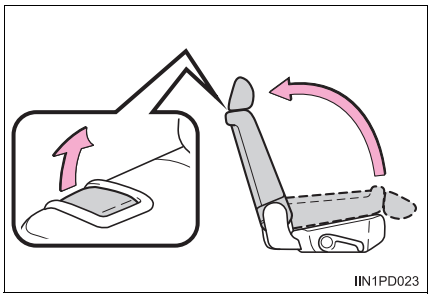


① 1st lock position

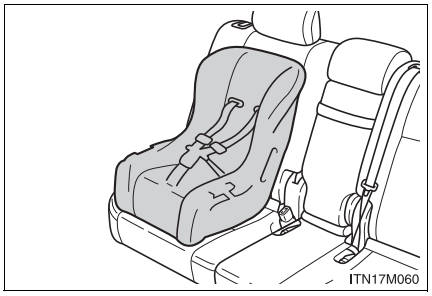
② 5th lock position

▶ 5-door models

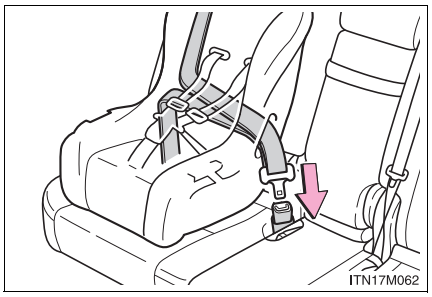
Fold the seatback forward. Then return the seatback and secure it at the first lock position (most upright position). (→P. 196)



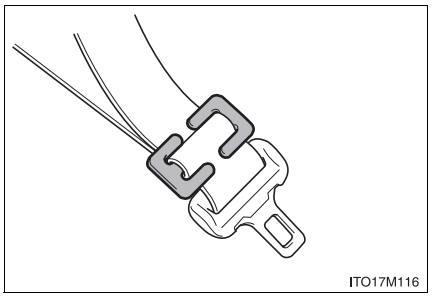
2 Place the child restraint system on the seat facing the front of the vehicle.



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



4 Install a locking clip near the tab of the lap and shoulder belt by inserting the lap and shoulder webbing through the recesses of the locking clip. Buckle the belt again. If the belt has any slack, release the buckle and reinstall the locking clip.

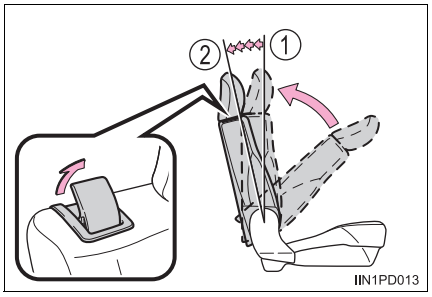


■ Junior seat

1 Adjust the seats as follows:

▶ 3-door models

Fold the seatback forward and then back to the 1st lock position (most upright position) until it locks into place. Adjust the seatback to the 5th lock position. (→P. 196)

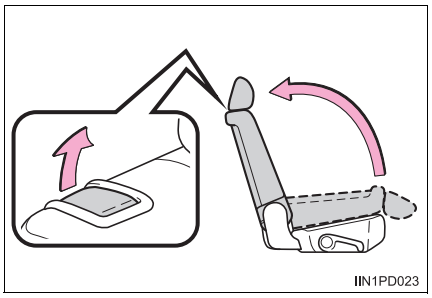


① 1st lock position

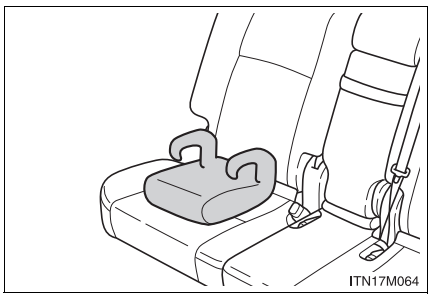
② 5th lock position

▶ 5-door models

Fold the seatback forward. Then return the seatback and secure it at the first lock position (most upright position). (→P. 196)



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



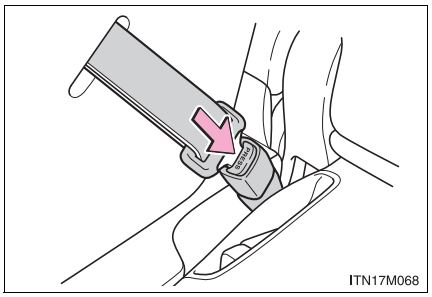
3 Sit the child in the child restraint system. Fit the seat belt to the child restraint system according to the manufacturer's instructions and insert the plate into the buckle. Make sure that the belt is not twisted.



Check that the shoulder belt is correctly positioned over the child's shoulder, and that the lap belt is as low as possible.
(→P. 36)

Removing a child restraint installed with a seat belt

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

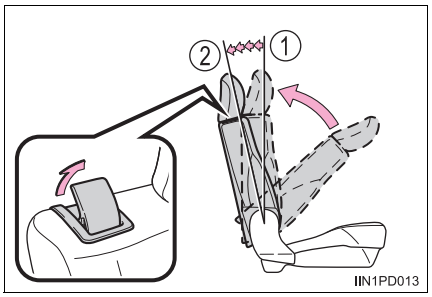


Installation with ISOFIX rigid anchors (ISOFIX child restraint system)

1 Adjust the seats as follows:

▶ 3-door models

Fold the seatback forward and then back to the 1st lock position (most upright position) until it locks into place. Adjust the seatback to the 5th lock position. (→P. 196)

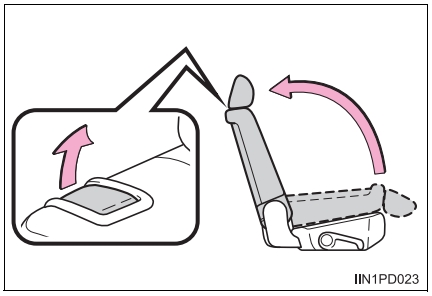


① 1st lock position

② 5th lock position

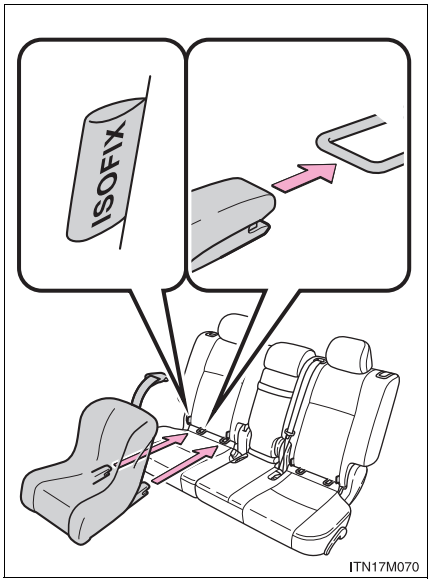
▶ 5-door models

Fold the seatback forward. Then return the seatback and secure it at the first lock position (most upright position). (→P. 196)



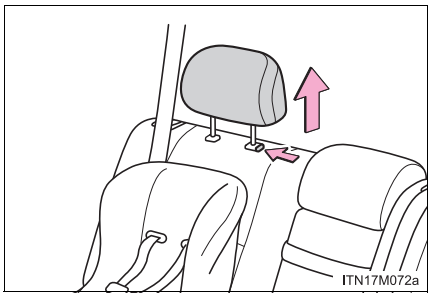
2 Flip the cover (3-door models and 5-door models with third power/manual seats), and latch the buckles onto the exclusive fixing bars.

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



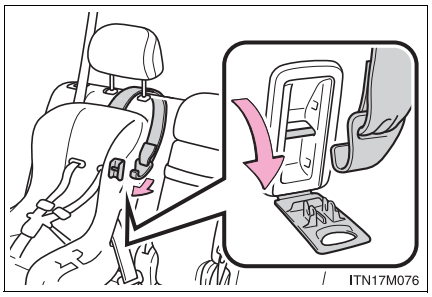
Child restraint systems with a top strap

1 Secure the child restraint system using a seat belt or ISOFIX rigid anchors, and move the head restraint in place at the upmost position.



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

Make sure the top strap is securely latched.



■ **When installing a child restraint system (→P. 72)**

You need a locking clip to install the child restraint system. Follow the instructions provided by the manufacturer of the system. If your child restraint system does not provide a locking clip, you can purchase the following item from any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer:

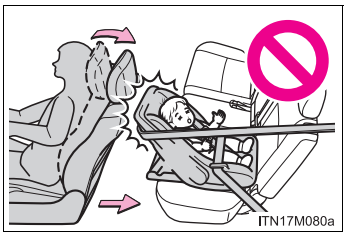
Locking clip for child restraint system
(Part No. 73119-22010)

WARNING

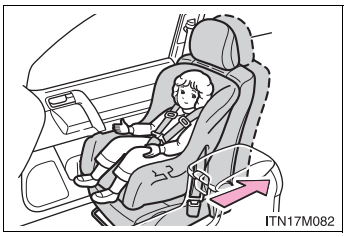
■ **When installing a child restraint system**

Follow the directions given in the child restraint system installation manual and fix the child restraint system securely in place.
If the child restraint system is not correctly fixed in place, the child or other passengers may be seriously injured or even killed in the event of sudden braking, sudden swerving or an accident.

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



- Adjust the front passenger seat so that it does not interfere with the child restraint system.
- Child restraint system installed on the third seat should not contact the second seatbacks.
- Only put a forward facing child restraint system on the front seat when unavoidable.
  When installing a forward-facing child restraint system on the front passenger seat, move the seat as far back as possible. Failure to do so may result in death or serious injury if the airbags deploy (inflate).

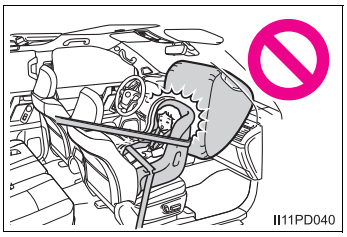


WARNING

When installing a child restraint system

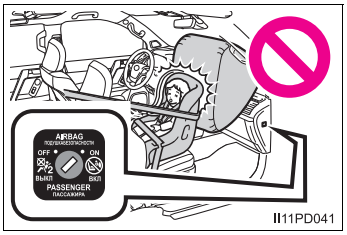
- Vehicles without an airbag manual on-off switch: Never install a rear-facing child restraint system on the front passenger seat.

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

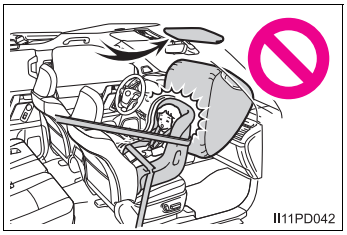


- Vehicles with an airbag manual on-off switch: Never use a rear-facing child restraint system on the front passenger seat when the airbag manual on-off switch is on. (→P. 56)

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



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

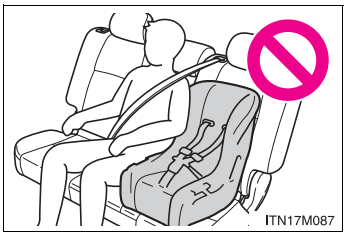




WARNING

■ **When installing a child restraint system**

- If child restraint system regulations exist in the country where you reside, please contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer for the child restraint system installation.
- When installing a child restraint system on the second center seat, adjust both seat cushions to the same position (vehicles with third manual/power seats) and align both seatbacks at the same angle. The seatbacks must be adjusted to the same angle. Otherwise, the child restraint system cannot be securely restrained and this may cause death or serious injuries in the event of sudden braking, sudden swerving or an accident.
- When a junior seat is installed, always ensure that the shoulder belt is positioned across the center of the child's shoulder. The belt should be kept away from the child's neck, but not so that it could fall off the child's shoulder. Failing to do so may result in death or serious injury in the event of sudden braking, sudden swerving or an accident.
- Ensure that the belt and plate are securely locked and the seat belt is not twisted.
- Shake the child restraint system left and right, and forward and backward to ensure that it has been securely installed.
- After securing a child restraint system, never adjust the seat.
- Follow all installation instructions provided by the child restraint system manufacturer.
- When using the left-hand second seat (left-hand drive vehicles) or right-hand second seat (right-hand drive vehicles) for the child restraint system, do not sit in the center second seat.
  Seat belt function may be impaired, such as being positioned overly high or loose-fitting, which may result in death or serious injury in the event of sudden braking, sudden swerving or an accident.



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

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

Exhaust gas precautions

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

⚠ WARNING

Exhaust gases include harmful carbon monoxide (CO), which is colorless and odorless. Observe the following precautions.
Failure to do so may cause exhaust gases enter the vehicle and may lead to an accident caused by light-headedness, or may lead to death or a serious health hazard.

■ **Important points while driving**

- Keep the back door closed.
- If you smell exhaust gases in the vehicle even when the back door is closed, open the windows and have the vehicle inspected at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer as soon as possible.

■ **When parking**

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

■ **Exhaust pipe**

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

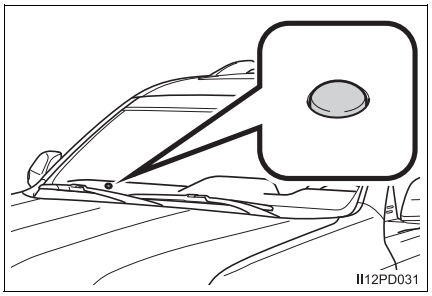
Engine immobilizer system

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

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

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

▶ Vehicles without a smart entry & start system



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

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

▶ Vehicles with a smart entry & start system

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

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

■ **System maintenance**

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

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

- If the grip portion of 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

■ **Certification for the engine immobilizer system (vehicles with a smart entry & start system)**

Hereby, TOYOTA MOTOR CORPORATION declares that the radio equipment type TMIMB-3 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: http://my.toyota.eu Frequency band: 119 - 135 kHz Maximum radio-frequency power: 55dBμA/m @10m
TOYOTA MOTOR CORPORATION vakuuttaa, että radiolaitetyyppi TMIMB-3 on direktiivin 2014/53/EU mukainen. EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: http://my.toyota.eu Radiotaajuus: 119 - 135 kHz suurin mahdollinen lähetysteho: 55dBμA/m @10m
Hierbij verklaar ik, TOYOTA MOTOR CORPORATION, dat het type radioapparatuur TMIMB-3 conform is met Richtlijn 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: http://my.toyota.eu Frequentieband: 119 - 135 kHz Maximaal radiofrequentievermogen: 55dBμA/m @10m

Le soussigné, TOYOTA MOTOR CORPORATION, déclare que l'équipement radioélectrique du type TMIMB-3 est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: http://my.toyota.eu Bande de fréquences: 119 - 135 kHz Puissance de radiofréquence maximale: 55dBμA/m @10m
Härmed försäkrar TOYOTA MOTOR CORPORATION att denna typ av radioutrustning TMIMB-3 överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: http://my.toyota.eu Frekvensband: 119 - 135 kHz Maximal radiofrekvenseffekt: 55dBμA/m @10m
Hermed erklærer TOYOTA MOTOR CORPORATION, at radioudstyrstypen TMIMB-3 er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: http://my.toyota.eu Frekvensbånd: 119 - 135 kHz Maksimal radiofrekvenseffekt: 55dBμA/m @10m

Hiermit erklärt TOYOTA MOTOR CORPORATION, dass der Funkanlagentyp TMIMB-3 der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: http://my.toyota.eu Frequenzband: 119 - 135 kHz Abgestrahlte maximale Sendeleistung: 55dBμA/m @10m
Με την παρούσα ο/η TOYOTA MOTOR CORPORATION, δηλώνει ότι ο ραδιοεξοπλισμός TMIMB-3 πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: http://my.toyota.eu Ζώνη συχνοτήτων: 119 - 135 kHz Μέγιστη ισχύς ραδιοσυχνότητας: 55dBμA/m @10m
Il fabbricante, TOYOTA MOTOR CORPORATION, dichiara che il tipo di apparecchiatura radio TMIMB-3 è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: http://my.toyota.eu Banda di frequenza: 119 - 135 kHz Potenza massima radiofrequenza: 55dBμA/m @10m

Por la presente, TOYOTA MOTOR CORPORATION declara que el tipo de equipo radioeléctrico TMIMB-3 es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: http://my.toyota.eu Banda de frecuencia: 119 - 135 kHz Potencia máxima de radiofrecuencia: 55dBμA/m @10m
O(a) abaixo assinado(a) TOYOTA MOTOR CORPORATION declara que o presente tipo de equipamento de rádio TMIMB-3 está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: http://my.toyota.eu Banda de frequência: 119 - 135 kHz Potência máxima de radiofrequências: 55dBμA/m @10m
B'dan, TOYOTA MOTOR CORPORATION, niddikjara li dan it-tip ta' tagħmir tar-radju TMIMB-3 huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: http://my.toyota.eu Tíðnisvið: 119 - 135 kHz Hámarks útvarpsbylgjutíðni: 55dBμA/m @10m

Käesolevaga deklareerib TOYOTA MOTOR CORPORATION, et käesolev raadioseadme tüüp TMIMB-3 vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: http://my.toyota.eu Sagedusriba: 119 - 135 kHz Maksimaalne saatevõimsus: 55dBµA/m @10m
TOYOTA MOTOR CORPORATION igazolja, hogy a TMIMB-3 típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: http://my.toyota.eu Frekvenciasáv: 119 - 135 kHz Maximális jelerősség: 55dBµA/m @10m
TOYOTA MOTOR CORPORATION týmto vyhlasuje, že rádiové zariadenie typu TMIMB-3 je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: http://my.toyota.eu Frekvenčné pásmo: 119 - 135 kHz Maximálny rádiofrekvenčný výkon: 55dBµA/m @10m

Tímto TOYOTA MOTOR CORPORATION prohlašuje, že typ rádiového zařízení TMIMB-3 je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: http://my.toyota.eu Kmitočtové pásmo: 119 - 135 kHz Maximální radiofrekvenční výkon: 55dBμA/m @10m
TOYOTA MOTOR CORPORATION potrjuje, da je tip radijske opreme TMIMB-3 skladen z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: http://my.toyota.eu Frekvenčni pas: 119 - 135 kHz Največja moč radijske frekvence: 55dBμA/m @10m
Aš, TOYOTA MOTOR CORPORATION, patvirtinu, kad radijo įrenginių tipas TMIMB-3 atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: http://my.toyota.eu Dažnių juosta: 119 - 135 kHz Didžiausia radijo dažnių galia: 55dBμA/m @10m

Ar šo TOYOTA MOTOR CORPORATION deklarē, ka radioiekārta TMIMB-3 atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: http://my.toyota.eu Frekvenču josla: 119 - 135 kHz Maksimālā radiofrekvenču jauda: 55dBμA/m @10m
TOYOTA MOTOR CORPORATION niniejszym oświadcza, że typ urządzenia radiowego TMIMB-3 jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: http://my.toyota.eu Zakres częstotliwości: 119 - 135 kHz Maksymalna moc częstotliwości radiowej: 55dBμA/m @10m
TOYOTA MOTOR CORPORATION lýsir því hér með yfir að fjarskiptatækið af gerð TMIMB-3 er í samræmi við tilskipun 2014/53/EU. Öll ESB-samræmisyfirlýsingin er tiltæk á eftirfarandi vefslóð: http://my.toyota.eu Tíðnisvið: 119 - 135 kHz Hámarks útvarpsbylgjutíðni: 55dBμA/m @10m

TOYOTA MOTOR CORPORATION erklærer herved at radioutstyrtypen TMIMB-3 er i samsvar med direktivet 2014/53/EU. Hele teksten av EU-samsvarserklæringen kan leses på det følgende nettstedet: http://my.toyota.eu Frekvensbånd: 119 - 135 kHz Maksimal radiofrekvenseffekt: 55dBμA/m @10m
С настоящото TOYOTA MOTOR CORPORATION декларира, че този тип радиосъоръжение TMIMB-3 е в съответствие с Директива 2014/53/ЕС. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: http://my.toyota.eu Радиочестотна лента: 119 - 135 kHz Максимална радиочестотна мощност: 55dBμA/m @10m
Prin prezenta, TOYOTA MOTOR CORPORATION declară că tipul de echipamente radio TMIMB-3 este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: http://my.toyota.eu Banda de frecvență: 119 - 135 kHz Puterea maximă de radiofrecvență: 55dBμA/m @10m

Ovime TOYOTA MOTOR CORPORATION potvrđuje da je radio-oprema tipa TMIMB-3 u skladu sa Direktivom 2014/53/EU. Potpuni tekst EU deklaracije o usaglašenosti dostupan je na slijedećoj internet adresi: http://my.toyota.eu Frekvencijski opseg: 119 - 135 kHz Maksimalna radio-frekvencijska snaga: 55dBμA/m @10m
Me anë të këtij dokumenti, TOYOTA MOTOR CORPORATION deklaron se tipi i radiopajisjes TMIMB-3 është në përputhje me Direktivën 2014/53/EU. Teksti i plotë i deklaratës së konformitetit të Bashkimit Evropian është i disponueshëm në adresën e mëposhtme të internetit: http://my.toyota.eu Brezi i frekuencës: 119 - 135 kHz Fuqia maksimale e radiofrekuencës: 55dBμA/m @10m
TOYOTA MOTOR CORPORATION ovime izjavljuje da je radijska oprema tipa TMIMB-3 u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: http://my.toyota.eu Frekvencijski pojas: 119 - 135 kHz Maksimalna RF snaga: 55dBμA/m @10m

Ovim TOYOTA MOTOR CORPORATION potvrđuje da je radio-oprema tipa TMIMB-3 u skladu sa Direktivom 2014/53/EU. Potpuni tekst EU deklaracije o usaglašenosti dostupan je na sledećoj internet adresi: http://my.toyota.eu Frekventni opseg: 119 - 135 kHz Maksimalna radio-frekventna snaga: 55dBµA/m @10m
TOYOTA MOTOR CORPORATION, işbu belgeyle telsiz cihazı türünün TMIMB-3 2014/53/EU nolu Direktif ile uyumlu olduğunu beyan etmektedir. AB uygunluk beyanının tam metnine aşağıdaki internet adresinden ulaşabilirsiniz: http://my.toyota.eu Frekans bandı: 119 - 135 kHz Maksimum radyo frekans gücü: 55dBµA/m @10m

TOYOTA

TOYOTA MOTOR CORPORATION

1, TOYOTA-CHO, TOYOTA, AICHI, 471-8571, JAPAN TEL: +81-565-28-2121

EU Declaration of Conformity

CE

1. Radio equipment (Product / Type):

   Immobilizer / TMIMB-3

2. Name and address of the manufacturer:

   TOYOTA MOTOR CORPORATION
   1, Toyota -cho, Toyota, Aichi, 471-8572, Japan

3. This declaration of conformity is issued under the sole responsibility of the manufacturer.

4. Object of the declaration:

   TMIMB-3

5. The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

   Directive 2014/53/EU

6. References to the relevant harmonised standards used or references to the other technical specifications in relation to which conformity is declared:

(Health & safety requirements)	EN 60950-1:2006 / A11:2009
(EMC requirements)	EN 301 489-1 V1.8.1 & EN 301 489-3 V1.4.1
(Effective uses of radio spectrum)	EN 300 330 V2.1.1

7. The notified body:

   Not Applicable

8. Accessories and components, including software, which allow the radio equipment to operate as intended and covered by the EU declaration of conformity:

   Not Applicable

9. Additional information:

   None

Place and date of issue: Japan, April 5, 2017

Signature: Tomoo Kakegawa

Tomoo Kakegawa

Function: General Manager

NOTICE

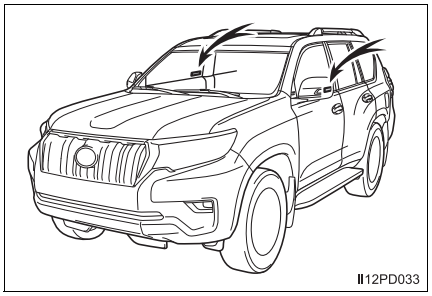
■ **To ensure the system operates correctly**

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

Double locking system*

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

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



Setting the double locking system

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

Using the entry function (vehicles with a smart entry & start system):
Touch the sensor area on the front outside door handles twice within 5 seconds.

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

Canceling the double locking system

Using the entry function (vehicles with a smart entry & start system):
Hold the outside door handle on the driver's side.
Using the wireless remote control: Press .

WARNING

■ Double locking system precaution

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

*: If equipped

Alarm*

The alarm

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

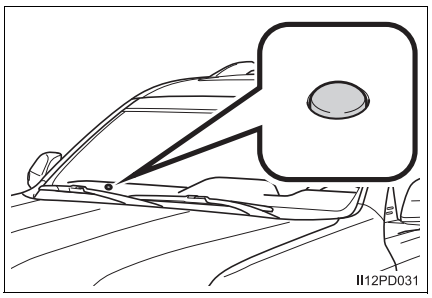
The alarm is triggered in the following situations when the alarm is set:

- A locked door or glass hatch (if equipped) is unlocked or opened in any way other than using the entry function or the wireless remote control. (The doors will lock again automatically.)
- The hood is opened.
- The intrusion sensor detects something moving inside the vehicle. (An intruder gets in the vehicle.) (if equipped)
- The tilt sensor detects a change of vehicle inclination. (if equipped)
- The quarter windows (5-door models) or back door window are broken. (if equipped)

Setting the alarm system

Close the doors, glass hatch (if equipped) and hood, and lock all the doors using the entry function or wireless remote control. The system will be set automatically after 30 seconds.

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



*: If equipped

Deactivating or stopping the alarm

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

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

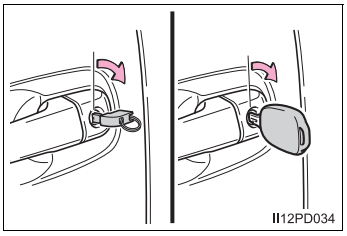
To prevent unexpected triggering of the alarm and vehicle theft, make sure of the following.

- Nobody is in the vehicle.
- The windows and moon roof (if equipped) 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 alarm system.)

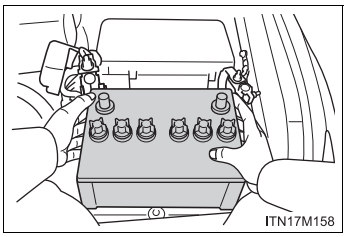
- The doors are unlocked using the mechanical key.



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



● The battery is recharged or replaced when the vehicle is locked. (→P. 762)



■ **Alarm-operated door lock**

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

● When a person remaining in the vehicle unlocks the door and the alarm is activated.

● While the alarm is activated, a person remaining in the vehicle unlocks the door.

● When recharging or replacing the battery.

■ **Customization**

The alarm can be set to deactivate when the mechanical key is used to unlock.
(Customizable features: →P. 809)

NOTICE

■ **To ensure the system operates correctly**

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

Intrusion sensor and tilt sensor (if equipped)

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

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

Setting the intrusion sensor and tilt sensor

The intrusion sensor and tilt sensor will be set automatically when the alarm is set. (→P. 99)

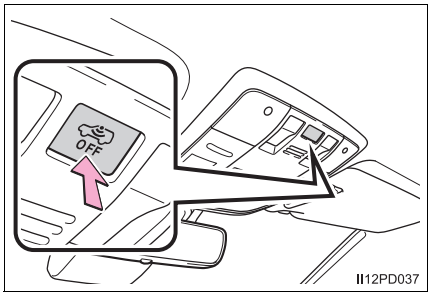
Canceling the intrusion sensor and tilt sensor

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

1 Turn the engine switch off.

2 Press the intrusion sensor and tilt sensor cancel switch.

When the system is canceled, the indicator flashes rapidly.



■ **Canceling and automatic re-enabling of the intrusion sensor and tilt sensor (if equipped)**

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

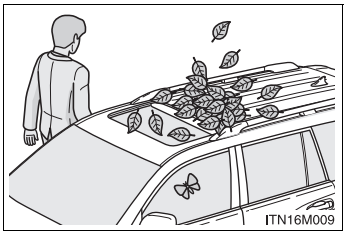
■ **Intrusion sensor detection considerations (if equipped)**

The sensor may trigger the alarm in the following situations:

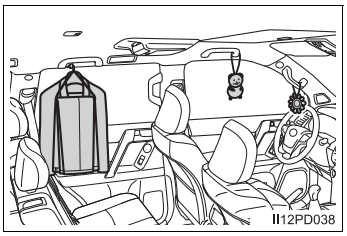
- People or pets are in the vehicle.



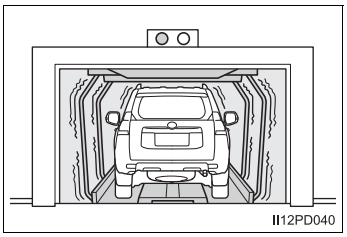
- A window or the moon roof (if equipped) is open.
  In this case, the sensor may detect the following:
  - Wind or the movement of objects such as leaves and insects inside the vehicle
  - Ultrasonic waves emitted from devices such as the intrusion sensors of other vehicles
  - The movement of people outside the vehicle



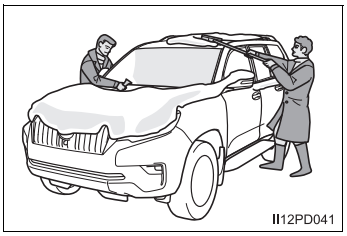
- Unstable items, such as dangling accessories or clothes hanging on the coat hooks, are in the vehicle.



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



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



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

■ **Tilt sensor detection considerations (if equipped)**

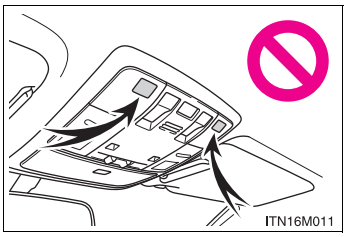
The sensor may trigger the alarm in the following situations:

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

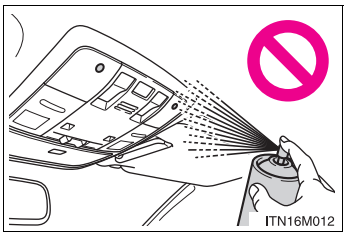
NOTICE

■ To ensure the intrusion sensor functions correctly (if equipped)

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



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



- Installing accessories other than genuine Toyota parts or leaving objects between the driver's seat and front passenger's seat may reduce the detection performance.
- The system responds to movement inside the vehicle, so it may respond to small insects such as moths or flies
- When the electronic key is near the vehicle, the intrusion sensor may stop operating.

Instrument cluster 2

2. Instrument cluster

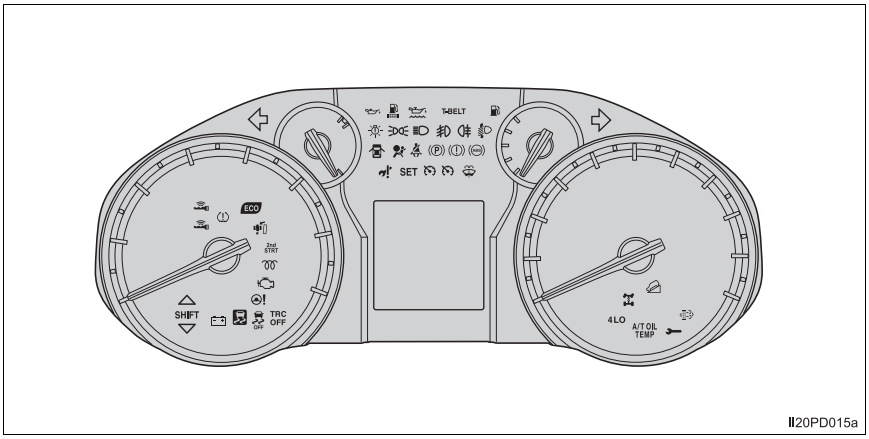
Warning lights and indicators 108
Gauges and meters 116
Multi-information display (Type A).....120
Multi-information display (Type B).....124
Fuel consumption information.....135

Warning lights and indicators

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

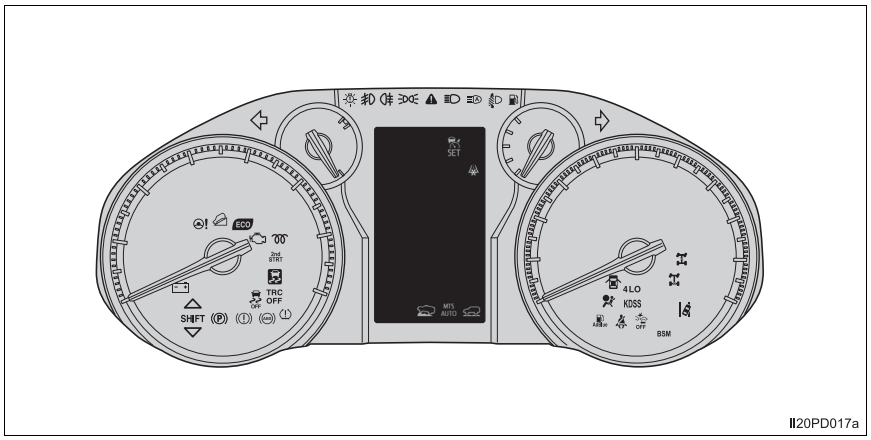
For the purpose of explanation, the following illustrations display all warning lights and indicators illuminated.

▶ Vehicles with the multi-information display type A



II20PD015a

▶ Vehicles with the multi-information display type B



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

Warning lights

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

*1

(if equipped)
Master warning light (→P. 699)

*1

Brake system warning light (→P. 695)

*1

Charging system warning light (→P. 695)

*1

Malfunction indicator lamp (→P. 695)

*1, 4

Low engine oil pressure warning light (→P. 695)

*1

SRS warning light (→P. 696)

*1

ABS warning light (→P. 696)

*1

(if equipped)
Power steering system warning light (→P. 696)

*1

Slip indicator (→P. 697)


Open door warning light (→P. 698)


Driver's and front passenger's seat belt reminder light (→P. 699)


Low fuel level warning light (→P. 698)

*1

(if equipped)
Low engine oil level warning light (→P. 699)

*1, 2


(if equipped)
Automatic transmission fluid temperature warning light (→P. 697)

*1


(if equipped)
KDSS warning light (→P. 697)

*1


(if equipped)
Timing belt replacement warning light (→P. 697)

*1, 5


(if equipped)
PCS warning light (→P. 696)

*1, 3

(if equipped)
Toyota parking assist-sensor indicator (→P. 700)


*1
(if equipped)

LED headlight warning light (→P. 700)


*1
(if equipped)

Fuel system warning light (→P. 698)


*1
(if equipped)

Tire pressure warning light (→P. 699)


(if equipped)

Low windshield washer fluid warning light (→P. 700)


*1
(if equipped)

Automatic headlight leveling system warning light (→P. 700)


(yellow)
(if equipped)

Cruise control indicator (→P. 696)


(green)
(if equipped)

Smart entry & start system indicator (→P. 702)


(yellow)
(if equipped)

Smart entry & start system indicator (→P. 702)



(if equipped)

Low AdBlue™ level warning light (→P. 698)


*1
(if equipped)

DPF system warning light (→P. 700)



Parking brake indicator light (→P. 700)


*1, 4
(if equipped)

Brake Override System/ Drive-Start Control warning light (→P. 701)


(if equipped)

Go to service warning light (→P. 704)


(if equipped)

Engine oil maintenance indicator (→P. 704)

*1: These lights turn on when the engine switch is turned to the “ON” position (vehicles without a smart entry & start system) or IGNITION ON mode (vehicles with a smart entry & start system), to indicate that a system check is being performed. They will turn off after the engine is started, or after a few seconds. There may be a malfunction in a system if the lights do not come on, or turn off. Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

*2: The light flashes to indicate a malfunction.

*3: This light illuminates on the center panel.

*4: Vehicles with the multi-information display type B: This light illuminates on the multi-information display.

*5: The light flashes or illuminates to indicate a malfunction.

Indicators

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



Turn signal indicator (→P. 288)



Headlight high beam indicator (→P. 298)



(if equipped)

Automatic High Beam indicator (→P. 311)



Tail light indicator (→P. 296)



(if equipped)

Front fog light indicator (→P. 316)



Rear fog light indicator (→P. 316)

*1



(if equipped)

Eco Driving Indicator Light (→P. 123, 132)

*1



(if equipped)

Gear Shift Indicator (→P. 285)

*7

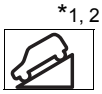


(green)

(if equipped)

Cruise control indicator (→P. 372, 387)

*1, 2



(if equipped)

Downhill assist control system indicator

*7



(if equipped)

Cruise control "SET" indicator (→P. 372, 387)

*7



(if equipped)

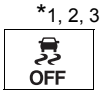
Dynamic radar cruise control indicator (→P. 372)

*1, 2



Slip indicator (→P. 443)

*1, 2, 3



VSC OFF indicator (→P. 444)

*1, 2, 3



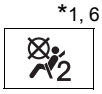
"TRC OFF" indicator (→P. 444)



(diesel engine)

Engine preheating indicator (→P. 268)

*1, 6



(if equipped)

AIR BAG OFF indicator (→P. 56)



(automatic transmission)

Automatic transmission second start indicator (→P. 279)

*2 

Low speed four-wheel drive indicator light

*2 
Center differential lock indicator

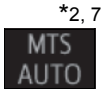
*2 
(if equipped)
Rear differential lock indicator

*1, 6 
(if equipped)
Toyota parking assist-sensor indicator (→P. 395)

*1, 3 

(if equipped)
PCS warning light (→P. 345)

*2, 7 
(if equipped)
Crawl Control indicator

*2, 7 

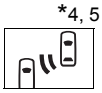
(if equipped)
MTS AUTO indicator

*7 

(if equipped)
Sport mode indicator (→P. 391)

*7 

(if equipped)
SPORT S+ mode indicator (→P. 391)

*4, 5 
(if equipped)
BSM (Blind Spot Monitor) outside rear view mirror indicators (→P. 448)



(if equipped)
“BSM” (Blind Spot Monitor) indicator (→P. 448)


(if equipped)
LDA indicator (→P. 358)

*7 
(if equipped)
Smart entry & start system indicator (→P. 268)

*2, 7 
(if equipped)
Multi-terrain Select indicator

*7 

(if equipped)
Eco drive mode indicator (→P. 391)

*7 

(if equipped)
SPORT S mode indicator (→P. 391)

*7 

(if equipped)
Comfort mode indicator (→P. 391)

*7 
(if equipped)
Ice warning indicator (→P. 122)

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

*2: Refer to the “Off-road Driving Owner’s Manual”

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

*4: In order to confirm operation, the BSM outside rear view mirror indicators illuminate in the following situations:

- When the engine switch is turned to the “ON” position (vehicles without a smart entry & start system) or IGNITION ON mode (vehicles with a smart entry & start system) while the system is set to ON.
- When the system is set to ON while the engine switch is in the “ON” position (vehicles without a smart entry & start system) or IGNITION ON mode (vehicles with a smart entry & start system).

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

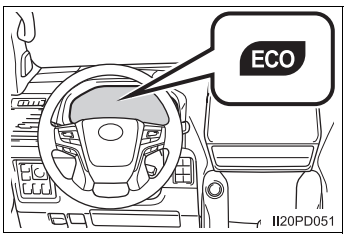
*5: This light illuminates on the outside rear view mirrors.

*6: This light illuminates on the center panel.

*7: Vehicles with the multi-information display type B: This light illuminates on the multi-information display.

■ **Eco Driving Indicator Light (vehicles with an automatic transmission)**

During Eco-Friendly acceleration operation (Eco driving), Eco Driving Indicator Light will turn on. When the acceleration exceeds Zone of Eco driving (→P. 123, 132), or when the vehicle is stopped, the light turns off.
Eco Driving Indicator Light will not operate in the following conditions:



- The shift lever is in any position other than D.
- The vehicle is set to second start mode. (→P. 279)
- Vehicles with drive mode select switch: the vehicle is set to sport mode. (→P. 391)
- The vehicle speed is approximately 130 km/h (81 mph) or higher.
- Vehicles with Crawl Control: the Crawl Control is operating.*

*: Refer to the “Off-road Driving Owner’s Manual”.

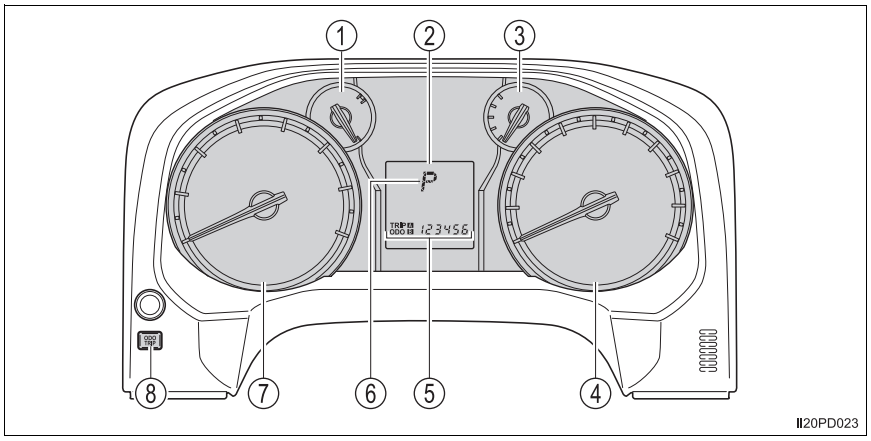
⚠ WARNING

■ **If a safety system warning light does not turn on**

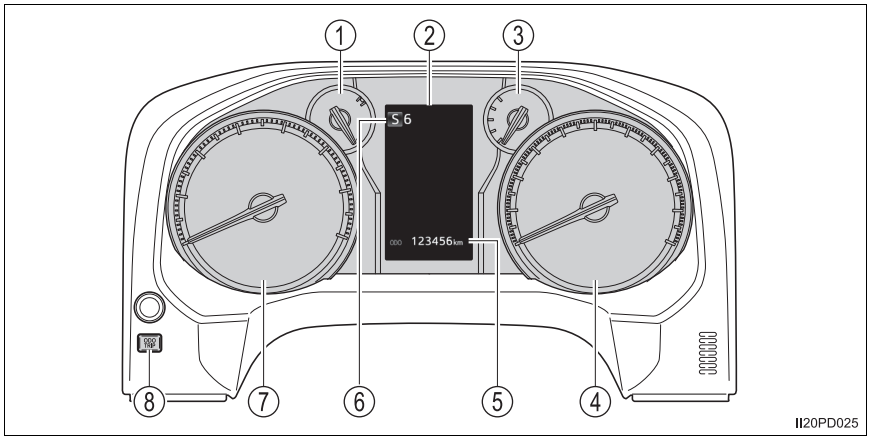
Should a safety system light such as ABS/Multi Terrain ABS and the SRS warning light not turn on when you start the engine, this could mean that these systems are not available to help protect you in an accident, which could result in death or serious injury. Have the vehicle inspected by any authorized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

Gauges and meters

▶ Vehicles with the multi-information display type A



▶ Vehicles with the multi-information display type B



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

① Engine coolant temperature gauge

Displays the engine coolant temperature

② Multi-information display

Presents the driver with a variety of driving-related data
(→P. 120, 124)

③ Fuel gauge

Displays the quantity of fuel remaining in the tank

④ Speedometer

Displays the vehicle speed

⑤ Odometer and trip meter display

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 Shift position and shift range*

Displays the selected shift position or selected shift range
(→P. 278)

⑦ Tachometer

Displays the engine speed in revolutions per minute

⑧ Odometer/trip meter display change button

→P. 118, 121

*: Vehicles with an automatic transmission only.

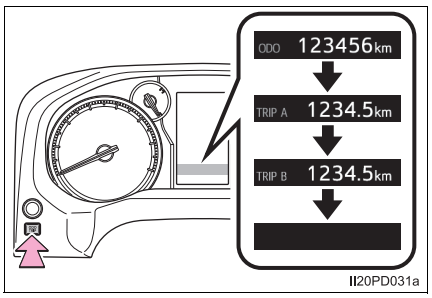
Changing the display

▶ Vehicles with the multi-information display type A

→P. 120

▶ Vehicles with the multi-information display type B

Switches between odometer and trip meter displays. When the trip meter is displayed, pressing and holding the button will reset the trip meter.



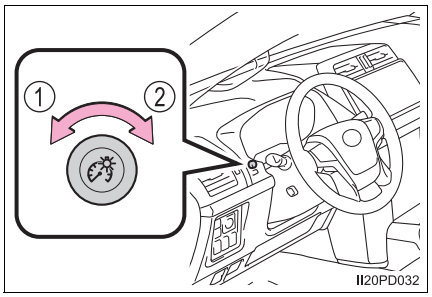
II20PD031a

Instrument cluster light control

The brightness of the instrument cluster lights can be adjusted by turning the dial.

① Darker

② Brighter



II20PD032

■ **The meters and display illuminate when**

▶ Vehicles without a smart entry & start system

The engine switch is in the “ON” position.

▶ Vehicles with a smart entry & start system

The engine switch is in IGNITION ON mode.

■ **The brightness of the instrument cluster lights**

▶ Vehicles with the multi-information display type A

When the headlight switch is turned to on, the brightness will be reduced slightly.

▶ Vehicles with the multi-information display type B

When the headlight switch is turned to on, the brightness will be reduced slightly unless the control dial is turned fully clockwise.

⚠ NOTICE

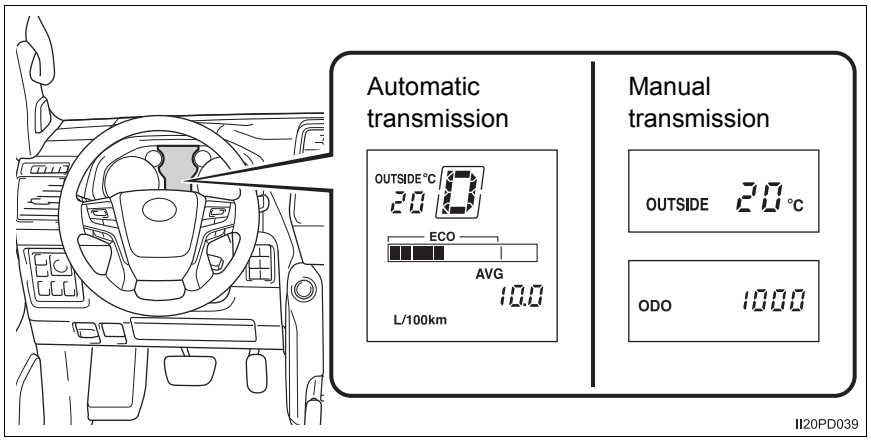
■ **To prevent damage to the engine and its components**

- Do not let the indicator needle of the tachometer enter the red zone, which indicates the maximum engine speed.
- The engine may be overheating if the engine coolant temperature gauge is in the red zone (H). In this case, immediately stop the vehicle in a safe place, and check the engine after it has cooled completely. (→P. 764)

Multi-information display (Type A)*

Display contents

The multi-information display presents the driver with a variety of driving-related data including the current outside air temperature.

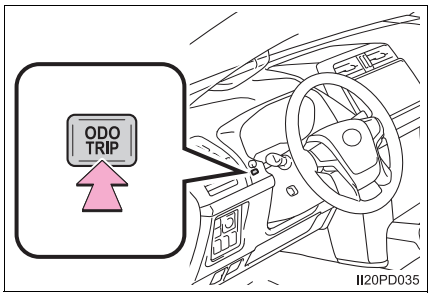


- Outside temperature display (→P. 122)
- Trip information contents (→P. 121)
- Shift position and shift range (if equipped) (→P. 278)
- Eco Driving Indicator Zone Display (if equipped) (→P. 123)

*: If equipped

Switching the display

Items displayed can be switched by pressing the “ODO/TRIP” button.



Trip information contents

■ Odometer

Displays the total distance the vehicle has been driven.

■ Trip meters A and B

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

Press the hold the button to reset.

■ Driving range

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

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

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

■ Current fuel consumption

Displays the current rate of fuel consumption

■ Eco Driving Indicator Zone Display*

→P. 123

■ **Average fuel consumption**

Displays the average fuel consumption since the function was reset

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

■ **Average vehicle speed**

Displays the average vehicle speed since the engine was started or the function was reset

The function can be reset by pressing the “ODO/TRIP” button for longer than 1 second when the average vehicle speed is displayed.

■ **Outside temperature display**

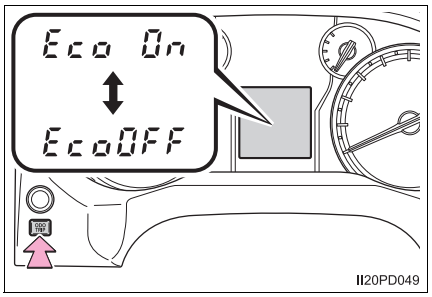
Displays the outside temperature

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

When the outside temperature drops below 3 °C (37 °F), the numerical value flashes 10 times.

■ **Eco Driving Indicator Light setting screen***

Eco Driving Indicator Light can be set to on or off.



1 While the odometer is being displayed, press and hold the “ODO/TRIP” button for more than 5 seconds to display the Eco Driving Indicator Light customization screen.

2 Press the “ODO/TRIP” button to set Eco Driving Indicator Light to on or off.

3 Press and hold the “ODO/TRIP” button for more than 2 seconds to complete the setting.

*: Displayed on vehicles with an automatic transmission only

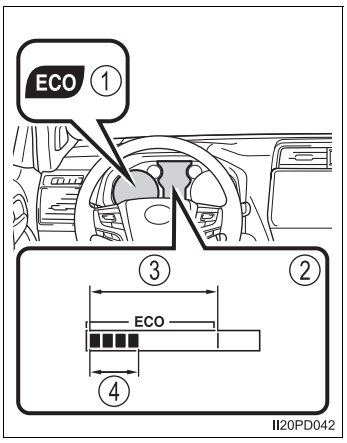
Eco Driving Indicator (vehicles with an automatic transmission)

① Eco Driving Indicator Light
During Eco-friendly acceleration (Eco driving), Eco Driving Indicator Light will turn on.

② Eco Driving Indicator Zone Display
Suggests Zone of Eco driving with current Eco driving ratio based on acceleration.

③ Zone of Eco driving

④ Eco driving ratio based on acceleration
If the vehicle exceeds Zone of Eco driving, the right side of Eco Driving Indicator Zone Display will blink and Eco Driving Indicator Light will turn off.



Outside temperature display

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

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

WARNING

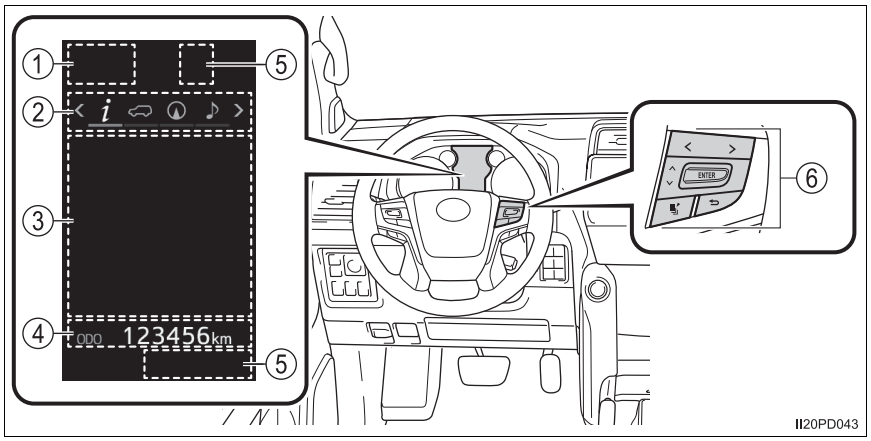
The multi-information display at low temperatures (vehicles with an automatic transmission)

Allow the interior of the vehicle to warm up before using the multi-information display. At extremely low temperatures, the multi-information display monitor may respond slowly, and display changes may be delayed.
For example, there is a lag between the driver's shifting and the new gear number appearing on the display. This lag could cause the driver to downshift again, causing rapid and excessive engine braking and possibly an accident resulting in death or serious injury.

Multi-information display (Type B)*

Summary of functions

The multi-information display presents the driver with a variety of driving related data, such as the current outside temperature. The multi-information display can also be used to change the display settings and other settings.



① Shift position and shift range (vehicles with an automatic transmission only:→P. 278)

② Menu icon display area

Displays the following items.
When a menu icon is not selected, the outside temperature is displayed.
- Menu icons (→P. 126)
- Outside temperature (→P. 122)

③ Content display area

A variety of information can be displayed by selecting a menu icon. Additionally, warning or pop-up display will be displayed in some situations.
- Menu icon content (→P. 126)
- Warning message (→P. 707)

④ Odometer and trip meter (→P. 117)

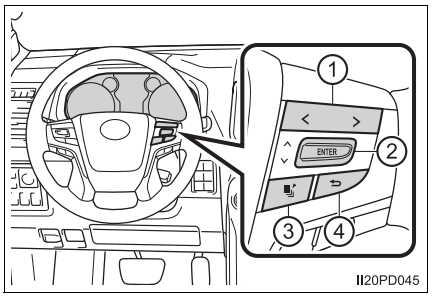
⑤ Indicators (→P. 108)

⑥ Meter control switches (→P. 125)

*: If equipped

Operating the meter control switches

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



① Switching displayed items

② Operate up and down:
Switches screens and moves the cursor

Press:
Enters, moves to next screen*, and turns functions on/off*

*: For some functions

③ Press: Displays the screen registered as the top screen

When no screen has been registered, the drive information screen will be displayed.

Press and hold: Registers the currently displayed screen as the top screen

When the confirmation screen is displayed, select yes to register the screen. If the selected screen cannot be registered, a registration failure message will be shown.

④ Return to the previous screen

Menu icons

 Drive information

Select to display various drive data. (→P. 127)

 Vehicle information display

Select to display the vehicle information. (→P. 129)

 Navigation system-linked display (if equipped)

Select to display the following navigation system-linked information.
- Route guidance
- Compass display (north-up display/heading-up display)

 Audio system-linked display (if equipped)

Select to enable selection of an audio source or track on the display using the meter control switches.

 Driving assist system information

Select to display the operational status of the following systems:
- Dynamic radar cruise control (→P. 372)
- LDA (Lane Departure Alert) (→P. 358)
- RSA (Road Sign Assist) (→P. 367)

 Warning message display

Select to display warning messages and measures to be taken if a malfunction is detected. (→P. 695)
- When there are no current warning messages, “No Messages” is displayed.
- When there are multiple warning messages,  can be used to switch the displayed warning message.

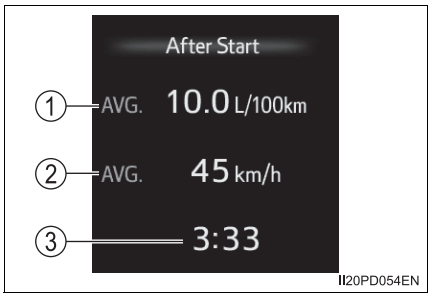
 Settings display

Select to change the meter display settings and the operation settings of some vehicle functions. (→P. 129)

Drive information

Items displayed can be switched by operating ENTER up and down.

■ After Start



① Average fuel economy*

Displays the average fuel consumption since the engine was started.

② Average vehicle speed

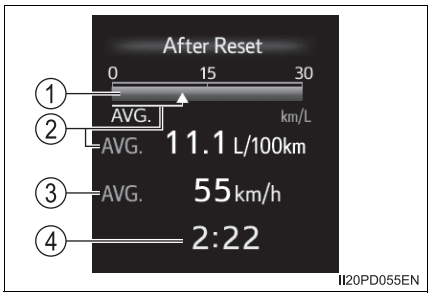
Displays the average vehicle speed since the engine was started.

③ Elapsed time

Displays the elapsed time since the engine was started.

*: Use the displayed average fuel economy as a reference.

■ After Reset



① Current fuel economy

Displays the current rate of fuel consumption.

② Average fuel economy*1,2

Displays the average fuel consumption since the function was reset.

③ Average speed*2

Displays the average vehicle speed since the function was reset.

④ Elapsed time*2

Displays the elapsed time since the function was reset.

*1: Use the displayed average fuel economy as a reference.

*2: Pressing and holding ENTER will reset.

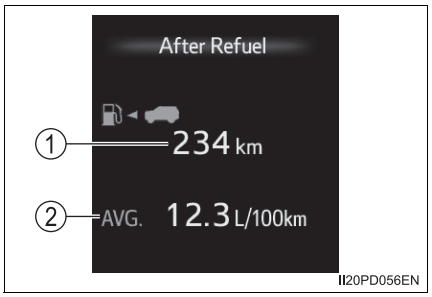
■ **After Refuel**

① Range*1,2

Displays the driving range with remaining fuel.

② Average fuel economy*2,3

Displays the average fuel consumption since the vehicle was refueled.



*1: This distance is computed based on your average fuel consumption. As a result, the actual distance that can be driven may differ from that displayed.

*2: When only a small amount of fuel is added to the tank, the display may not be updated. When refueling, turn the engine switch off. If the vehicle is refueled without turning the engine switch off, the display may not be updated.

*3: Use the displayed average fuel economy as a reference.

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

→P. 132

■ **Speed**

Displays the vehicle speed.

■ **Vehicle sway warning (if equipped)**

Detects the sway of the vehicle within a lane, which is often associated with a decrease in the driver's attention level, and displays the decrease in attention using a bar display.

The shorter the bar length, the more the driver may need to rest.

This display is a part of the LDA (Lane Departure Alert) system. The display is enabled when the operating conditions of the vehicle sway warning function are met. (→P. 358)

■ **Blank screen (display off)**

Drive information is not displayed.

Vehicle information

Items displayed can be switched by operating ENTER up and down.

■ **Steering angle**

Displays the direction of the front tires.

The tire direction is displayed in 3 stages for both left and right, in accordance with the angle of the tire.

If a battery terminal is disconnected and reconnected, the display may be disabled temporarily. After driving the vehicle for a while, the display will be enabled.

■ **Tire inflation pressure (vehicles with the tire pressure warning system)**

Displays inflation pressure of each tire.

The inflation pressure of the spare tire will be displayed.

■ **Clinometer**

→Refer to the “Off-road Driving Owner’s Manual”

■ **Traction monitor**

→Refer to the “Off-road Driving Owner’s Manual”

Settings display

The settings of some features can be changed by using the meter control switches.

■ **Setting procedure**

1 On the setting screen, choose the desired item using ENTER, and then press ENTER.

- For functions that can be enabled or disabled, the function switches between on and off each time ENTER is pressed.
- For functions that allow to select operation contents, display contents, etc., the setting screen is displayed.

2 Select the desired setting by operating ENTER, and then press ENTER.

To stop the selection, press ↩ to return to the previous screen.

■ **Setting items**

● LDA (Lane Departure Alert) (if equipped)

Select to set up LDA. (→P. 820)

- Alert sensitivity
- Sway warning
- Sway sensitivity

● PCS (Pre-crash safety system) (if equipped)

Select to set the following items. (→P. 349)

- PCS on/off
- PCS sensitivity

● BSM (Blind Spot Monitor) (if equipped)

Select activate/deactivate BSM. (→P. 820)

- BSM on/off

● RSA (Road Sign Assist) (if equipped)

Select to set up RSA. (→P. 820)

- RSA on/off
- Excess speed condition method
- Excess speed notification level
- Other notifications method

● Meter settings

Select to set the following items. (→P. 819)

- Language
  Select to change the language on the display.
- Units
  Select to change the unit for measure.
- Eco Driving Indicator Light (if equipped)
  Select to activate/deactivate the Eco Driving Indicator Light. (→P. 115)
- switch settings
  You can register 1 screen as the top screen. To register, press and hold while the desired screen is displayed.
- Pop-up display
  Select to set the pop-up displays (→P. 132), which may appear in some situations, on/off.

- Accent color (if equipped)
  Select to change the accent colors on the screen, such as the cursor color.
- Vehicle image
  Select to change the vehicle image displayed by the tire inflation pressure display (→P. 636) and clinometer*. When turned on, the vehicle image displays the spare tire mounted on the back door.
  Use this item according to the actual installation position of the spare tire.
- Initialization
  Select to reset the meter display settings.

*: Refer to the “Off-road Driving Owner’s Manual”.

Other contents

■ **AVS mode* (if equipped)**

→Refer to the “Off-road Driving Owner’s Manual”

■ **Driving mode* (if equipped) (→P. 391)**

■ **Rear height control air suspension display (if equipped)**

→Refer to the “Off-road Driving Owner’s Manual”

■ **Multi-terrain Select display (if equipped)**

→Refer to the “Off-road Driving Owner’s Manual”

■ **Crawl Control display* (if equipped)**

→Refer to the “Off-road Driving Owner’s Manual”

■ **Outside temperature display**

Displays the outside temperature

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

When the outside temperature drops below 3 °C (37 °F),  will flash approximately 10 seconds, then stay on.

■ **Customization**

Settings (e.g. available language) can be changed.
(Customizable features: →P. 819)

*: Automatically displayed when the system is used

■ **Eco Driving Indicator (vehicles with an automatic transmission)**

① Eco Driving Indicator Light (→P. 115)

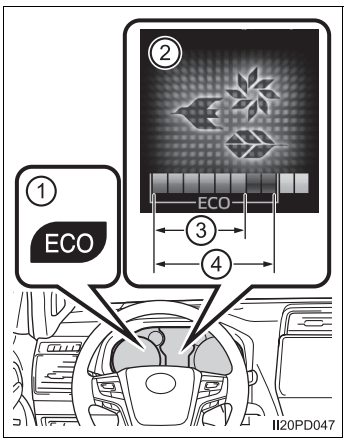
② Eco Driving Indicator Zone Display

Suggests the Zone of Eco driving with current Eco driving ratio based on acceleration.

③ Eco driving ratio based on acceleration

If the acceleration exceeds Zone of Eco driving, the right side of Eco Driving Indicator Zone Display will illuminate.

④ Zone of Eco driving



■ **Pop-Up display**

The pop-up display is displayed on the multi-information display according to the operating conditions of the following functions:

- Route guidance display of the navigation system-linked system (if equipped)
- Incoming call display of the hands-free phone system (if equipped)

The pop-up display function can be disabled.

■ **Tire inflation pressure (vehicles with the tire pressure warning system)**

- It may take a few minutes to display the tire inflation pressure after the engine switch is turned to IGNITION ON mode. It may also take a few minutes to display the tire inflation pressure after inflation pressure has been adjusted.
- "---" may be displayed if the tire information cannot be determined due to unfavorable radio wave conditions.
- Tire inflation pressure changes with temperature. The displayed values may also be different from the values measured using a tire pressure gauge.

■ **Outside temperature display**

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

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

■ **Suspension of the settings display**

In the following situations, the settings display using the meter control switches will be suspended.

- When a warning message appears on the multi-information display
- When the vehicle begins to move

■ **Liquid crystal display**

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

WARNING

■ **Caution for use while driving**

For safety, avoid operating the meter control switches while driving as much as possible, and do not look continuously at the multi-information display while driving. Stop the vehicle and operate the meter control switches. Failure to do so may cause a steering wheel operation error, resulting in an unexpected accident.

■ **Cautions while setting up the display**

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

■ **The multi-information display at low temperatures (vehicles with an automatic transmission)**

Allow the interior of the vehicle to warm up before using the multi-information display. At extremely low temperatures, the multi-information display monitor may respond slowly, and display changes may be delayed.
For example, there is a lag between the driver's shifting and the new gear number appearing on the display. This lag could cause the driver to downshift again, causing rapid and excessive engine braking and possibly an accident resulting in death or serious injury.

NOTICE

■ **While setting up the display**

To prevent battery discharge, ensure that the engine is running while setting up the display features.

Fuel consumption information*

The fuel consumption information can be displayed on the navigation system or multimedia system screen.

Display the screen

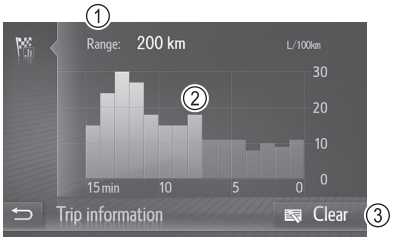
Press the “CAR” button, and then select “Trip information” on the screen.

Fuel consumption

① Cruising range

② Previous fuel consumption per minute

③ Reset the trip information data



ID2PD043EEa

Average fuel consumption for the past 15 minutes is divided by color into past averages and averages attained since the engine switch was last turned to the “ON” position (vehicles without a smart entry & start system) or IGNITION ON mode (vehicles with a smart entry & start system). Use the displayed average fuel consumption as a reference.

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

■ **Resetting the data**

Selecting “Clear” on the consumption screen will reset the consumption data.

■ **Cruising range**

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

This distance is computed based on your average fuel consumption. As a result, the actual distance that can be driven may differ from that displayed.

*: If equipped

Operation of each component 3

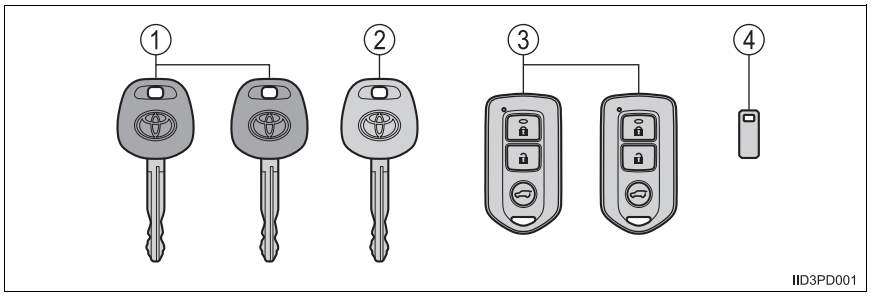
3-1. Key information
Keys.....138
3-2. Opening, closing and locking the doors
Side doors.....145
Back door.....156
Glass hatch.....162
Smart entry & start system 168
3-3. Adjusting the seats
Front seats.....193
Rear seats 196
Driving position memory.....210
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3-4. Adjusting the steering wheel and mirrors
Steering wheel.....217
Inside rear view mirror 220
Outside rear view mirrors 222
3-5. Opening and closing the windows and moon roof
Power windows.....227
Moon roof.....231

Keys

The keys

The following keys are provided with the vehicle.

▶ Vehicles without a smart entry & start system (type A)



① Master keys

② Valet key

③ Wireless remote controls

Operating the wireless remote control function

④ Key number plate

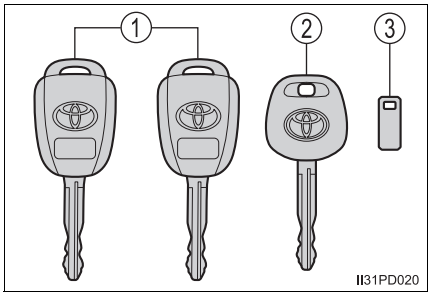
▶ Vehicles without a smart entry & start system (type B)

① Master keys

Operating the wireless remote control function

② Valet key

③ Key number plate



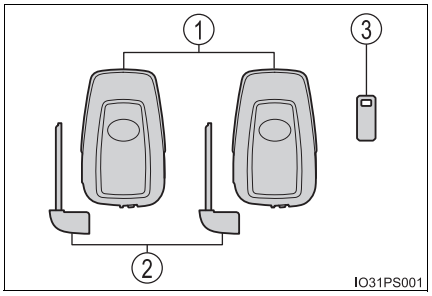
▶ Vehicles with a smart entry & start system

① Electronic keys

- Operating the smart entry & start system (→P. 168)
- Operating the wireless remote control function

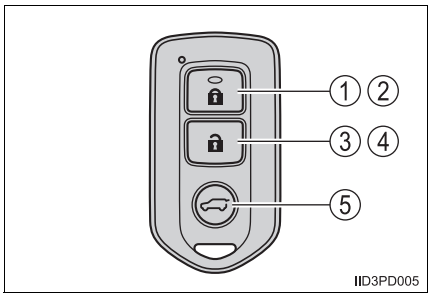
② Mechanical keys

③ Key number plate



Wireless remote control

▶ Vehicles without a smart entry & start system (type A)



① Locks the doors (→P. 145)

② Closes the windows and moon roof (if equipped)* (→P. 145)

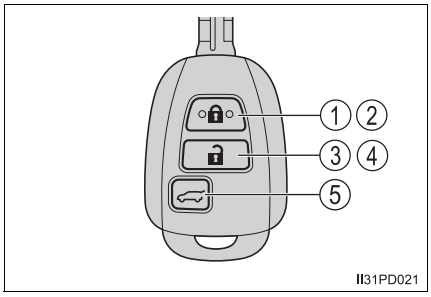
③ Unlocks the doors (→P. 145)

④ Opens the windows and moon roof (if equipped)* (→P. 145)

⑤ Opens the glass hatch (→P. 162)

*: These settings must be customized at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

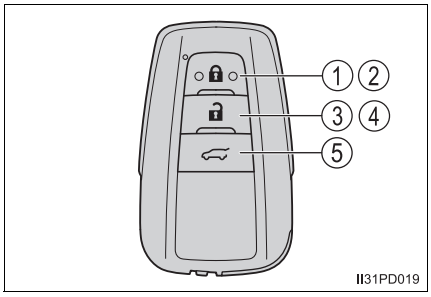
▶ Vehicles without a smart entry & start system (type B)



① Locks the doors (→P. 145)
② Closes the windows and moon roof (if equipped)* (→P. 145)
③ Unlocks the doors (→P. 145)
④ Opens the windows and moon roof (if equipped)* (→P. 145)
⑤ Opens the glass hatch (vehicles with the glass hatch) (→P. 162)

*: These settings must be customized at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

▶ Vehicles with a smart entry & start system

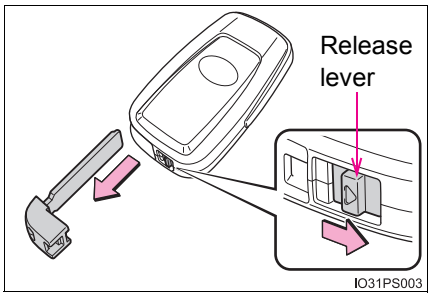


① Locks the doors (→P. 145)
② Closes the windows and moon roof (if equipped)* (→P. 145)
③ Unlocks the doors (→P. 145)
④ Opens the windows and moon roof (if equipped)* (→P. 145)
⑤ Opens the glass hatch (vehicles with the glass hatch) (→P. 162)

*: These settings must be customized at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

Using the mechanical key (vehicles with a smart entry & start system)

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



The mechanical key can only be inserted in one direction, as the key only has grooves on one side. If the key cannot be inserted in a lock cylinder, turn it over and reattempt to insert it.

After using the mechanical key, store it in the electronic key. Carry the mechanical key together with the electronic key. If the electronic key battery is depleted or the entry function does not operate properly, you will need the mechanical key. (→P. 753)

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

Lock the glove box as circumstances demand. (→P. 564)

▶ Vehicles without a smart entry & start system

Carry the master key for your own use and provide the attendant with the valet key.

▶ Vehicles with a smart entry & start system

Remove the mechanical key for your own use and provide the attendant with the electronic key only.

If you lose your keys/wireless remote control

▶ Keys

New genuine keys can be made by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer using a master key (vehicles without a smart entry & start system) or the other key (vehicles with a smart entry & start system) and the key number stamped on your key number plate. Keep the plate in a safe place such as your wallet, not in the vehicle.

▶ Wireless remote control (if equipped)

New genuine wireless remote control can be purchased and programmed by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer. If a wireless remote control has been lost, bring the other wireless remote control when going to pick up the new one.

When riding in an aircraft

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

■ **Key battery depletion**

▶ Vehicles without a smart entry & start system

If the wireless remote control function does not operate, the battery may be depleted. Replace the battery when necessary. (→P. 660)

▶ Vehicles with a smart entry & start system

- The standard battery life is 1 to 2 years.
- If the battery becomes low, an alarm will sound in the cabin when the engine stops. (→P. 707)
- As the electronic key always receives radio waves, the battery will become depleted even if the electronic key is not used. The following symptoms indicate that the electronic key battery may be depleted. Replace the battery when necessary. (→P. 660)
  - The smart entry & start system or the wireless remote control does not operate.
  - The detection area becomes smaller.
  - The LED indicator on the key surface does not turn on.

You can replace the battery by yourself (→P. 660). However, as there is a danger that the electronic key may be damaged, it is recommended that replacement is carried out by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

- To reduce key battery depletion when the electronic key is to not be used for long periods of time, set the electronic key to the battery-saving mode. (→P. 171)
- To avoid serious deterioration, do not leave the electronic key within 1 m (3 ft.) of the following electrical appliances that produce a magnetic field:
  - TVs
  - Personal computers
  - Cellular phones, cordless phones and battery chargers
  - Recharging cellular phones or cordless phones
  - Table lamps
  - Induction cookers

■ **If a message regarding the state of the electronic key or engine switch mode, etc. is shown**

To prevent trapping the electronic key inside the vehicle, leaving the vehicle without turning off the engine switch or other passengers from unintentionally taking the key out of the vehicle, etc., a message that prompts the user to confirm the state of the electronic key or engine switch mode may be shown on the multi-information display. In those cases, follow the instructions on the display immediately.

■ **Replacing the electronic key battery**

→P. 660

■ **Confirmation of the registered key number**

The number of keys already registered to the vehicle can be confirmed. Ask any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **If a wrong key is used**

On some models: The key cylinder rotates freely to isolate inside mechanism.

⚠ NOTICE

■ **To prevent key damage**

- Do not drop the keys, subject them to strong shocks or bend them.
- Do not expose the keys to high temperatures for long periods of time.
- Do not get the keys wet or wash them in an ultrasonic washer etc.
- Do not attach metallic or magnetic materials to the keys or place the keys close to such materials.
- Do not disassemble the keys.
- Do not attach a sticker or anything else to the surface of the electronic key.
- Do not place the keys near objects that produce magnetic fields, such as TVs, audio systems and induction cookers.
- Do not place the keys near medical electrical equipment such as low-frequency therapy equipment or microwave therapy equipment, and do not receive medical attention with the keys on your person.

■ **Carrying the electronic key on your person (vehicles with a smart entry & start system)**

Carry the electronic key 10 cm (3.9 in.) or more away from electric appliances that are turned on. Radio waves emitted from electric appliances within 10 cm (3.9 in.) of the electronic key may interfere with the key, causing the key to not function properly.

■ **In case of a smart entry & start system malfunction or other key-related problems (vehicles with a smart entry & start system)**

Take your vehicle with all the electronic keys provided with your vehicle to any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **When an electronic key is lost (vehicles with a smart entry & start system)**

If the electronic key remains lost, the risk of vehicle theft increases significantly. Visit any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately with all remaining electronic keys that were provided with your vehicle.

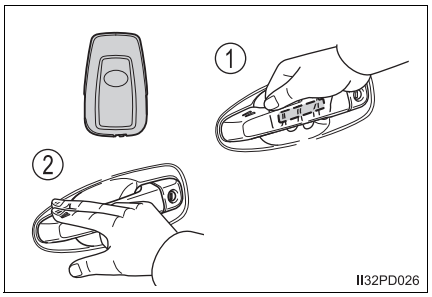
Side doors

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

Locking and unlocking the doors from the outside

◆ Smart entry & start system (if equipped)

Carry the electronic key to enable this function.



① Grip the front door handle to unlock the doors.

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

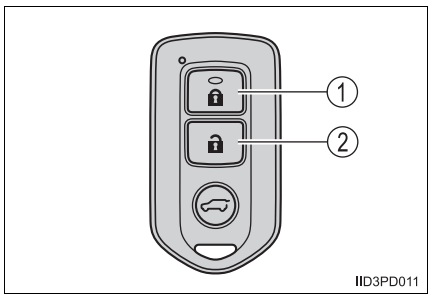
The doors cannot be unlocked for 3 seconds after the doors are locked.

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

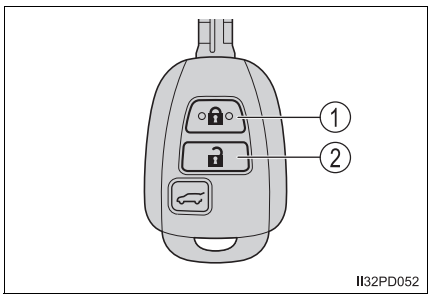
Check that the door is securely locked.

◆ Wireless remote control

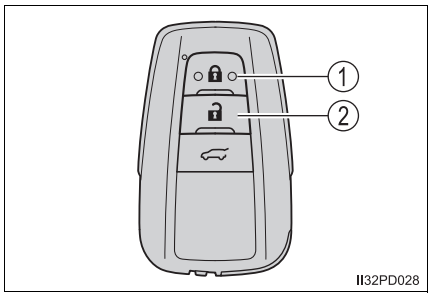
▶ Vehicles without a smart entry & start system (type A)



▶ Vehicles without a smart entry & start system (type B)



▶ Vehicles with a smart entry & start system



① Locks all the doors

Press and hold to close the windows and moon roof (if equipped).*

Check that the door is securely locked.

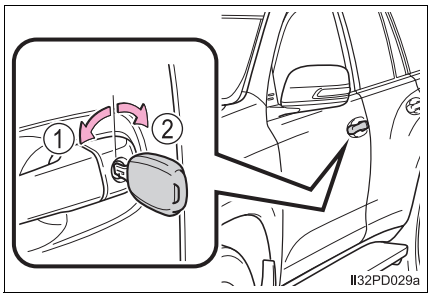
② Unlocks all the doors

Press and hold to open the windows and moon roof (if equipped).*

*: These settings must be customized at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

◆ Key

▶ Vehicles without a smart entry & start system



① Locks all the doors

Turn and hold to close the windows and moon roof (if equipped).*

② Unlocks all the doors

Turn and hold to open the windows and moon roof (if equipped).*

*: These settings must be customized at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

▶ Vehicles with a smart entry & start system

The doors can also be locked and unlocked with the mechanical key. (→P. 753)

■ Operation signals

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

Windows and moon roof (if equipped): A buzzer sounds to indicate that the windows and moon roof are operating.

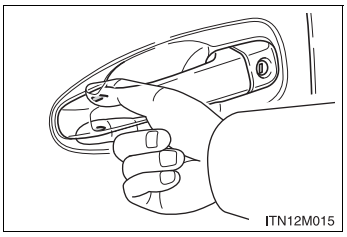
■ Security feature

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

■ When the door cannot be locked by the lock sensor on the upper part of the door handle (vehicles with a smart entry & start system)

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

When gloves are being worn, remove the gloves.



■ **Door lock buzzer**

If an attempt to lock the doors is made when a door and/or the glass hatch is not fully closed, a buzzer sounds continuously for 5 seconds. Fully close the door and/or the glass hatch to stop the buzzer, and lock the vehicle once more.

■ **Setting the alarm (if equipped)**

Locking the doors will set the alarm system. (→P. 99)

■ **If the smart entry & start system or the wireless remote control does not operate properly (vehicles with a smart entry & start system)**

- Use the mechanical key to lock and unlock the doors. (→P. 753)
- Replace the battery with a new one if it is depleted. (→P. 660)

⚠ WARNING

■ **When closing the windows or moon roof using wireless remote control**

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

- Check to make sure that all passengers do not have any part of their body in a position where it could be caught when a window or moon roof is being operated.
- To prevent inadvertent power windows and moon roof operation, never let a small child have and use the wireless remote control.

■ **Jam protection function**

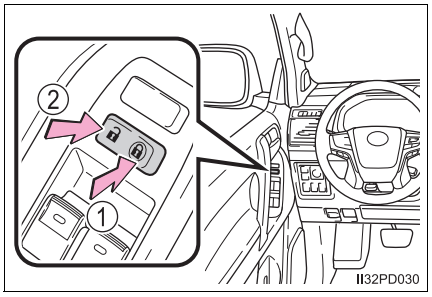
- Never try jamming any part of your body to activate the jam protection function intentionally.
- The jam protection function may not work if something gets caught just before the window or moon roof fully closes.

Locking and unlocking the doors from the inside

◆ Door lock switch

① Locks all the doors

② Unlocks all the doors

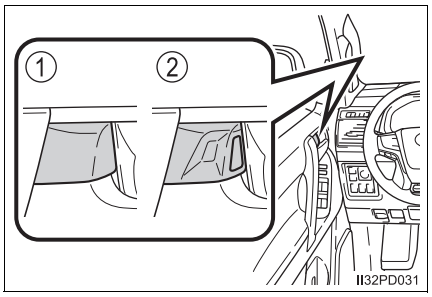


◆ Inside lock button

① Locks the door

② Unlocks the door

The driver's door and front passenger's door (for some models only) can be opened by pulling the inside handle even if the lock button is in the lock position.



Locking the front doors from the outside without a key

1 Move the inside lock button to the lock position.

2 Close the door while pulling the door handle.

▶ Vehicles without a smart entry & start system

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

▶ Vehicles with a smart entry & start system

The door cannot be locked if the engine switch is in ACCESSORY or IGNITION ON mode, or the electronic key is left inside the vehicle. However, the key may not be detected correctly and the door may be locked.

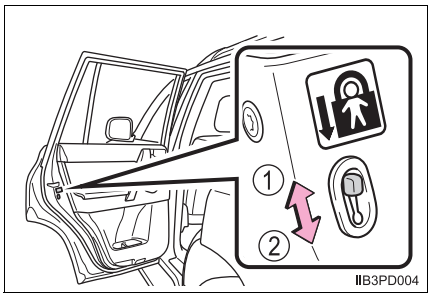
Rear door child-protector lock (5-door models)

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

① Unlock

② Lock

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



Automatic door locking and unlocking systems (if equipped)

The following functions can be set or canceled:

Function	Operation
Speed linked door locking function	All doors are automatically locked when vehicle speed is approximately 20 km/h (12 mph) or higher.
Shift position linked door locking function*	Shifting the shift lever out of P locks all the doors.
Shift position linked door unlocking function*	Shifting the shift lever to P unlocks all the doors.
Driver's door linked door unlocking function	All the doors are unlocked when the driver's door is opened within 45 seconds after turning the engine switch off.

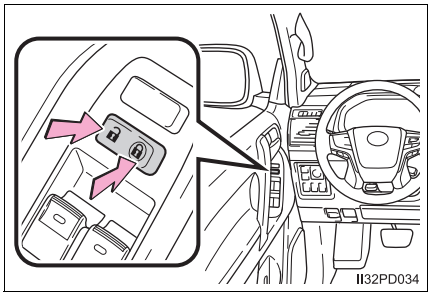
*: Vehicles with an automatic transmission

■ Setting and canceling the functions

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

1 Close all the doors and turn the engine switch to IGNITION ON mode. (Perform step 2 within 20 seconds.)

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


II32PD034

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

Use the same procedure to cancel the function.

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

*: Vehicles with an automatic transmission

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

■ **Changing the door unlock function setting (vehicles with a smart entry & start system)**

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

1 Turn the engine switch off.

2 Cancel the intrusion sensor and tilt sensor of the alarm system to prevent unintended triggering of the alarm during the setting change. (→P. 102)

3 When the indicator on the key surface is turned off, press and hold or (if equipped) for approximately 5 seconds while pressing on the key.

The setting changes each time an operation is performed, as shown below. (When changing the setting continuously, release the buttons, wait for at least 5 seconds, and repeat step 3.)

Multi-information display	Unlocking function	Beep
 (Left-hand drive vehicles)  (Right-hand drive vehicles)	Holding the driver's door handle unlocks only the driver's door.	Exterior: Beeps 3 times Interior: Pings once
	Holding the front passenger's door handle unlocks all the doors.	
	Holding either door handle unlocks all the doors.	Exterior: Beeps twice Interior: Pings once

For vehicles with an alarm: To prevent unintended triggering of the alarm, unlock the doors using the wireless remote control and open and close a door once after the settings have been changed. (If a door or the glass hatch is not opened within 30 seconds after is pressed, the doors will be locked again and the alarm will automatically be set.)
In case that the alarm is triggered, immediately stop the alarm. (→P. 99)

■ **Impact detection door lock release system**

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

■ **Conditions affecting the operation of the smart entry and start system or wireless remote control**

▶ Vehicles without a smart entry & start system

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

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

▶ Vehicles with a smart entry & start system

→P. 172

■ **Customization**

Settings (e.g. unlocking function using a key) can be changed.
(Customizable features: →P. 809)

⚠ WARNING

■ **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.

- Ensure that all the doors are properly closed.
- Do not pull the inside handle of the doors while driving.

  Be especially careful for the front doors, as the doors may be opened even if the inside lock button is in locked position.
- Set the rear door child-protector locks when children are seated in the second seat.

■ **When opening or closing a door**

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

WARNING

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

Operate the power window or moon roof after checking to make sure that there is no possibility of any passenger having any of their body parts caught in the window or moon roof. Also, do not allow children to operate the wireless remote control. It is possible for children and other passengers to get caught in the power window or moon roof.

Back door

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

Locking and unlocking the back door from the outside

◆ Smart entry & start system (if equipped)

Carry the electronic key to enable this function.

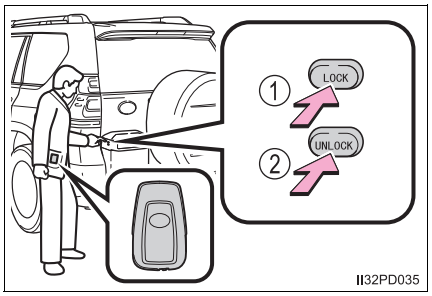
▶ Vehicles with back door mounted spare tire

① Locks all the doors

Check that the door is securely locked.

② Unlocks all the doors

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



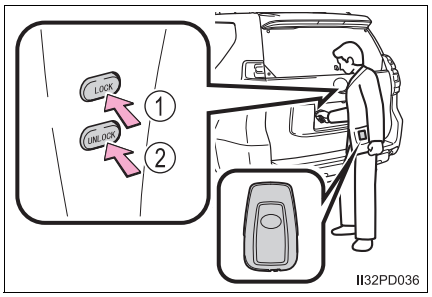
▶ Vehicles with under floor mounted spare tire

① Locks all the doors

Check that the door is securely locked.

② Unlocks all the doors

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



◆ Wireless remote control

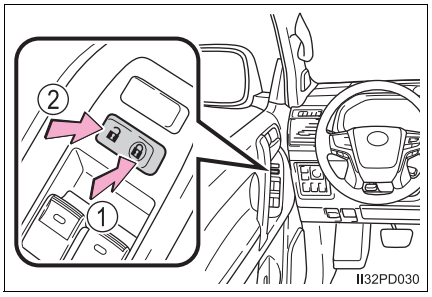
→P. 146

Locking and unlocking the back door from the inside

◆ Door lock switch

① Locks all the doors

② Unlocks all the doors



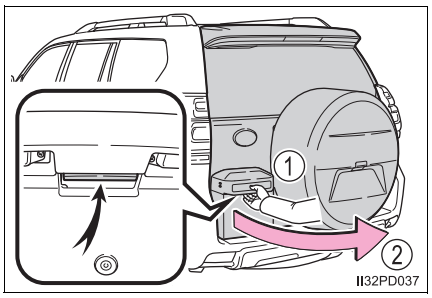
Opening the back door from the outside

▶ Vehicles with back door mounted spare tire

① Pull the handle

② Open the back door

The back door can be kept open at a desired position.

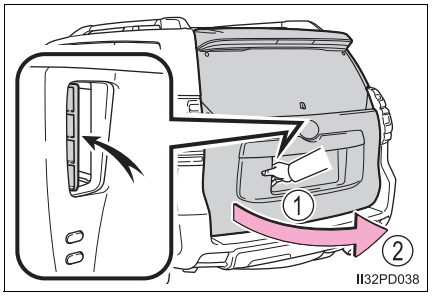


▶ Vehicles with under floor mounted spare tire

① Pull the handle

② Open the back door

The back door can be kept open at a desired position.



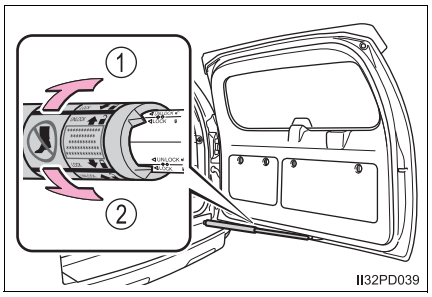
Keeping the back door open

① Unlocks the back door stopper

② Locks the back door stopper

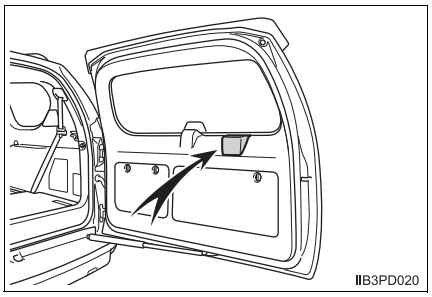
The back door stopper can only be operated when the back door is fully open.

When closing the back door, check that the back door stopper is unlocked.



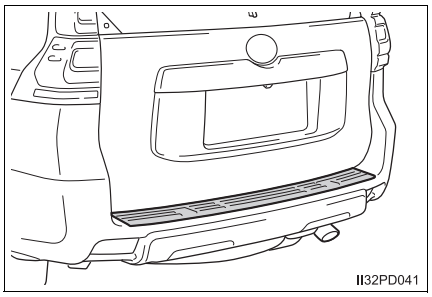
When closing the back door

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



Rear step bumper

The rear step bumper is for rear end protection and easier step-up loading.



WARNING

■ **While driving**

- Keep the back door closed while driving.
  If the back door is left open, it may hit near-by objects while driving or luggage may be unexpectedly thrown out, causing an accident.
  In addition, exhaust gases may enter the vehicle, causing death or a serious health hazard. Make sure to close the back door before driving.
- Before driving the vehicle, make sure that the back door is fully closed. If the back door is not fully closed, it may open unexpectedly while driving, causing an accident.
- Never let anyone sit in the luggage compartment. In the event of sudden braking, sudden swerving or a collision, they are susceptible to death or serious injury.

■ **When children are in the vehicle**

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

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

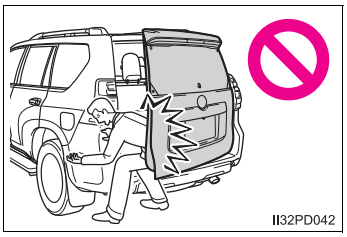
■ **Operating the back door**

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

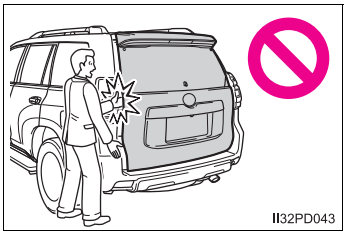
- When opening or closing the back door, thoroughly check to make sure the surrounding area is safe.
- If anyone is in the vicinity, make sure they are safe and let them know that the back door is about to open or close.
- Use caution when opening or closing the back door in windy weather as it may move abruptly in strong wind.

WARNING

■ **Operating the back door**



- The back door may suddenly shut if the back door stopper is not locked. It is more difficult to open or close the back door on an incline than on a level surface, so beware of the back door unexpectedly opening or closing by itself. Make sure that the back door stopper is locked and secure before using the luggage compartment.
- Even with the back door stopper locked, the back door stopper may unlock and the back door may close when excessive force such as a strong wind is applied to the back door. Take extra care to prevent any part of your body from being caught.



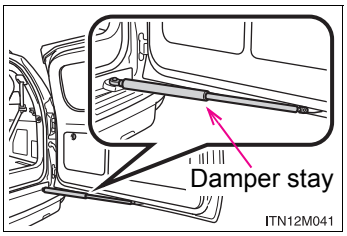
- When closing the back door, take extra care to prevent your fingers etc. from being caught.
- When closing the back door, make sure to press it lightly on its outer surface. If the back door handle is used to fully close the back door, it may result in hands or arms being caught.
- Do not pull on the back door damper stay to close the back door, and do not hang on the back door damper stay.
  Doing so may cause hands to be caught or the back door damper stay to break, causing an accident.
- If a bicycle carrier or similar heavy object is attached to the back door, it may suddenly shut again after being opened, causing someone's hands, head or neck to be caught and injured. When installing an accessory part to the back door, using a genuine Toyota part is recommended.

NOTICE

Back door damper stay

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

- Do not attach any accessories other than genuine Toyota parts to the back door.
- Do not lean against, climb on or place luggage on the damper stay, or apply lateral forces to it.



Glass hatch*

The glass hatch can be opened using the glass hatch opener or wireless remote control.

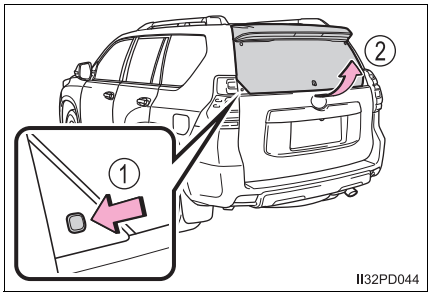
Opening the glass hatch

◆ Glass hatch opener

① Press the button to pop up the glass hatch.

② Raise

The glass hatch cannot be opened when the back door is locked. Unlock the back door to open the glass hatch. (→P. 156)

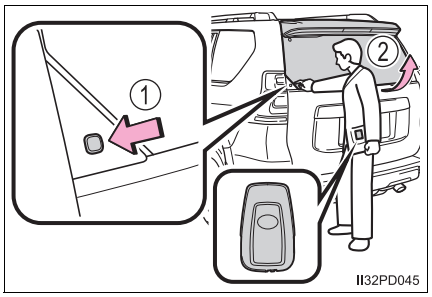


◆ Smart entry & start system (if equipped)

① While carrying the electronic key, press the button to pop up the glass hatch.

② Raise

The glass hatch can be opened even when the back door is locked.

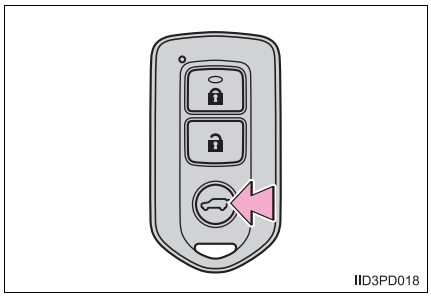


*: If equipped

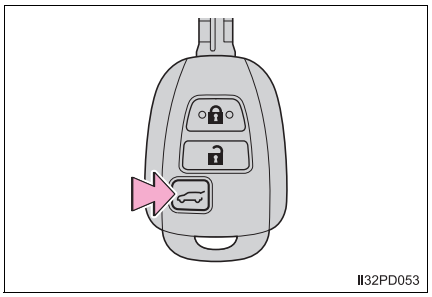
◆ Wireless remote control

Press and hold the button to open the glass hatch. The glass hatch will pop up.

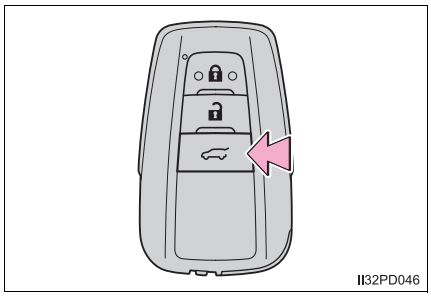
▶ Vehicles without a smart entry & start system (type A)



▶ Vehicles without a smart entry & start system (type B)



▶ Vehicles with a smart entry & start system



■ **When opening the glass hatch**

- Open the glass hatch slowly and carefully.
- Use the glass hatch opener or wireless remote control when the back door is closed.

■ **Operation signals (when opening with the wireless remote control)**

A buzzer (if equipped) sounds once to indicate that the glass hatch have been opened.

■ **Opening the glass hatch while the rear window wiper is in operation**

Rear window wiper operation will stop moving. Operation will recommence after the glass hatch has been closed.

■ **After closing the glass hatch**

Check that the glass hatch is firmly closed. If it is not firmly closed, the rear window wiper and washer will not operate correctly.

■ **Door lock buzzer**

If an attempt to lock the doors and/or the glass hatch is made when a door is not fully closed, a buzzer sounds continuously for 5 seconds. Fully close the door and/or the glass hatch to stop the buzzer, and lock the vehicle once more.

■ **Function to prevent the glass hatch being locked with the electronic key inside (vehicles with a smart entry & start system)**

- When all doors are being locked, closing the glass hatch with the electronic key left inside the luggage compartment will sound an alarm.
  In this case, the glass hatch can be opened using the entry function.
- Even when the spare electronic key is put in the luggage compartment with all the doors locked, the key confinement prevention function can be activated so the glass hatch can be opened. In order to prevent theft, take all electronic keys with you when leaving the vehicle.
- Even when the electronic key is put in the luggage compartment with all the doors are locked, the key may not be detected depending on the places and the surrounding radio wave conditions. In this case, the key confinement prevention function cannot be activated, causing the doors to lock when the glass hatch is closed. Make sure to check where the key is before closing the glass hatch.
- If you want to lock the spare electronic key in the vehicle, do not open or close the glass hatch after locking all doors. Otherwise, the glass hatch can be opened due to the key confinement prevention function and the risk of vehicle theft increases significantly.

■ **Customization**

The glass hatch opening operation can be changed.
(Customizable features: →P. 809)

WARNING

■ **While driving**

- Keep the glass hatch closed while driving.
  If the glass hatch is left open, it may hit near-by objects while driving or luggage may be unexpectedly thrown out, causing an accident.
  In addition, exhaust gases may enter the vehicle, causing death or a serious health hazard. Make sure to close the glass hatch before driving.
- Before driving the vehicle, make sure that the glass hatch is fully closed. If the glass hatch is not fully closed, it may open unexpectedly while driving, causing an accident.

■ **When children are in the vehicle**

Do not allow a child to open or close the glass hatch.
Doing so may cause the glass hatch to move unexpectedly, or cause the child's hands, head, or neck to be caught by the closing glass hatch.

■ **Operating the glass hatch**

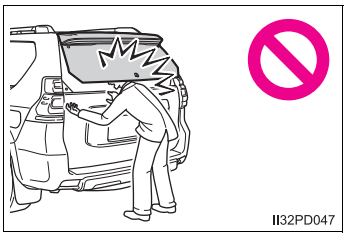
Observe the following precautions.
Failure to do so may cause parts of the body to be caught, resulting in death or serious injury.

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

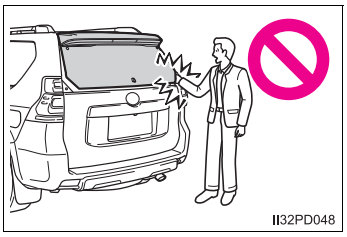
WARNING

■ **Operating the glass hatch**

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



- When closing the glass hatch, take extra care to prevent your fingers etc. from being caught.
- When closing the glass hatch, make sure to press it lightly on its outer surface.



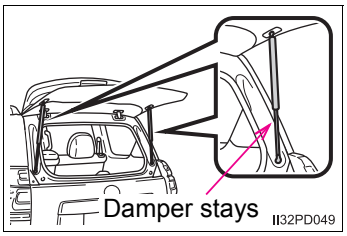
- Do not pull on the glass hatch damper stay to close the glass hatch, and do not hang on the glass hatch damper stay.
  Doing so may cause hands to be caught or the glass hatch damper stay to break, causing an accident.
- Do not attach any accessories other than genuine Toyota parts to the glass hatch. Such additional weight on the glass hatch may cause the glass hatch to suddenly shut again after it is opened.

NOTICE

Glass hatch damper stays

The glass hatch is equipped with damper stays that hold the glass hatch in place.
Observe the following precautions.
Failure to do so may cause damage to the glass hatch damper stay, resulting in malfunction.

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



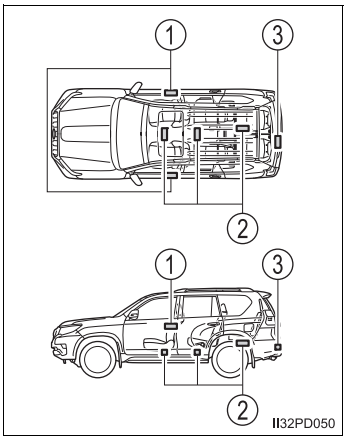
Smart entry & start system*

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

- Locks and unlocks the side doors (→P. 145)
- Locks and unlocks the back door (→P. 156)
- Opens the glass hatch (→P. 162)
- Starts the engine (→P. 268)

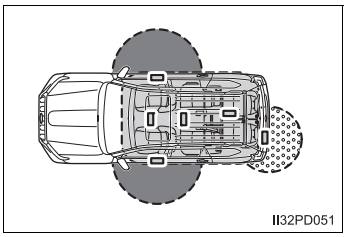
Antenna location

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



*: If equipped

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



When locking or unlocking the doors

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

When opening the glass hatch (if equipped) and locking or unlocking the back door

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

When starting the engine or changing engine switch modes

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

Vehicles for U.K.: The system may not operate when the back door or the glass hatch are open, even if the electronic key is in the rear of the vehicle.

■ **Alarms and warning indicators**

Vehicles with the multi-information display type A: A combination of exterior and interior alarms as well as warning lights are used to prevent theft of the vehicle and unforeseeable accidents resulting from erroneous operation. Take appropriate measures for the warning light that comes on. (→P. 702)

Vehicles with the multi-information display type B: A combination of exterior and interior alarms as well as warning messages shown on the multi-information display are used to prevent theft of the vehicle and accidents resulting from erroneous operation. Take appropriate measures in response to any warning message on the multi-information display.

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

Alarm	Situation	Correction procedure
Interior alarm pings once and exterior alarm sounds once for 5 seconds*1	An attempt was made to lock the doors using the smart entry & start system while the electronic key was still inside the vehicle.	Retrieve the electronic key from the vehicle and lock the doors again.
Exterior alarm sounds once for 5 seconds	An attempt was made to lock the vehicle while a door and/or the glass hatch was open.	Close all of the doors and/or the glass hatch, and lock the doors again.
	An attempt was made to close the glass hatch while the electronic key was still inside the vehicle.	Open the glass hatch again and retrieve the electronic key from the vehicle.
Interior alarm pings continuously	The engine switch was turned to ACCESSORY mode while the driver's door was open (or the driver's door was opened while the engine switch was in ACCESSORY mode).	Turn the engine switch off and close the driver's door.
Interior alarm sounds continuously*1, 2	The driver's door was opened while any shift position other than P was selected without turning off the engine switch.	Shift the shift lever to P.

*1: Vehicles with the multi-information display type A

*2: Vehicles with an automatic transmission

■ **Battery-saving function**

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

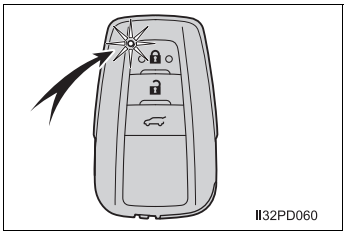
- In the following situations, the smart entry & start system may take some time to unlock the doors.
  - The electronic key has been left in an area of approximately 2 m (6 ft.) of the outside of the vehicle for 10 minutes or longer.
  - The smart entry & start system has not been used for 5 days or longer.
- If the smart entry & start system has not been used for 14 days or longer, the doors cannot be unlocked at any doors except the driver's door. In this case, take hold of the driver's door handle, or use the wireless remote control or the mechanical key, to unlock the doors.

■ **Electronic Key Battery-Saving Function**

When battery-saving mode is set, battery depletion is minimized by stopping the electronic key from receiving radio waves.

Press twice while pressing and holding . Confirm that the electronic key indicator flashes 4 times.

While the battery-saving mode is set, the smart entry & start system cannot be used. To cancel the function, press any of the electronic key buttons.



It is recommended to set the electronic key to the battery-saving mode when the electronic key is not be used for long periods of time.

■ **Conditions affecting operation**

The smart entry & start system uses weak radio waves. In the following situations, the communication between the electronic key and the vehicle may be affected, preventing the smart entry & start system, wireless remote control and engine immobilizer system from operating properly.
(Ways of coping: →P. 753)

- When the electronic key battery is depleted
- Near a TV tower, electric power plant, gas station, radio station, large display, airport or other facility that generates strong radio waves or electrical noise
- When the electronic key is in contact with, or is covered by the following metallic objects
  - Cards to which aluminum foil is attached
  - Cigarette boxes that have aluminum foil inside
  - Metallic wallets or bags
  - Coins
  - Hand warmers made of metal
  - Media such as CDs and DVDs
- When other wireless keys (that emit radio waves) are being used nearby
- When carrying the electronic key together with the following devices that emit radio waves
  - Portable radio, cellular phone, cordless phone or other wireless communication devices
  - Another vehicle's electronic key or a wireless key that emits radio waves
  - Personal computers or personal digital assistants (PDAs)
  - Digital audio players
  - Portable game systems
- If window tint with a metallic content or metallic objects are attached to the rear window
- When the electronic key is placed near a battery charger or electronic devices
- When the vehicle is parked in a pay parking spot where radio waves are emitted.

■ **Note for the entry function**

- Even when the electronic key is within the effective range (detection areas), the system may not operate properly in the following cases:
  - The electronic key is too close to the window or outside door handle, near the ground, or in a high place when the doors are locked or unlocked.
  - The electronic key is on the instrument panel, luggage cover (if equipped) or floor, or in the door pockets or glove box when the engine is started or engine switch modes are changed.
- Do not leave the electronic key on top of the instrument panel or near the door pockets when exiting the vehicle. Depending on the radio wave reception conditions, it may be detected by the antenna outside the cabin and the doors will become lockable from the outside, possibly trapping the electronic key inside the vehicle.
- As long as the electronic key is within the effective range, the doors may be locked or unlocked by anyone. However, only the doors detecting the electronic key can be used to unlock the vehicle.
- Even if the electronic key is not inside the vehicle, it may be possible to start the engine if the electronic key is near the window.
- The doors may lock or unlock if a large amount of water splashes on the door handle, such as in the rain or in a car wash, when the electronic key is within the effective range. (The doors will automatically be locked after approximately 30 seconds if the doors or the glass hatch are not opened and closed.)
- If the wireless remote control is used to lock the doors when the electronic key is near the vehicle, there is a possibility that the door may not be unlocked by the entry function. (Use the wireless remote control to unlock the doors.)
- Touching the door lock sensor while wearing gloves may prevent lock operation.
- When the lock operation is performed using the lock sensor, recognition signals will be shown up to two consecutive times. After this, no recognition signals will be given.*

*: This setting can be customized at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

- If the door handle becomes wet while the electronic key is within the effective range, the door may lock and unlock repeatedly. In this case, follow the following correction procedures to wash the vehicle:
  - Place the electronic key in a location 2 m (6 ft.) or more away from the vehicle. (Take care to ensure that the key is not stolen.)
  - Set the electronic key to battery-saving mode to disable the smart entry & start system. (→P. 171)

- If the electronic key is inside the vehicle and a door handle becomes wet during a car wash, a message may be shown on the multi-information display and a buzzer will sound outside the vehicle. To turn off the alarm, lock all the doors.
- The lock sensor may not work properly if it comes into contact with ice, snow, mud, etc. Clean the lock sensor and attempt to operate it again, or use the lock sensor on the lower part of the door handle.
- A sudden approach to the effective range or door handle may prevent the doors from being unlocked. In this case, return the door handle to the original position and check that the doors unlock before pulling the door handle again.
- Unlocking the vehicle may take more time if another electronic key is within the effective range.

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

- To prevent theft of the vehicle, do not leave the electronic key within 2 m (6 ft.) of the vehicle.
- The smart entry & start system can be deactivated in advance. (→P. 809)
- Setting the electronic key to battery-saving mode helps to reduce key battery depletion. (→P. 171)

■ **To operate the system properly**

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

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

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

- Locking and unlocking the doors: Use the mechanical key. (→P. 753)
- Starting the engine: →P. 754

■ **Customization**

Settings (e.g. smart entry & start system) can be changed.
(Customizable features: →P. 809)

■ **If the smart entry & start system has been deactivated in a customized setting**

- Locking and unlocking the doors:
  Use the wireless remote control or mechanical key. (→P. 146, 753)
- Starting the engine and changing engine switch modes: →P. 754
- Stopping the engine: →P. 270

■ **Certification**

Hereby, TOYOTA MOTOR CORPORATION declares that the radio equipment type TMLF12-1 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: http://my.toyota.eu Frequency band: 119 - 135 kHz Maximum radio-frequency power: 55dBμA/m @10m
TOYOTA MOTOR CORPORATION vakuuttaa, että radiolaitetyyppi TMLF12-1 on direktiivin 2014/53/EU mukainen. EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: http://my.toyota.eu Radiotaajuus: 119 - 135 kHz suurin mahdollinen lähetysteho: 55dBμA/m @10m
Hierbij verklaar ik, TOYOTA MOTOR CORPORATION, dat het type radioapparatuur TMLF12-1 conform is met Richtlijn 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: http://my.toyota.eu Frequentieband: 119 - 135 kHz Maximaal radiofrequentievermogen: 55dBμA/m @10m

Le soussigné, TOYOTA MOTOR CORPORATION, déclare que l'équipement radioélectrique du type TMLF12-1 est conforme à la directive 2014/53/UE.

Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante:
http://my.toyota.eu

Bande de fréquences: 119 - 135 kHz
Puissance de radiofréquence maximale: 55dBμA/m @10m

Härmed försäkrar TOYOTA MOTOR CORPORATION att denna typ av radioutrustning TMLF12-1 överensstämmer med direktiv 2014/53/EU.

Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress:
http://my.toyota.eu

Frekvensband: 119 - 135 kHz
Maximal radiofrekvenseffekt: 55dBμA/m @10m

Hermed erklærer TOYOTA MOTOR CORPORATION, at radioudstyrstypen TMLF12-1 er i overensstemmelse med direktiv 2014/53/EU.

EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse:
http://my.toyota.eu

Frekvensbånd: 119 - 135 kHz
Maksimal radiofrekvenseffekt: 55dBμA/m @10m

Hiermit erklärt TOYOTA MOTOR CORPORATION, dass der Funkanlagentyp TMLF12-1 der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: http://my.toyota.eu Frequenzband: 119 - 135 kHz Abgestrahlte maximale Sendeleistung: 55dBμA/m @10m
Με την παρούσα ο/η TOYOTA MOTOR CORPORATION, δηλώνει ότι ο ραδιοεξοπλισμός TMLF12-1 πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: http://my.toyota.eu Ζώνη συχνοτήτων: 119 - 135 kHz Μέγιστη ισχύς ραδιοσυχνότητας: 55dBμA/m @10m
Il fabbricante, TOYOTA MOTOR CORPORATION, dichiara che il tipo di apparecchiatura radio TMLF12-1 è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: http://my.toyota.eu Banda di frequenza: 119 - 135 kHz Potenza massima radiofrequenza: 55dBμA/m @10m

Por la presente, TOYOTA MOTOR CORPORATION declara que el tipo de equipo radioeléctrico TMLF12-1 es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: http://my.toyota.eu Banda de frecuencia: 119 - 135 kHz Potencia máxima de radiofrecuencia: 55dBμA/m @10m
O(a) abaixo assinado(a) TOYOTA MOTOR CORPORATION declara que o presente tipo de equipamento de rádio TMLF12-1 está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: http://my.toyota.eu Banda de frequência: 119 - 135 kHz Potência máxima de radiofrequências: 55dBμA/m @10m
B'dan, TOYOTA MOTOR CORPORATION, niddikjara li dan it-tip ta' tagħmir tar-radju TMLF12-1 huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: http://my.toyota.eu Tíðnisvið: 119 - 135 kHz Hámarks útvarpsbylgjutíðni: 55dBμA/m @10m

Käesolevaga deklareerib TOYOTA MOTOR CORPORATION, et käesolev raadioseadme tüüp TMLF12-1 vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: http://my.toyota.eu Sagedusriba: 119 - 135 kHz Maksimaalne saatevõimsus: 55dBμA/m @10m
TOYOTA MOTOR CORPORATION igazolja, hogy a TMLF12-1 típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: http://my.toyota.eu Frekvenciasáv: 119 - 135 kHz Maximális jelerősség: 55dBμA/m @10m
TOYOTA MOTOR CORPORATION týmto vyhlasuje, že rádiové zariadenie typu TMLF12-1 je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: http://my.toyota.eu Frekvenčné pásmo: 119 - 135 kHz Maximálny rádiofrekvenčný výkon: 55dBμA/m @10m

Tímto TOYOTA MOTOR CORPORATION prohlašuje, že typ rádiového zařízení TMLF12-1 je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: http://my.toyota.eu Kmitočtové pásmo: 119 - 135 kHz Maximální radiofrekvenční výkon: 55dBμA/m @10m
TOYOTA MOTOR CORPORATION potrjuje, da je tip radijske opreme TMLF12-1 skladen z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: http://my.toyota.eu Frekvenčni pas: 119 - 135 kHz Največja moč radijske frekvence: 55dBμA/m @10m
Aš, TOYOTA MOTOR CORPORATION, patvirtinu, kad radijo įrenginių tipas TMLF12-1 atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: http://my.toyota.eu Dažnių juosta: 119 - 135 kHz Didžiausia radijo dažnių galia: 55dBμA/m @10m

Ar šo TOYOTA MOTOR CORPORATION deklarē, ka radioiekārta TMLF12-1 atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: http://my.toyota.eu Frekvenču josla: 119 - 135 kHz Maksimālā radiofrekvenču jauda: 55dBµA/m @10m
TOYOTA MOTOR CORPORATION niniejszym oświadcza, że typ urządzenia radiowego TMLF12-1 jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: http://my.toyota.eu Zakres częstotliwości: 119 - 135 kHz Maksymalna moc częstotliwości radiowej: 55dBµA/m @10m
TOYOTA MOTOR CORPORATION lýsir því hér með yfir að fjarskiptatækið af gerð TMLF12-1 er í samræmi við tilskipun 2014/53/EU. Öll ESB-samræmisyfirlýsingin er tiltæk á eftirfarandi vefslóð: http://my.toyota.eu Tíðnisvið: 119 - 135 kHz Hámarks útvarpsbylgjutíðni: 55dBµA/m @10m

TOYOTA MOTOR CORPORATION erklærer herved at radioutstyrtypen TMLF12-1 er i samsvar med direktivet 2014/53/EU. Hele teksten av EU-samsvarserklæringen kan leses på det følgende nettstedet: http://my.toyota.eu Frekvensbånd: 119 - 135 kHz Maksimal radiofrekvenseffekt: 55dBμA/m @10m
С настоящото TOYOTA MOTOR CORPORATION декларира, че този тип радиосъоръжение TMLF12-1 е в съответствие с Директива 2014/53/ЕС. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: http://my.toyota.eu Радиочестотна лента: 119 - 135 kHz Максимална радиочестотна мощност: 55dBμA/m @10m
Prin prezenta, TOYOTA MOTOR CORPORATION declară că tipul de echipamente radio TMLF12-1 este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: http://my.toyota.eu Banda de frecvență: 119 - 135 kHz Puterea maximă de radiofrecvență: 55dBμA/m @10m

Ovime TOYOTA MOTOR CORPORATION potvrđuje da je radio-oprema tipa TMLF12-1 u skladu sa Direktivom 2014/53/EU. Potpuni tekst EU deklaracije o usaglašenosti dostupan je na slijedećoj internet adresi: http://my.toyota.eu Frekvencijski opseg: 119 - 135 kHz Maksimalna radio-frekvencijska snaga: 55dBμA/m @10m
Me anë të këtij dokumenti, TOYOTA MOTOR CORPORATION deklaron se tipi i radiopajisjes TMLF12-1 është në përputhje me Direktivën 2014/53/EU. Teksti i plotë i deklaratës së konformitetit të Bashkimit Evropian është i disponueshëm në adresën e mëposhtme të internetit: http://my.toyota.eu Brezi i frekuencës: 119 - 135 kHz Fuqia maksimale e radiofrekuencës: 55dBμA/m @10m
TOYOTA MOTOR CORPORATION ovime izjavljuje da je radijska oprema tipa TMLF12-1 u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: http://my.toyota.eu Frekvencijski pojas: 119 - 135 kHz Maksimalna RF snaga: 55dBμA/m @10m

Ovim TOYOTA MOTOR CORPORATION potvrđuje da je radio-oprema tipa TMLF12-1 u skladu sa Direktivom 2014/53/EU. Potpuni tekst EU deklaracije o usaglašenosti dostupan je na sledećoj internet adresi: http://my.toyota.eu Frekventni opseg: 119 - 135 kHz Maksimalna radio-frekventna snaga: 55dBμA/m @10m
TOYOTA MOTOR CORPORATION, işbu belgeyle telsiz cihazı türünün TMLF12-1 2014/53/EU nolu Direktif ile uyumlu olduğunu beyan etmektedir. AB uygunluk beyanının tam metnine aşağıdaki internet adresinden ulaşabilirsiniz: http://my.toyota.eu Frekans bandı: 119 - 135 kHz Maksimum radyo frekans gücü: 55dBμA/m @10m

TOYOTA

TOYOTA MOTOR CORPORATION

1, TOYOTA-CHO, TOYOTA, AICHI, 471-8571, JAPAN TEL: +81-565-28-2121

EU Declaration of Conformity

CE

1. Radio equipment (Product / Type):

   Smart LF Oscillator / TMLF12-1

2. Name and address of the manufacturer:

   TOYOTA MOTOR CORPORATION
   1, Toyota -cho, Toyota, Aichi, 471-8572, Japan

3. This declaration of conformity is issued under the sole responsibility of the manufacturer.

4. Object of the declaration:

   TMLF12-1

5. The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

   Directive 2014/53/EU

6. References to the relevant harmonised standards used or references to the other technical specifications in relation to which conformity is declared:

(Health & safety requirements)	EN 60950-1:2006 + Amd.11:2009 + Amd.1:2010 + Amd.12:2011
(EMC requirements)	EN 301 489-1 V1.9.2 & EN 301 489-3 V1.4.1
(Effective uses of radio spectrum)	EN 300 330 V2.1.1

7. The notified body:

   Not Applicable

8. Accessories and components, including software, which allow the radio equipment to operate as intended and covered by the EU declaration of conformity:

   Not Applicable

9. Additional information:

   None

Place and date of issue: Japan, April 10, 2017

Signature: Tomoo Kakegawa

Function: Tomoo Kakegawa
General Manager

Receiver: Model: 23ABB

Transmitter: Model: 14FCF
Operation frequency: 433.58/434.42 MHz
Maximum output power(ERP): 0.05 mW

Manufacturer: DENSO CORPORATION
Address: 1-1, Showa-cho, Kariya-shi, Aichi-ken, 448-8661 Japan

NOTE:
- Dispose of used batteries according to the local laws.
- Replace only with the same or equivalent type recommended by the manufacturer.

Hereby, DENSO CORPORATION declares that the radio equipment type 23ABB/14FCF is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: https://www.denso.co.jp/en/contactus/form/doc/index.html 01
DENSO CORPORATION vakuuttaa, että radiolaitetyyppi 23ABB/14FCF on direktiivin 2014/53/EU mukainen. EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: https://www.denso.co.jp/en/contactus/form/doc/index.html 02
Hierbij verklaar ik, DENSO CORPORATION, dat het type radioapparatuur 23ABB/14FCF conform is met Richtlijn 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: https://www.denso.co.jp/en/contactus/form/doc/index.html 03

Le soussigné, DENSO CORPORATION, déclare que l'équipement radioélectrique du type 23ABB/14FCF est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: https://www.denso.co.jp/en/contactus/form/doc/index.html 04
Härmed försäkrar DENSO CORPORATION att denna typ av radioutrustning 23ABB/14FCF överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: https://www.denso.co.jp/en/contactus/form/doc/index.html 05
Hermed erklærer DENSO CORPORATION, at radioudstyrstypen 23ABB/14FCF er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: https://www.denso.co.jp/en/contactus/form/doc/index.html 06
Hiermit erklärt DENSO CORPORATION, dass der Funkanlagentyp 23ABB/14FCF der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: https://www.denso.co.jp/en/contactus/form/doc/index.html 07
Με την παρούσα ο/η DENSO CORPORATION, δηλώνει ότι ο ραδιοεξοπλισμός 23ABB/14FCF πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: https://www.denso.co.jp/en/contactus/form/doc/index.html 08

Il fabbricante, DENSO CORPORATION, dichiara che il tipo di apparecchiatura radio 23ABB/14FCF è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: https://www.denso.co.jp/en/contactus/form/doc/index.html 09
Por la presente, DENSO CORPORATION declara que el tipo de equipo radioeléctrico 23ABB/14FCF es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: https://www.denso.co.jp/en/contactus/form/doc/index.html 10
O(a) abaixo assinado(a) DENSO CORPORATION declara que o presente tipo de equipamento de rádio 23ABB/14FCF está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: https://www.denso.co.jp/en/contactus/form/doc/index.html 11
B'dan, DENSO CORPORATION, niddikjara li dan it-tip ta' tagħmir tar-radju 23ABB/14FCF huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: https://www.denso.co.jp/en/contactus/form/doc/index.html 12
Käesolevaga deklareerib DENSO CORPORATION, et käesolev raadioseadme tüüp 23ABB/14FCF vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: https://www.denso.co.jp/en/contactus/form/doc/index.html 13

DENSO CORPORATION igazolja, hogy a 23ABB/14FCF típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: https://www.denso.co.jp/en/contactus/form/doc/index.html 14
DENSO CORPORATION týmto vyhlasuje, že rádiové zariadenie typu 23ABB/14FCF je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: https://www.denso.co.jp/en/contactus/form/doc/index.html 15
Tímto DENSO CORPORATION prohlašuje, že typ rádiového zařízení 23ABB/14FCF je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: https://www.denso.co.jp/en/contactus/form/doc/index.html 16
DENSO CORPORATION potrjuje, da je tip radijske opreme 23ABB/14FCF skladen z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: https://www.denso.co.jp/en/contactus/form/doc/index.html 17
Aš, DENSO CORPORATION, patvirtinu, kad radijo įrenginių tipas 23ABB/14FCF atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: https://www.denso.co.jp/en/contactus/form/doc/index.html 18
Ar šo DENSO CORPORATION deklarē, ka radioiekārta 23ABB/14FCF atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: https://www.denso.co.jp/en/contactus/form/doc/index.html 19

DENSO CORPORATION niniejszym oświadcza, że typ urządzenia radiowego 23ABB/14FCF jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: https://www.denso.co.jp/en/contactus/form/doc/index.html 20
Hér með lýsir DENSO CORPORATION yfir því að 23ABB/14FCF er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 2014/53/EU. Samræmisyfirlýsing er einnig aðgengileg á eftirfarandi vefslóð: https://www.denso.co.jp/en/contactus/form/doc/index.html 21
DENSO CORPORATION erklærer at 23ABB/14FCF er i overensstemmelse med direktiv 2014/53/EU. Samsvarserklæringen i fulltekst er tilgjengelig på følgende internettadresse: https://www.denso.co.jp/en/contactus/form/doc/index.html 22
С настоящото DENSO CORPORATION декларира, че този тип радиосъоръжение 23ABB/14FCF е в съответствие с Директива 2014/53/ЕС. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: https://www.denso.co.jp/en/contactus/form/doc/index.html 23
Prin prezenta, DENSO CORPORATION declară că tipul de echipamente radio 23ABB/14FCF este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: https://www.denso.co.jp/en/contactus/form/doc/index.html 24

DENSO CORPORATION ovime izjavljuje da je radijska oprema tipa 23ABB/14FCF u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: https://www.denso.co.jp/en/contactus/form/doc/index.html 25
Ovim, DENSO CORPORATION, izjavljuje da ovaj 23ABB/14FCF je usklađen sa bitnim zahtjevima i drugim relevantnim odredbama Direktive 1999/5/EC. 26
Ovim, DENSO CORPORATION, deklariše da je 23ABB/14FCF u skladu sa osnovnim zahtevima i ostalim relevantnim odredbama Direktive 1999/5/EC. 27
Nepermjet kesaj, DENSO CORPORATION, deklaroj qe ky 23ABB/14FCF eshte ne pajtim me kerkesat thelbesore dhe dispozitat e tjera perkatese te Direktives 1999/5/EC. 28

CE The latest "DECLARATION of CONFORMITY" (DoC) is available at the following address: https://www.denso.co.jp/en/contactus/form/doc/index.html

WARNING

■ **Caution regarding interference with electronic devices**

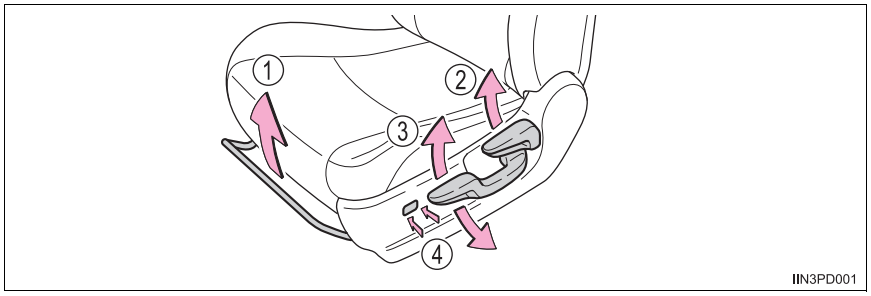
- People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should maintain a reasonable distance between themselves and the smart entry & start system antennas. (→P. 168)
  The radio waves may affect the operation of such devices. If necessary, the entry function can be disabled. Ask any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer for details, such as the frequency of radio waves and timing of the emitted radio waves. Then, consult your doctor to see if you should disable the entry function.
- Users of any electrical medical device other than implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves.
  Radio waves could have unexpected effects on the operation of such medical devices.

Ask any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer for details on disabling the entry function.

Front seats

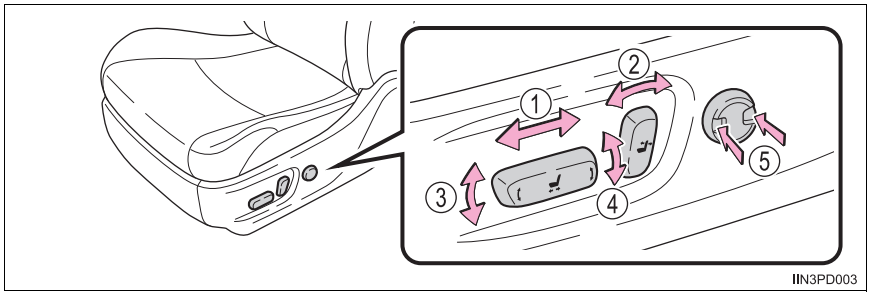
Adjustment procedure

▶ Manual seat



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

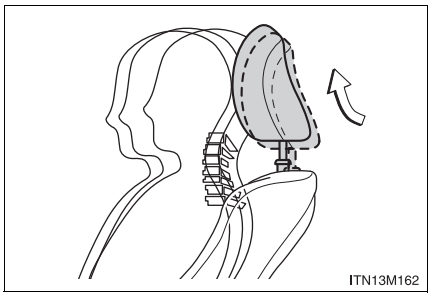
▶ Power seat



① Seat position adjustment switch
② Seatback angle adjustment switch
③ Seat cushion (front) angle adjustment switch (driver's side only)
④ Vertical height adjustment switch (driver's side only)
⑤ Lumbar support adjustment switch (driver's side only)

Active head restraints

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

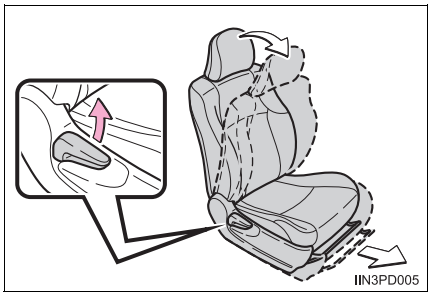


Moving a front passenger's seat for second seat access (3-door models)

■ Getting in the vehicle

Pull the seatback angle adjustment lever and fold down the seatback. The seat will slide forward.

Move the seat to the front-most position

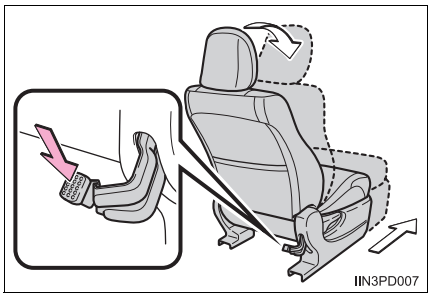


■ Getting out of the vehicle

Depress the release pedal and fold down the seatback. The seat will slide forward.

Move the seat to the front-most position

Make sure that no passenger is seated on the front passenger seat before depressing the release pedal.

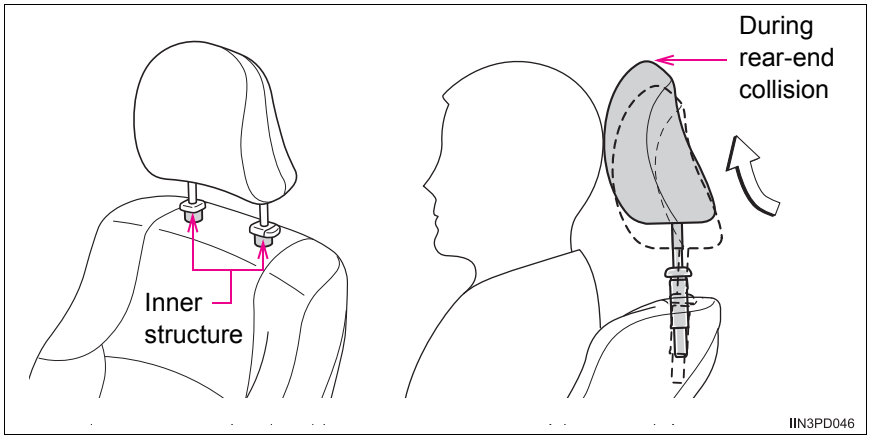


■ After passengers have entered/exited the vehicle

Lift up the seatback and slide the seat backward until it locks.

■ **Active head restraints**

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



⚠ WARNING

■ **When adjusting the seat position**

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

■ **Seat adjustment**

- To reduce the risk of sliding under the lap belt during a collision, do not recline the seat more than necessary.
  If the seat is too reclined, the lap belt may slide past the hips and apply restraint forces directly to the abdomen, or your neck may contact the shoulder belt, increasing the risk of death or serious injury in the event of an accident.
  Adjustments should not be made while driving as the seat may unexpectedly move and cause the driver to lose control of the vehicle.
- After adjusting the seat, make sure that the seat is locked in position. (manual seat only)

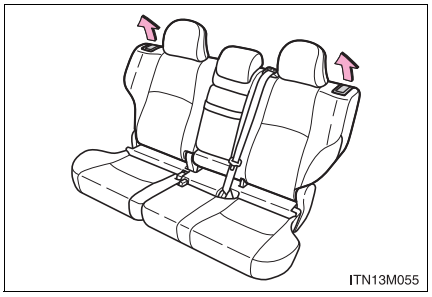
Rear seats*

Adjustment procedure

■ Second seat

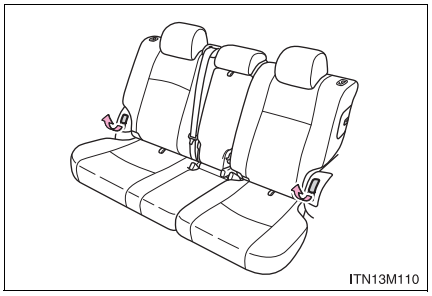
▶ 3-door models (if equipped)

Seatback angle adjustment lever



▶ 5-door models, type A (if equipped)

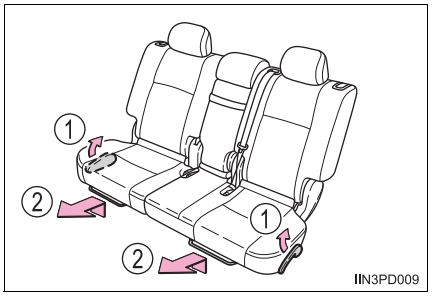
Seatback angle adjustment lever



▶ 5-door models, type B (if equipped)

① Seatback angle adjustment lever

② Seat position adjustment lever

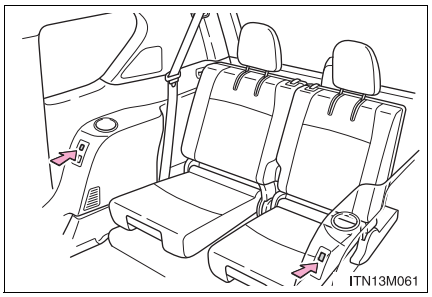


*: If equipped

■ **Third seat**

▶ Power seat (if equipped)

Seatback angle adjustment switch

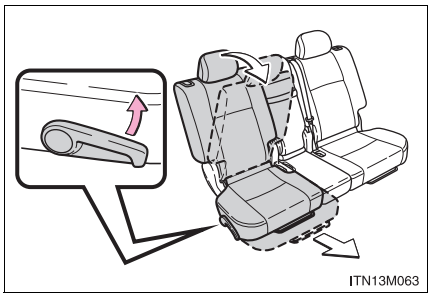


Moving a second seat for third seat or luggage compartment access (5-door models, type B)

■ **Getting in the vehicle (right side only [left-hand drive vehicles] or left side only [right-hand drive vehicles])**

Pull the seatback angle adjustment lever and fold down the seatback. The seat will slide forward.

Move the seat to the front-most position

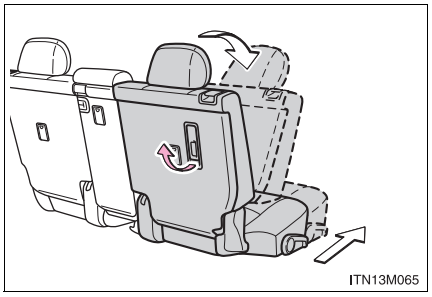


■ **Getting out of the vehicle (right side only [left-hand drive vehicles] or left side only [right-hand drive vehicles])**

Pull the release lever and fold down the seatback. The seat will slide forward.

Move the seat to the front-most position

Make sure that no passenger is seated on the second seat before pulling the release lever.



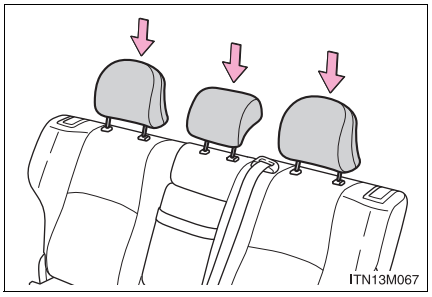
■ **After passengers have entered/exited the vehicle**

Lift up the seatback and slide the seat backward until it locks.

Tumbling the second seats (3-door models)

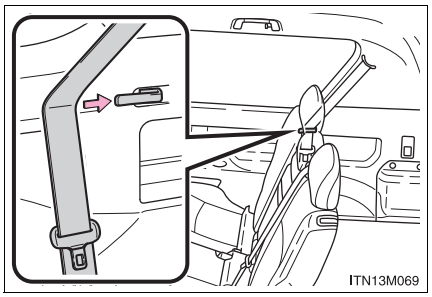
■ Before tumbling the second seats

Lower the head restraints to the lowest position.



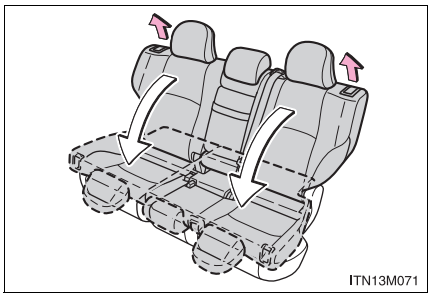
Use the seat belt hangers to prevent the belts from being tangled.

Make sure that the seat belts are removed from the hangers before using them.

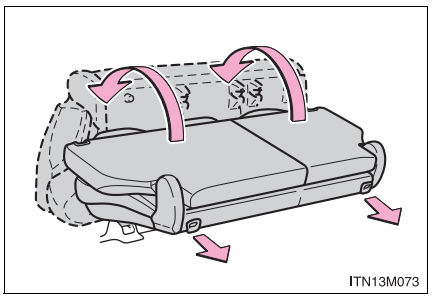


■ Tumbling the second seats

1 Pull the seatback angle lever and fold them down.

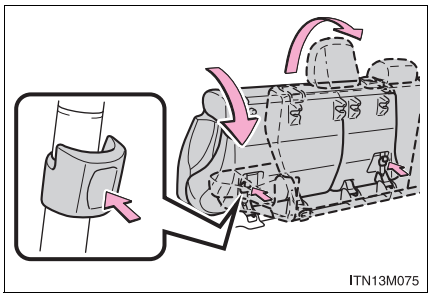


2 Pull the seat lock release lever on the back and swing the whole seat up and forward.



■ Returning the second seats

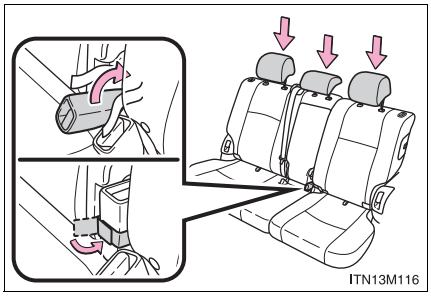
Push the knob to unlock the seat, swing the whole seat down and swing the seatback up.



Folding down the second seatbacks (5-door models, type A)

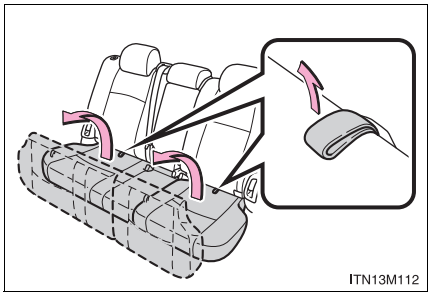
■ Before folding down the second seatbacks

Stow the center seat belt buckle with the hook-and-loop fastener and lower the head restraints to the lowest position.



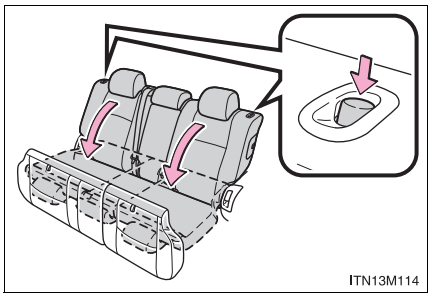
■ Folding down second seatbacks

1 Swing the bottom cushion up by pulling the lock release strap.



2 Push the seatback lock release button and fold them down.

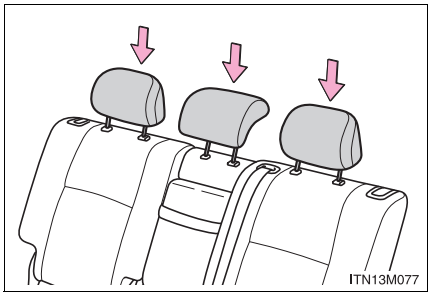
To return the second seatbacks to their original positions, lift them up until they lock.



Folding down the second seatbacks (5-door models, type B)

■ Before folding down the second seatbacks

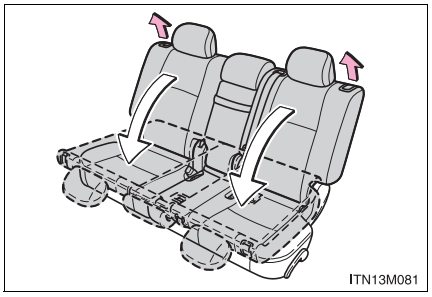
Lower the head restraints to the lowest position.



■ Folding down second seatbacks

Pull the seatback lock release lever and fold them down.

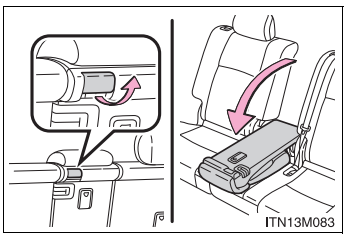
To return the second seatbacks to their original positions, lift them up until they lock.



■ **Folding down second center seatback only (5-door models)**

Pull the center seatback lock release lever behind the seatback and fold it down.

To return the center seatback to its original position, lift it up until it locks.

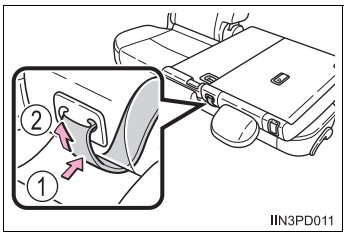


■ **If you cannot raise the seatback**

Release the seat belt lock by:

① Pushing on the lower front edge of the seatback to slacken the seat belt.

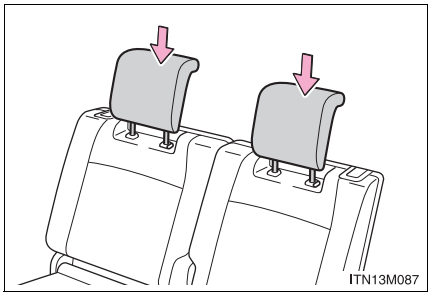
② Let the seat belt retract a little.



Folding down the third seats (manual seat)

■ Before folding down the third seats

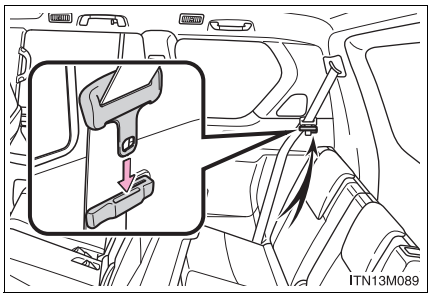
Lower the head restraints to the lowest position.



Pass the seat belts through the seat belt hangers and secure the seat belt plates.

This prevents the shoulder belt from being damage.

Make sure that the seat belts are removed from the hangers before using them.

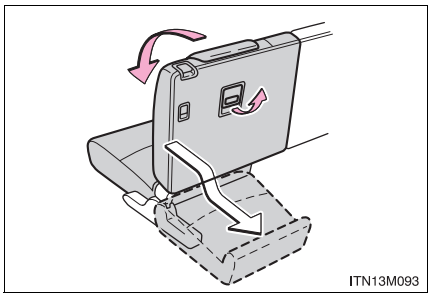


■ Folding down the third seats

▶ From back door side

Pull the seat cushion/seatback lock release lever and fold the seatback down.

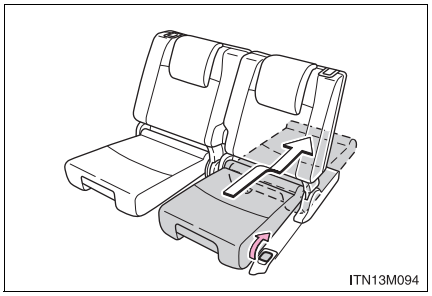
The seat cushion is stowed automatically.



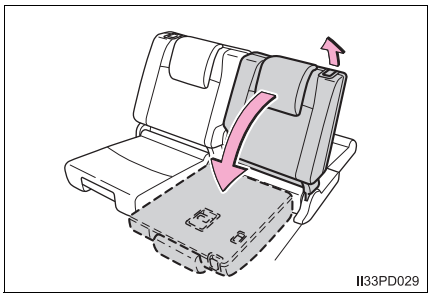
▶ From rear door side

1 Pull the seat cushion lock release lever.

The seat cushion is stowed automatically.

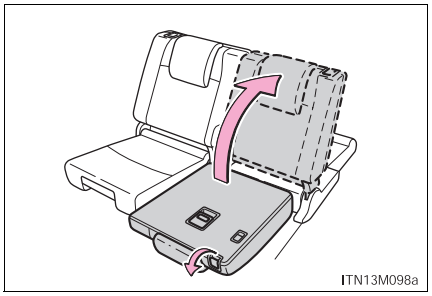


2 Pull the seatback lock release lever and fold them down.

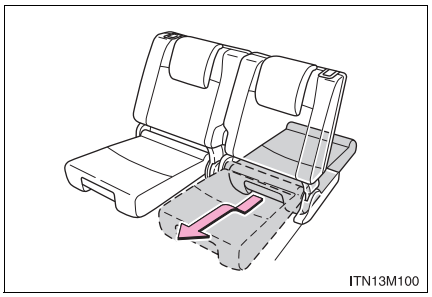


■ Returning the third seats

1 From rear door side, unlock the seatbacks by pulling the lock release lever, and lift them up until they lock.

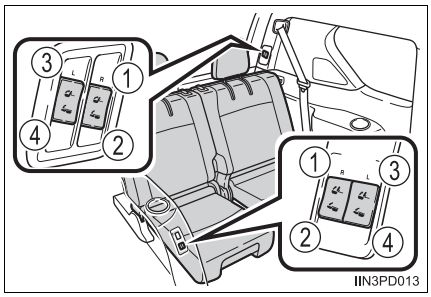


2 Pull the grip and carry the seat cushions out.

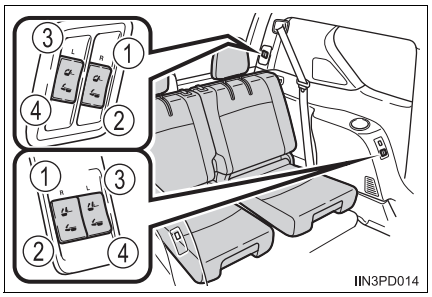


Folding down the third seats (power seat)

▶ Left-hand drive vehicles



▶ Right-hand drive vehicles



① Right seat return switch

② Right seat fold switch

③ Left seat return switch

④ Left seat fold switch

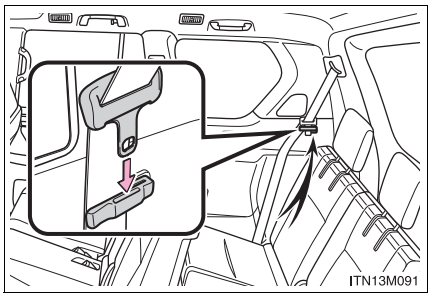
The switches can be operated from both the rear door side and the back door side.

■ Before folding down the third seats

Pass the seat belts through the seat belt hangers and secure the seat belt plates.

This prevents the shoulder belt from being damage.

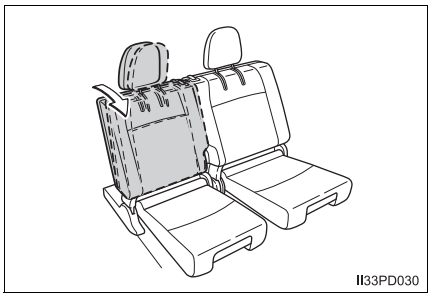
Make sure that the seat belts are removed from the hangers before using them.



■ Folding down the third seats

1 Press and hold . Two beeps sound and the seatback will rise.

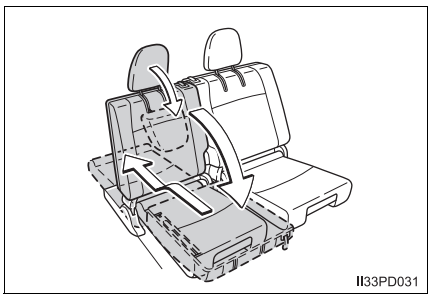
When operating is completed, two beeps sound again.



2 Press and hold  again.

Two beeps sound, the head restraints will fold forward, and the seat will be stowed.

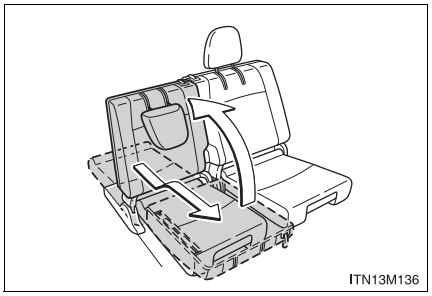
When operating is completed, two beeps sound again.



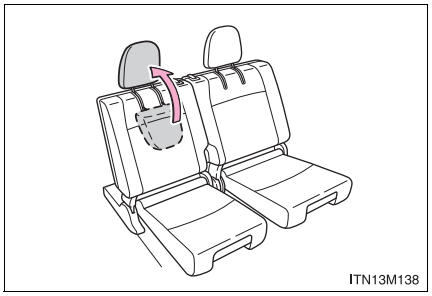
■ Returning the third seats

1 Press and hold .

Two beeps sound and seatback and seat cushion begin to move. When operating is completed, two beeps sound again.



2 Lift the head restraints up until they lock.



■ **The third power seats can be operated when**

- The engine switch is off.
- The shift lever is in P position (vehicles with an automatic transmission) or the parking brake is applied (vehicles with a manual transmission) with the engine switch in IGNITION ON mode.

■ **During third power seat stowing operation**

Do not remove your hand from the switch until the operation stops automatically. If you remove your hand from the switch, the operation will stop and the buzzer will sound continuously. The buzzer will stop when the switch is pressed again.

■ **Enlarging the luggage compartment (vehicles with third power seats)**

The third seat can be used for sitting when it is in the position shown in step 2 of the folding down the third seats. (→P. 205)
This can be convenient for enlarging the luggage compartment, for instance when the luggage is against the back of the seatback.

■ **If the warning buzzer sounds continuously (vehicles with third power seats)**

If there is an abnormality in the system, the warning buzzer will sound continuously while the engine switch is in IGNITION ON mode. In this case, perform the following operations:

1 Press and hold  to return the seat.

2 Press and hold  to stow the seat.

For each step, wait until the seat movement stops automatically and the two beeps sound twice before removing your hand from the switch.

If the warning buzzer does not stop even after performing the above procedure correctly, perform the following operations:

3 Press and hold  on the rear door side. (The switches on the back door side are not be used.)

4 While holding , press forward on  5 times within 10 seconds.
After the buzzer beeps three times, the beep will then sound continuously again.

5 Repeat step 1 and 2.

WARNING

■ **When folding the seatbacks down**

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

- Do not fold the seatbacks down while driving.
- Stop the vehicle on level ground, set the parking brake and shift the shift lever to P (automatic transmission) or N (manual transmission).
- Do not allow anyone to sit on a folded seatback or in the luggage compartment while driving.
- Do not allow children to enter the luggage compartment.

■ **Seat adjustment**

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

- To reduce the risk of sliding under the lap belt during a collision, do not recline the seat more than necessary.
  If the seat is too reclined, the lap belt may slide past the hips and apply restraint forces directly to the abdomen, or your neck may contact the shoulder belt, increasing the risk of death or serious injury in the event of an accident.
  Adjustments should not be made while driving as the seat may unexpectedly move and cause the driver to lose control of the vehicle.
- Be careful not to get hands or feet pinched between the rear console box and the second seat when folding down the seatback.

WARNING

■ **When stowing the third seats**

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

- Check that there is no luggage and that there are no other people around the seat before stowing operation.
- Conduct the procedure slowly and carefully (vehicles with manual third seats).
- Do not insert hands or feet into the moving parts of the seat.
- Do not allow children to operate the seat.
- Do not use the seat if only the seat cushion has been stowed (vehicles with manual third seats).

■ **After returning the seatbacks to the upright position**

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

- Make sure the seatback is securely locked by pushing it forward and rearward on the top. (except for third power seats)
- Check that the seat belts are not twisted or caught in the seatback.

NOTICE

■ **When returning the third seat (vehicles with a luggage cover)**

If the luggage cover is installed in the luggage compartment, make sure you remove it before returning the third seat (→P. 576). The luggage cover may be damaged by the seat.

Driving position memory*

This feature automatically adjusts the driver's seat, steering wheel and outside rear view mirrors to suit your preferences.

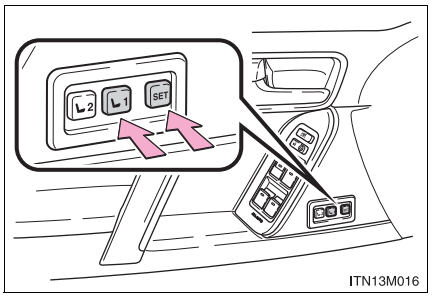
Driving position memory

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

■ Recording procedure

1. Vehicles with an automatic transmission:
   Check that the shift lever is in P.
   Vehicles with a manual transmission:
   Check that the parking brake is set.
2. Vehicles without a smart entry & start system:
   Turn the engine switch to the "ON" position.
   Vehicles with a smart entry & start system:
   Turn the engine switch to IGNITION ON mode.
3. Adjust the driver's seat, steering wheel and outside rear view mirrors to the desired positions.
4. While pressing the "SET" button, or within 3 seconds after the "SET" button is pressed, press button "1" or "2" until the buzzer sounds.

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



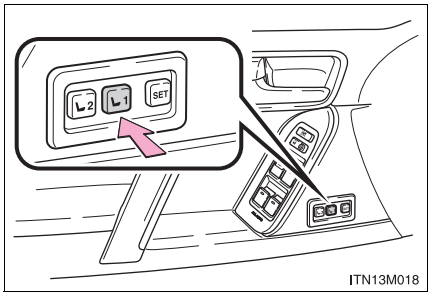
*: If equipped

■ **Recall procedure**

1 Vehicles with an automatic transmission:
Check that the shift lever is in P.
Vehicles with a manual transmission:
Check that the parking brake is set.

2 Vehicles without a smart entry & start system:
Turn the engine switch to the “ON” position.
Vehicles with a smart entry & start system:
Turn the engine switch to IGNITION ON mode.

3 Press button “1” or “2” for the driving position you want to recall until the buzzer sounds.



■ **To stop the position recall operation part-way through**

Perform any of the following:

- Press the “SET” button.
- Press button “1” or “2”.
- Operate any of the seat adjustment switches (only cancels seat position recall).
- Operate the tilt and telescopic steering control switch (only cancels steering wheel position recall).

■ **Seat positions that can be memorized (→P. 193)**

The adjusted positions other than the position adjusted by lumbar support switch can be recorded.

■ **Operating the driving position memory after turning the engine switch off**

Recorded seat positions can be activated up to 180 seconds after the driver’s door is opened and another 60 seconds after it is closed again.

■ **In order to correctly use the driving position memory function**

If a seat position is already in the furthest possible position and the seat is operated in the same direction, the recorded position may be slightly different when it is recalled.

Memory recall function (vehicles with a smart entry & start system)

Each electronic key can be registered to recall your preferred driving position.

■ Registering procedure

Record your driving position to button “1” or “2” before performing the following:

Carry only the key to which you want to register, and then close the driver’s door. If 2 or more keys are in the vehicle, the driving position cannot be recorded properly.

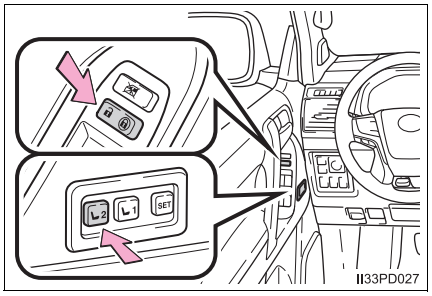
1 Vehicles with an automatic transmission:
Check that the shift lever is in P.
Vehicles with a manual transmission:
Check that the parking brake is set.

2 Turn the engine switch to IGNITION ON mode.

3 Recall the driving position that you want to record.

4 While pressing the recalled button, press and hold the driver’s door lock switch (either lock or unlock) until the signal beeps.

If the button could not be registered, the buzzer sounds continuously for approximately 3 seconds.



■ Recall procedure

Make sure that the doors are locked before recalling the driving position. Carry the electronic key that has been registered to the driving position, and then unlock and open the driver’s door using the smart entry & start system or wireless remote control.

The driving position will move to the recorded position.

If the driving position is in a position that has already been recorded, the seat and outside rear view mirrors will not move.

■ **Cancelation procedure**

Carry only the key you want to cancel and then close the driver's door.

If 2 or more keys are in the vehicle, the driving position cannot be canceled properly.

1 Turn the engine switch to IGNITION ON mode.

2 While pressing "SET" button, press and hold the driver's door lock switch (either lock or unlock) until the buzzer sounds twice.

■ **Recalling the driving position using the memory recall function**

- Different driving positions can be registered for each electronic key. Therefore, the driving position that is recalled may be different depending on the key being carried.
- If a door other than the driver's door is unlocked with the smart entry & start system, the driving position cannot be recalled. In this case, press the driving position button which has been set.

■ **Customization**

The unlock door settings of the memory recall function can be customized. (Customizable features: →P. 812)

⚠ WARNING

■ **Seat adjustment caution**

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

Head restraints

Head restraints are provided for all seats.

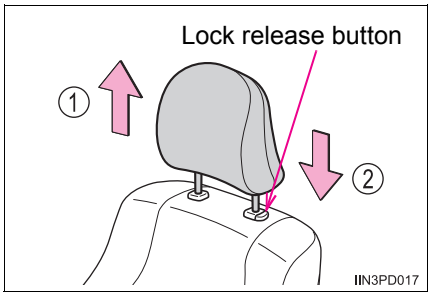
Front, second and third manual seats (if equipped)

① Up

Pull the head restraints up.

② Down

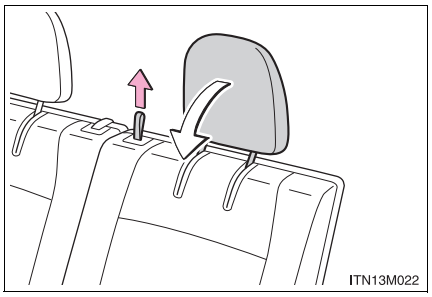
Push the head restraint down while pushing the lock release button.



Third power seats (if equipped)

To fold the head restraints, pull the lock release strap.

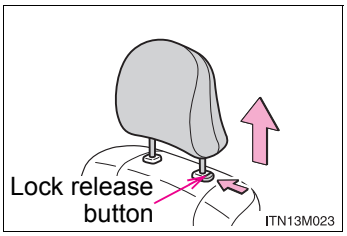
To return the head restraints, lift them up until they lock.



■ Removing the head restraints

▶ Front, second and third manual seats

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



▶ Third power seats

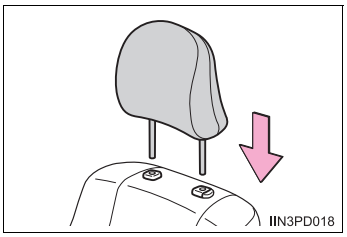
The head restraint cannot be removed.

Installing the head restraints (front, second and third manual seats)

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

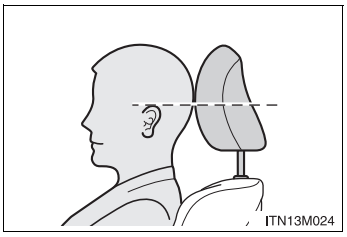
Press and hold the lock release button when lowering the head restraint.*

*: If equipped



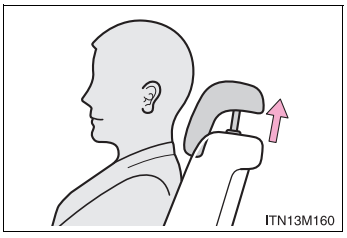
Adjusting the height of the head restraints

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



Using the second center, second outer (5-door models without third seats) and third manual seat head restraints

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



Using the third power seats head restraints (if equipped)

Always lift the head restraints up until they lock when using.

WARNING

■ Head restraint precautions

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

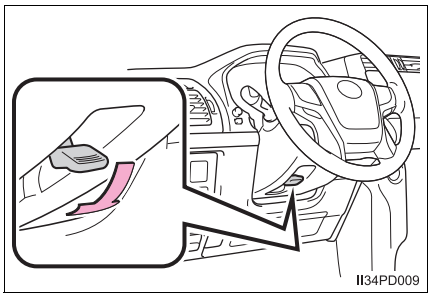
- Use the head restraints designed for each respective seat.
- Adjust the head restraints to the correct position at all times.
- After adjusting the head restraints, push down on them and make sure they are locked in position.
- Do not drive with the head restraints removed.

Steering wheel

Adjustment procedure

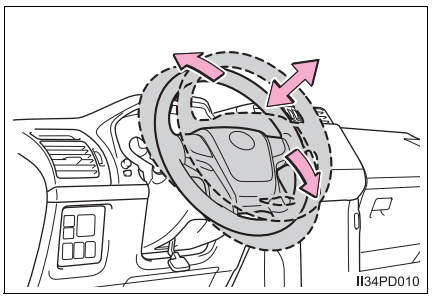
▶ Manual adjustment type

1 Hold the steering wheel and pull the lever down.



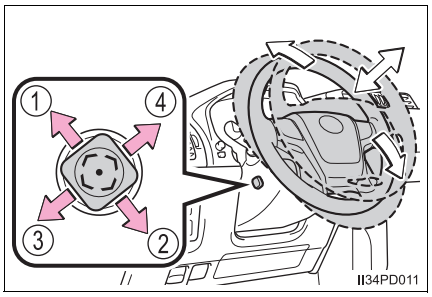
2 Adjust to the ideal position by moving the steering wheel horizontally and vertically.

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



▶ Power adjustment type

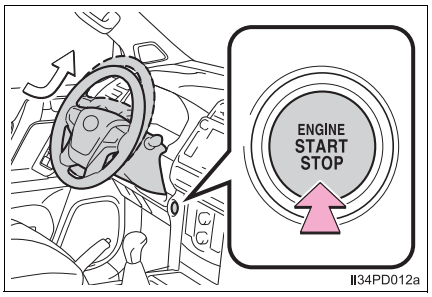
① Up
② Down
③ Away from the driver
④ Toward the driver



Auto tilt away (power adjustment type)

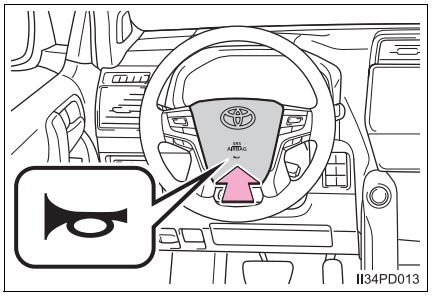
When the engine switch is turned off, the steering wheel returns to its stowed position by moving up and away to enable easier driver entry and exit.

Turning the engine switch to ACCESSORY or IGNITION ON mode will return the steering wheel to the original position.



Horn

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



■ **The power adjustment type steering wheel can be adjusted when**

The engine switch is in ACCESSORY or IGNITION ON mode.

■ **Automatic adjustment of the steering position**

A desired steering position can be entered to memory and recalled automatically by the driving position memory system. (→P. 210)

■ **After adjusting the steering wheel (manual adjustment type)**

Make sure that the steering wheel is securely locked.

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

WARNING

■ **Caution while driving**

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

■ **After adjusting the steering wheel (manual adjustment type)**

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

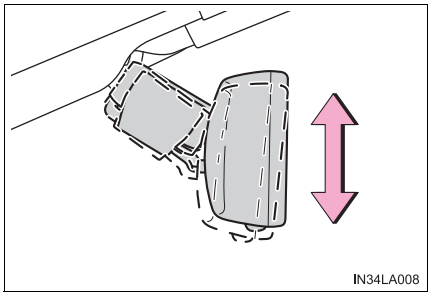
Inside rear view mirror

The rear view mirror's position can be adjusted to enable sufficient confirmation of the rear view.

Adjusting the height of rear view mirror

The height of the rear view mirror can be adjusted to suit your driving posture.

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



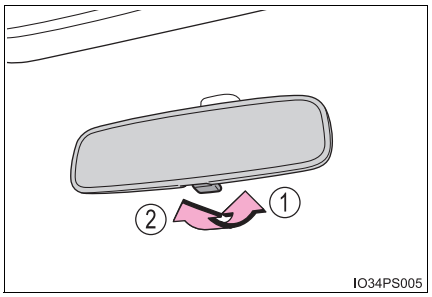
Anti-glare function

▶ Manual anti-glare inside rear view mirror

Reflected light from the headlights of vehicles behind can be reduced by operating the lever.

① Normal position

② Anti-glare position



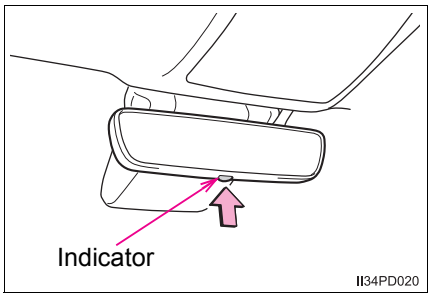
▶ Auto anti-glare inside rear view mirror

Responding to the level of brightness of the headlights of vehicles behind, the reflected light is automatically reduced.

Changing automatic anti-glare function mode

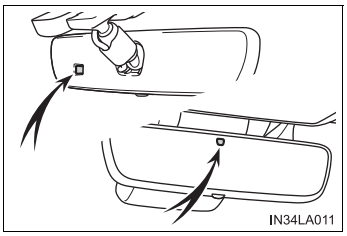
On/off

When the automatic anti-glare function is in ON mode, the indicator illuminates.
The function will set to ON mode each time the engine switch is turned to IGNITION ON mode.
Pressing the button turns the function to OFF mode. (The indicator also turns off.)



■ To prevent sensor error (vehicles with auto anti-glare inside rear view mirror)

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



⚠ WARNING

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

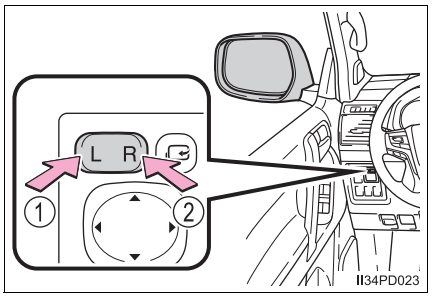
Adjustment procedure

▶ Left-hand drive vehicles (type A)

1 To select a mirror to adjust, press the switch.

① Left

② Right



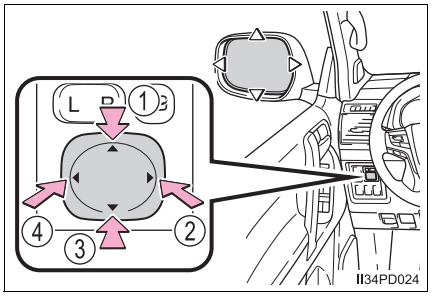
2 To adjust the mirror, press the switch.

① Up

② Right

③ Down

④ Left

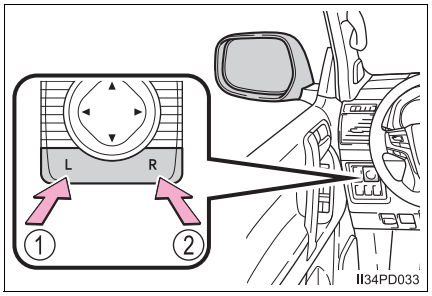


▶ Left-hand drive vehicles (type B)

1 To select a mirror to adjust, press the switch.

① Left

② Right



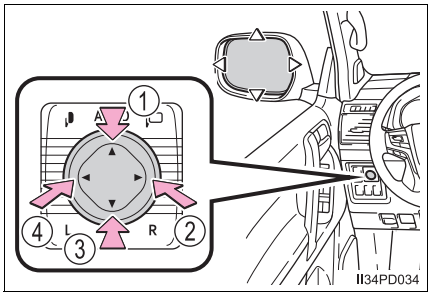
2 To adjust the mirror, press the switch.

① Up

② Right

③ Down

④ Left

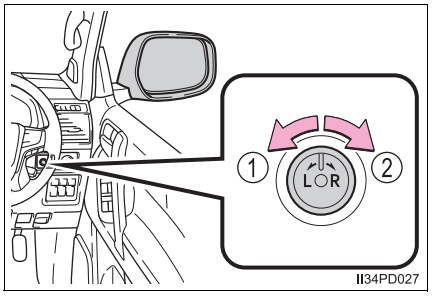


▶ Right-hand drive vehicles

1 To select a mirror to adjust, turn the switch.

① Left

② Right



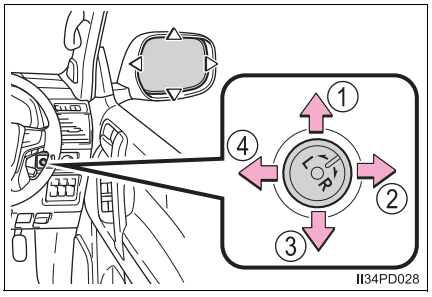
2 To adjust the mirror, operate the switch.

① Up

② Right

③ Down

④ Left

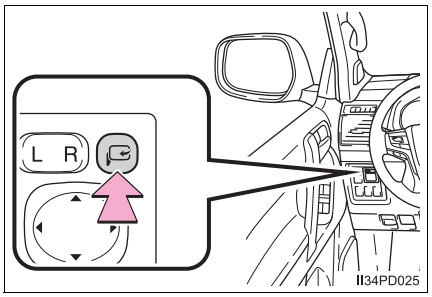


Folding and extending the mirrors

▶ Left-hand drive vehicles (type A)

Press the switch to fold the mirrors.

Press it again to extend them to the original position.



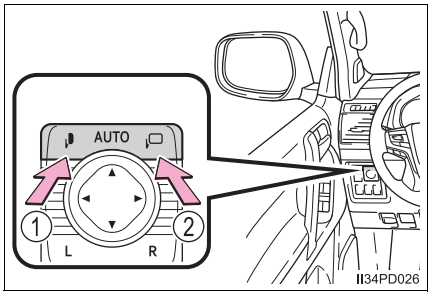
▶ Left-hand drive vehicles (type B)

Automatic mode allows the folding or extending of the mirrors to be linked to locking/unlocking of the doors.

① Folds the mirrors

② Extends the mirrors

Putting the outside rear view mirror folding switch is in neutral position sets the mirrors in automatic mode.



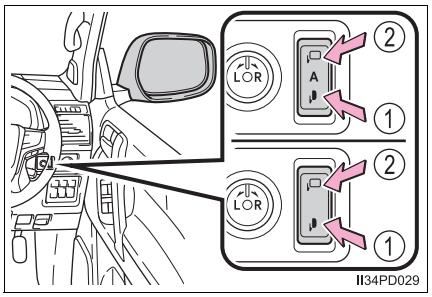
▶ Right-hand drive vehicles

① Folds the mirrors

② Extends the mirrors

Vehicles with automatic mode:
Putting the outside rear view mirror folding switch is in neutral position sets the mirrors in automatic mode.

Automatic mode allows the folding or extending of the mirrors to be linked to locking/unlocking of the doors.



Linked mirror function when reversing (if equipped)

When the mirror select switch is in the L or R position, the outside rear view mirrors will automatically angle downwards when the vehicle is reversing in order to give a better view of the ground.

To disable this function, move the mirror select switch to the neutral position (between L and R).

■ Adjusting the mirror angle when the vehicle is reversing

With the shift lever in R, adjust the mirror angle at a desired position. The adjusted angle will be memorized and the mirror will automatically tilt to the memorized angle whenever the shift lever is shifted to R from next time.

The memorized downward tilt position of the mirror is linked to the normal position (angle adjusted with the shift lever in other than R). Therefore, if the normal position is changed after adjustment, the tilt position will also change. When the normal position is changed, readjust the angle in reversing.

■ Mirror angle can be adjusted when

▶ Vehicles without a smart entry & start system

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

▶ Vehicles with a smart entry & start system

The engine switch is in ACCESSORY or IGNITION ON mode.

■ When the mirrors are fogged up

Turn on the mirror defoggers to defog the mirrors. (→P. 531, 540)

Automatic adjustment of the mirror angle (vehicles with driving position memory)

A desired mirror face angle can be entered to memory and recalled automatically by the driving position memory. (→P. 210)

Using automatic mode in cold weather (if equipped)

When automatic mode is used in cold weather, the door mirror could freeze up and automatic stowing and return may not be possible. In this event, remove any ice and snow from the door mirror, then either operate the mirror using manual mode or move the mirror by hand.

Customization (if equipped)

The automatic mirror folding and extending operation can be changed. (Customizable features: →P. 809)

WARNING

Important points while driving

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

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

When a mirror is moving

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

When the mirror defoggers are operating

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

NOTICE

If ice should jam the mirror

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

Power windows

Opening and closing procedures

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

Operating the switch moves the windows as follows:

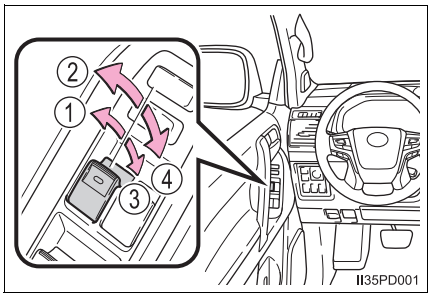
① Closing

② One-touch closing*

③ Opening

④ One-touch opening*

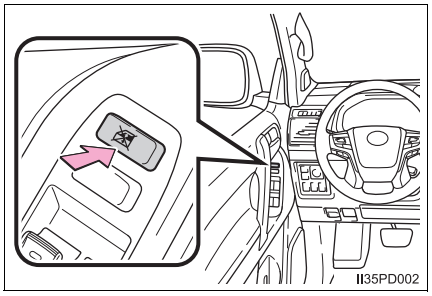
*: To stop the window partway, operate the switch in the opposite direction.



Window lock switch

Press the switch down to lock the passenger window switches.

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



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

▶ Vehicles without a smart entry & start system

The engine switch is in the “ON” position.

▶ Vehicles with a smart entry & start system

The engine switch is in IGNITION ON mode.

■ **Operating the power windows after turning the engine off**

▶ Vehicles without a smart entry & start system

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

▶ Vehicles with a smart entry & start system

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

■ **Jam protection function**

If an object becomes jammed between the window and the window frame while the window is closing, window movement is stopped and the window is opened slightly.

■ **Catch protection function**

If an object becomes caught between the door and window while the window is opening, window movement is stopped.

■ **When the window cannot be opened or closed**

When the jam protection function or catch protection function operates unusually and the door window cannot be opened or closed, perform the following operations with the power window switch of that door.

- Stop the vehicle. With the engine switch in the “ON” position (vehicles without a smart entry & start system) or IGNITION ON mode (vehicles with a smart entry & start system), within 4 seconds of the jam protection function or catch protection function activating, continuously operate the power window switch in the one-touch closing direction or one-touch opening direction so that the door window can be opened and closed.
- If the window cannot be opened and closed even when performing the above operations, perform the following procedure for function initialization.

1. Turn the engine switch to the “ON” position (vehicles without a smart entry & start system) or the engine switch to IGNITION ON mode (vehicles with a smart entry & start system).
2. Pull and hold the power window switch in the one-touch closing direction and completely close the window.
3. Release the power window switch for a moment, resume pulling the switch in the one-touch closing direction, and hold it there for approximately 6 seconds or more.
4. Press and hold the power window switch in the one-touch opening direction. After the door window is completely opened, continue holding the switch for an additional 1 second or more.
5. Release the power window switch for a moment, resume pushing the switch in the one-touch opening direction, and hold it there for approximately 4 seconds or more.
6. Pull and hold the power window switch in the one-touch closing direction again. After the window is completely closed, continue holding the switch for a further 1 second or more.

If you release the switch while the window is moving, start again from the beginning.
If the window reverses and cannot be fully closed or opened, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **Door lock linked window operation**

The power windows can be opened and closed using the wireless remote control or key if customized at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer. (→P. 146, 147)

■ **Customization**

Settings (e.g. linked door lock operation) can be changed.
(Customizable features: →P. 809)

WARNING

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

■ Closing the windows

- The driver is responsible for all the power window operations, including the operation for the passengers. In order to prevent accidental operation, especially by a child, do not let a child operate the power windows. It is possible for children and other passengers to have body parts caught in the power window. Also, when riding with a child, it is recommended to use the window lock switch. (→P. 227)
- Check to make sure that all passengers do not have any part of their body in a position where it could be caught when a window is being operated.
- When using the wireless remote control or mechanical key and operating the power windows, operate the power window after checking to make sure that there is no possibility of any passenger having any of their body parts caught in the window. Also, do not let a child operate window by the wireless remote control or mechanical key. It is possible for children and other passengers to get caught in the power window.
- When exiting the vehicle, turn the engine switch to the “LOCK” position (vehicles without a smart entry & start system) or off (vehicles with a smart entry & start system), carry the key and exit the vehicle along with the child. There may be accidental operation, due to mischief, etc., that may possibly lead to an accident.

■ Jam protection function

- Never use any part of your body to intentionally activate the up jam protection function.
- The jam protection function may not work if something gets jammed just before the window is fully closed. Be careful not to get any part of your body jammed in the window.

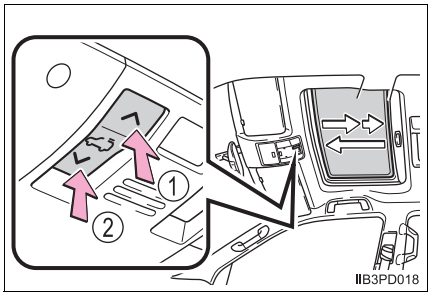
■ Catch protection function

- Never use any part of your body or clothing to intentionally activate the catch protection function.
- The catch protection function may not work if something gets caught just before the window is fully opened. Be careful not to get any part of your body or clothing caught in the window.

Moon roof*

Use the overhead switches to open and close the moon roof and tilt it up and down.

Opening and closing



① Opens the moon roof*

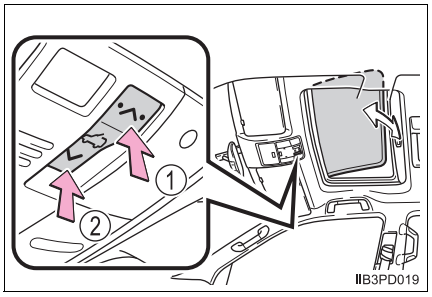
The moon roof stops slightly before the fully open position to reduce wind noise.

Press the switch again to fully open the moon roof.

② Closes the moon roof*

*: Lightly press either end of the moon roof switch to stop the moon roof partway.

Tilting up and down



① Tilts the moon roof up*

② Tilts the moon roof down*

*: Lightly press either end of the moon roof switch to stop the moon roof partway.

*: If equipped

■ **The moon roof can be operated when**

▶ Vehicles without a smart entry & start system

The engine switch is in the “ON” position.

▶ Vehicles with a smart entry & start system

The engine switch is in IGNITION ON mode.

■ **Operating the moon roof after turning the engine off**

▶ Vehicles without a smart entry & start system

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

▶ Vehicles with a smart entry & start system

The moon roof can be operated for approximately 45 seconds after the engine switch is turned to ACCESSORY mode or turned off. It cannot, however, be operated once either front door is opened.

■ **Jam protection function**

If an object is detected between the moon roof and the frame while the moon roof is closing or tilting down, travel is stopped and the moon roof opens slightly.

■ **Sunshade**

The sunshade can be opened and closed manually. However, the sunshade will open automatically when the moon roof is opened.

■ **Door lock linked moon roof operation**

The moon roof can be opened and closed using the wireless remote control or key if customized at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer. (→P. 146, 147)

■ **Moon roof open reminder function**

An alarm will sound when the driver’s door is opened with the moon roof not fully closed and the engine switch off.

■ **When the moon roof does not close normally**

Perform the following procedure:

● If the moon roof closes but then re-opens slightly

1 Stop the vehicle.

2 Press and hold “∨” on the  .*1

The moon roof will close, re-open and pause for approximately 10 seconds.*2 Then it will close again, tilt up and pause for approximately 1 second. Finally, it will tilt down, open and close.

3 Check to make sure that the moon roof is completely closed and then release the switch.

● If the moon roof tilts down but then tilts back up

1 Stop the vehicle.

2 Press and hold "∧" on the  *1 until the moon roof moves into the tilt up position and stops.

3 Release "∧" on the  once and then press and hold "∧" on the  again.*1

The moon roof will pause for approximately 10 seconds in the tilt up position.*2 Then it will adjust slightly and pause for approximately 1 second. Finally, it will tilt down, open and close.

4 Check to make sure that the moon roof is completely closed and then release the switch.

*1: If the switch is released at the incorrect time, the procedure will have to be performed again from the beginning.

*2: If the switch is released after the above mentioned 10 second pause, automatic operation will be disabled. In that case, press and hold "∨" on the  or "∧" on the  and the moon roof will tilt up and pause for approximately 1 second. Then it will tilt down, open and close. Check to make sure that the moon roof is completely closed and then release the switch.

If the moon roof does not fully close even after performing the above procedure correctly, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **Customization**

Settings (e.g. linked door lock operation) can be changed.
(Customizable features: →P. 809)

⚠ WARNING

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

■ Opening the moon roof

- Do not allow any passengers to put their hands or heads outside the vehicle while it is moving.
- Do not sit on top of the moon roof.

■ Closing the moon roof

- The driver is responsible for moon roof opening and closing operations. In order to prevent accidental operation, especially by a child, do not let a child operate the moon roof. It is possible for children and other passengers to have body parts caught in the moon roof.
- Check to make sure that all passengers do not have any part of their bodies in a position where it could be caught when the moon roof is being operated.
- When using the wireless remote control or mechanical key and operating the moon roof, operate the moon roof after checking to make sure that there is no possibility of any passenger having any of their body parts caught in the moon roof. Also, do not let a child operate moon roof by the wireless remote control or mechanical key. It is possible for children and other passengers to get caught in the moon roof.
- When exiting the vehicle, turn the engine switch to the “LOCK” position (vehicles without a smart entry & start system) or off (vehicles with a smart entry & start system), carry the key and exit the vehicle along with the child. There may be accidental operation, due to mischief, etc., that may possibly lead to an accident.

■ Jam protection function

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

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Driving the vehicle

The following procedures should be observed to ensure safe driving:

Starting the engine

→P. 264, 268

Driving

▶ Automatic transmission

1 With the brake pedal depressed, shift the shift lever to D. (→P. 278)

2 Release the parking brake. (→P. 289)

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

▶ Manual transmission

1 While depressing the clutch pedal, shift the shift lever to 1. (→P. 284)

2 Release the parking brake. (→P. 289)

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

Stopping

▶ Automatic transmission

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

2 If necessary, set the parking brake.

If the vehicle is to be stopped for an extended period of time, shift the shift lever to P or N. (→P. 278)

▶ Manual transmission

1 While depressing the clutch pedal, depress the brake pedal.

2 If necessary, set the parking brake.

If the vehicle is to be stopped for an extended period of time, shift the shift lever to N. (→P. 284)

Parking the vehicle

▶ Automatic transmission

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

2 Set the parking brake (→P. 289), and shift the shift lever to P (→P. 278).

3 Vehicles without a smart entry & start system:
Turn the engine switch to the “LOCK” position to stop the engine.
Vehicles with a smart entry & start system:
Press the engine switch to stop the engine.

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

If parking on a hill, block the wheels as needed.

▶ Manual transmission

1 While depressing the clutch pedal, depress the brake pedal.

2 Shift the shift lever to N. (→P. 284)

3 Set the parking brake. (→P. 289)

If parking on a hill, shift the shift lever to 1 or R as needed.

4 Vehicles without a smart entry & start system:
Turn the engine switch to the “LOCK” position to stop the engine.
Vehicles with a smart entry & start system:
Press the engine switch to stop the engine.

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

If parking on a hill, block the wheels as needed.

Starting off on a steep uphill

▶ Automatic transmission

1 Make sure that the parking brake is set and shift the shift lever to D.

2 Gently depress the accelerator pedal.

3 Release the parking brake.

▶ Manual transmission

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

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

3 Release the parking brake.

■ **When starting off on a uphill**

The hill-start assist control is available. (→Refer to the “Off-road Driving Owner’s Manual”)

■ **Driving in the rain**

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

■ **Engine speed while driving (automatic transmission)**

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

- The vehicle is judged to be driving uphill or downhill
- When the accelerator pedal is released

■ **Restraining engine output (Brake Override System)**

- When the accelerator and brake pedals are depressed at the same time, the engine output may be restrained.
- Vehicles with multi-information display type A: A warning light comes on while the system is operating. (→P. 701)
- Vehicles with multi-information display type B: A warning message is displayed on the multi-information display while the system is operating. (→P. 701)

■ **Restraining sudden start (Drive-Start Control) (automatic transmission)**

● When the following unusual operation is performed, the engine output may be restrained.

- Vehicles with multi-information display type A: When the shift position is shifted from R to D, D to R, N to R, P to D, P to R (D includes S) with the accelerator pedal depressed, a warning light comes on while the system is operating. (→P. 701)
- Vehicles with multi-information display type B: When the shift position is shifted from R to D, D to R, N to R, P to D, P to R (D includes S) with the accelerator pedal depressed, a warning message is displayed on the multi-information display while the system is operating. If a warning message is shown on the multi-information display, read the message and follow the instructions.
- When the accelerator pedal is depressed too much while the vehicle is in reverse.

● While Drive-Start Control is being activated, your vehicle may have trouble escaping from the mud or fresh snow. In such case, perform the following actions to cancel Drive Start Control so that the vehicle may become able to escape from the mud or fresh snow.

- Deactivate TRC (→P. 444)

▶ 1GR-FE, 1GD-FTV and 1KD-FTV engines

- Put the four-wheel drive control switch in L4.*
- Push the center differential lock/unlock switch to lock the center differential.*

▶ 2TR-FE engine

- Put the four-wheel drive control switch in H4L or L4L.*

*: Refer to the “Off-road Driving Owner’s Manual”

■ **Breaking in your new Toyota**

To extend the life of the vehicle, observing the following precautions is recommended:

● For the first 300 km (200 miles):
Avoid sudden stops.

● For the first 800 km (500 miles):
Do not tow a trailer.

● For the first 1000 km (600 miles):

- Do not drive at extremely high speeds.
- Avoid sudden acceleration.
- Do not drive continuously in the low gears.
- Do not drive at a constant speed for extended periods.
- Do not drive slowly with the manual transmission in a high gear.

■ **Drum-in-disc type parking brake system**

Your vehicle has a drum-in-disc type parking brake system.
This type of brake system needs bedding-down of the brake shoes periodically or whenever the parking brake shoes and/or drum are replaced.
Have any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer perform the bedding-down operation.

■ **Idling time before stopping the engine (diesel engine)**

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

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

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

Comply with the relevant vehicle registration laws and confirm the availability of the correct fuel. (→P. 778)

WARNING

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

■ When starting the vehicle

On 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.

■ When driving the vehicle

- Do not drive if you are unfamiliar with the location of the brake and accelerator pedals to avoid depressing the wrong pedal.
  - Accidentally depressing the accelerator pedal instead of the brake pedal will result in sudden acceleration that may lead to an accident.
  - When backing up, you may twist your body around, leading to a difficulty in operating the pedals. Make sure to operate the pedals properly.
  - Make sure to keep a correct driving posture even when moving the vehicle only slightly. This allows you to depress the brake and accelerator pedals properly.
  - Depress the brake pedal using your right foot. Depressing the brake pedal using your left foot may delay response in an emergency, resulting in an accident.
- Do not drive the vehicle over or stop the vehicle near flammable materials. The exhaust system and exhaust gases can be extremely hot. These hot parts may cause a fire if there is any flammable material nearby.

WARNING

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

When driving the vehicle

- 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. 685
- 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. 279)
- Do not adjust the positions of the steering wheel, the seat, or the inside or outside rear view mirrors while driving.
  Doing so may result in a loss of vehicle control.
- Always check that all passengers' arms, heads or other parts of their body are not outside the vehicle.

WARNING

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

When driving on slippery road surfaces

- Sudden braking, acceleration and steering may cause tire slippage and reduce your ability to control the vehicle.
- Sudden acceleration, engine braking due to shifting, or changes in engine speed could cause the vehicle to skid.
- After driving through a puddle, lightly depress the brake pedal to make sure that the brakes are functioning properly. Wet brake pads may prevent the brakes from functioning properly. If the brakes on only one side are wet and not functioning properly, steering control may be affected.

When shifting the shift lever

- On 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.
- 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.
- Do not shift the shift lever to R while the vehicle is moving forward.
  Doing so can damage the transmission and may result in a loss of vehicle control.
- Do not shift the shift lever to a driving position while the vehicle is moving backward.
  Doing so can damage the transmission and may result in a loss of vehicle control.
- Moving the shift lever to N while the vehicle is moving will disengage the engine from the transmission.
  Engine braking is not available when N is selected.
- On vehicles with an automatic transmission, be careful not to shift the shift lever with the accelerator pedal depressed. Shifting the shift lever to a gear other than P or N may lead to unexpected rapid acceleration of the vehicle that may cause an accident and result in death or serious injury.

WARNING

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

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

Have the brake pads checked and replaced by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer as soon as possible.
Rotor damage may result if the pads are not replaced when needed.

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

■ **When the vehicle is stopped**

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

WARNING

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

■ When the vehicle is parked

- Do not leave glasses, cigarette lighters, spray cans, or soft drink cans in the vehicle when it is in the sun.
  Doing so may result in the following:
  - Gas may leak from a cigarette lighter or spray can, and may lead to a fire.
  - The temperature inside the vehicle may cause the plastic lenses and plastic material of glasses to deform or crack.
  - Soft drink cans may fracture, causing the contents to spray over the interior of the vehicle, and may also cause a short circuit in the vehicle's electrical components.
- Do not leave cigarette lighters in the vehicle. If a cigarette lighter is in a place such as the glove box or on the floor, it may be lit accidentally when luggage is loaded or the seat is adjusted, causing a fire.
- Do not attach adhesive discs to the windshield or windows. Do not place containers such as air fresheners on the instrument panel or dashboard. Adhesive discs or containers may act as lenses, causing a fire in the vehicle.
- Do not leave a door or window open if the curved glass is coated with a metallized film such as a silver-colored one. Reflected sunlight may cause the glass to act as a lens, causing a fire.
- Always apply the parking brake, shift the shift lever to P (vehicles with an automatic transmission only), stop the engine and lock the vehicle.
  Do not leave the vehicle unattended while the engine is running.
  If the vehicle is parked with the shift lever in P but the parking brake is not set, the vehicle may start to move, possibly leading to an accident.
- Do not touch the exhaust pipes while the engine is running or immediately after turning the engine off.
  Doing so may cause burns.

WARNING

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

When taking a nap in the vehicle

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

When braking

- When the brakes are wet, drive more cautiously.
  Braking distance increases when the brakes are wet, and this may cause one side of the vehicle to brake differently than the other side. Also, the parking brake may not securely hold the vehicle.
- If the brake booster device does not operate, do not follow other vehicles closely and avoid hills or sharp turns that require braking. In this case, braking is still possible, but the brake pedal should be depressed more firmly than usual. Also, the braking distance will increase. Have your brakes fixed immediately.
- Do not pump the brake pedal if the engine stalls.
  Each push on the brake pedal uses up the reserve for the power-assisted brakes.
- The brake system consists of 2 individual hydraulic systems: If one of the systems fails, the other will still operate. In this case, the brake pedal should be depressed more firmly than usual and the braking distance will increase.
  Have your brakes fixed immediately.

If the vehicle becomes stuck

Do not spin the wheels excessively when any of the tires is up in the air, or the vehicle is stuck in sand, mud, etc. This may damage the driveline components or propel the vehicle forward or backward, causing an accident.

NOTICE

■ When driving the vehicle

▶ Automatic transmission

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

▶ Manual transmission

- Do not depress the accelerator and brake pedals at the same time during driving, as this may restrain the engine output.
- Do not shift gears unless the clutch pedal is fully depressed. After shifting, do not release the clutch abruptly. Doing so may damage the clutch, transmission and gears.
- Observe the following to prevent the clutch from being damaged.
  - Do not rest your foot on the clutch pedal while driving.
    Doing so may cause clutch trouble.
  - Do not use any gear other than the 1st 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.
- Do not shift the shift lever to R when the vehicle is still moving. Doing so may damage the clutch, transmission and gears.

NOTICE

When parking the vehicle (vehicles with an automatic transmission)

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

Avoiding damage to vehicle parts

- Do not turn the steering wheel fully in either direction and hold it there for an extended period of time.
  Doing so may damage the power steering pump.
- When driving over bumps in the road, drive as slowly as possible to avoid damaging the wheels, underside of the vehicle, etc.
- Diesel engine only: Make sure to idle the engine immediately after high-speed driving or hill climbing. Stop the engine only after the turbocharger has cooled down.
  Failure to do so may cause damage to the turbocharger.

If you get a flat tire while driving

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

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

Information on what to do in case of a flat tire. (→P. 730)

When encountering flooded roads

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

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

In the event that you drive on a flooded road and the vehicle is flooded, be sure to have any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer check the following:

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

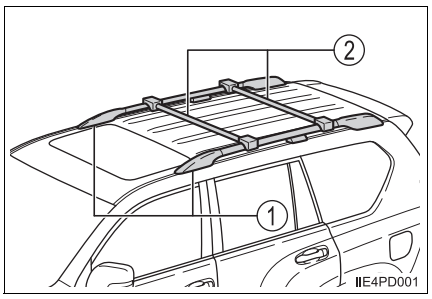
Cargo and luggage

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

Roof luggage carrier (if equipped)

■ Roof luggage carrier components

① Roof rail
② Cross rail



⚠ WARNING

■ Things that must not be carried in the luggage compartment

The following things may cause a fire if loaded in the luggage compartment:

- Receptacles containing gasoline
- Aerosol cans

WARNING

■ **Storage precautions**

Observe the following precautions.
Failure to do so may prevent the pedals from being depressed properly, may block the driver's vision, or may result in items hitting the driver or passengers, possibly causing an accident.

- Stow cargo and luggage in the luggage compartment whenever possible.
- Do not stack anything in the luggage compartment higher than the seatbacks.
- Do not place cargo or luggage in or on the following locations.
  - At the feet of the driver
  - On the front passenger or rear seats (when stacking items)
  - On the luggage cover (if equipped)
  - On the instrument panel
  - On the dashboard
- Secure all items in the occupant compartment.
- When you fold down the rear seats, long items should not be placed directly behind the front seats.
- Never allow anyone to ride in the luggage compartment. It is not designed for passengers. They should ride in their seats with their seat belts properly fastened. Otherwise, they are much more likely to suffer death or serious bodily injury, in the event of sudden braking, sudden swerving or an accident.

■ **Load and distribution**

- Do not overload your vehicle.
- Do not apply loads unevenly.
  Improper loading may cause deterioration of steering or braking control which may cause death or serious injury.

WARNING

■ **Roof luggage carrier precautions (if equipped)**

To use the roof rails as a roof luggage carrier, you must fit the roof rails with two or more genuine Toyota cross rails or their equivalent.
Follow the manufacturer's instructions and precautions when installing the cross rails or their equivalent.

When you load cargo on the roof luggage carrier, observe the following:

- Place the cargo so that its weight is distributed evenly between the front and rear axles.
- If loading long or wide cargo, never exceed the vehicle overall length or width. (→P. 772)
- Before driving, make sure the cargo is securely fastened on the roof luggage carrier.
- Loading cargo on the roof luggage carrier will make the center of gravity of the vehicle higher. Avoid high speeds, sudden starts, sharp turns, sudden braking or abrupt maneuvers, otherwise it may result in loss of control or vehicle rollover due to failure to operate this vehicle correctly and result in death or serious injury.
- If driving for a long distance, on rough roads, or at high speeds, stop the vehicle now and then during the trip to make sure the cargo remains in its place.
- Do not exceed 80 kg (176 lb.) cargo weight on the roof luggage carrier.

NOTICE

■ **When loading cargo on the roof luggage carrier (if equipped)**

Be careful not to scratch the surface of the moon roof (if equipped).

Trailer towing (with towing hitch)*

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

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

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

Ask your local authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer for further details before towing, as there are additional legal requirements in some countries.

◆ Weight limits

Check the allowable towing capacity, GVM (Gross Vehicle Mass), MPAC (Maximum Permissible Axle Capacity), and permissible drawbar load before towing. (→P. 772)

◆ Towing hitch/bracket

Toyota recommends the use of the Toyota hitch/bracket for your vehicle. Other products of a suitable nature and comparable quality may also be used.

◆ To prevent an accident

The handling of the vehicle will feel different when towing a trailer. Beware of the 3 most common causes of towing-related accidents: driver error, excessive speed, and overloading.

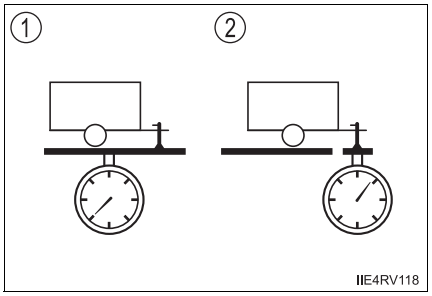
*: If equipped

Connecting trailer lights

Use the wire harness stored in the rear end.

Important points regarding trailer loads

■ Total trailer weight and permissible drawbar load



① Total trailer weight

Weight of the trailer itself plus the trailer load should be within the maximum towing capacity. Exceeding this weight is dangerous. (→P. 772)

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

When the total trailer weight is over 2000 kg (4409 lb.), a friction stabilizer (sway control device) is required.

② Permissible drawbar load

Allocate the trailer load so that the drawbar load is greater than 25 kg (55.1 lb.) or 4 % of the towing capacity. Do not let the drawbar load exceed the indicated weight. (→P. 772)

■ **Information tag (manufacturer's label)**

① Gross vehicle mass

Vehicle category M1 models*:

The combined weight of the driver, passengers, luggage, towing hitch, total curb mass and drawbar load should not exceed the gross vehicle mass by more than 100 kg (220.5 lb.). Exceeding this weight is dangerous.

Vehicle category N1 models*:

The combined weight of the driver, passengers, cargo, towing hitch, total curb mass and drawbar load must not exceed the gross vehicle mass. Exceeding this weight is dangerous.

② Maximum permissible rear axle capacity

Vehicle category M1 models*:

The weight borne by the rear axle should not exceed the maximum permissible rear axle capacity by 15 % or more. Exceeding this weight is dangerous.

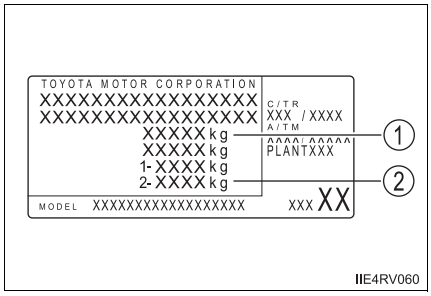
Vehicle category N1 models*:

The weight borne by the rear axle should not exceed the maximum permissible axle capacity. Exceeding this weight is dangerous

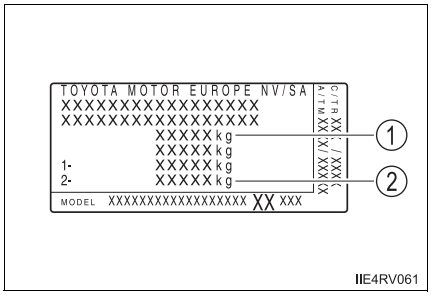
The values for towing capacity were derived from testing conducted at sea level. Take note that engine output and towing capacity will be reduced at high altitudes.

*: To distinguish the vehicle category, ask any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

▶ Type A



▶ Type B



WARNING

■ **Vehicle category M1 models*: When the gross vehicle mass or maximum permissible axle capacity is exceeded**

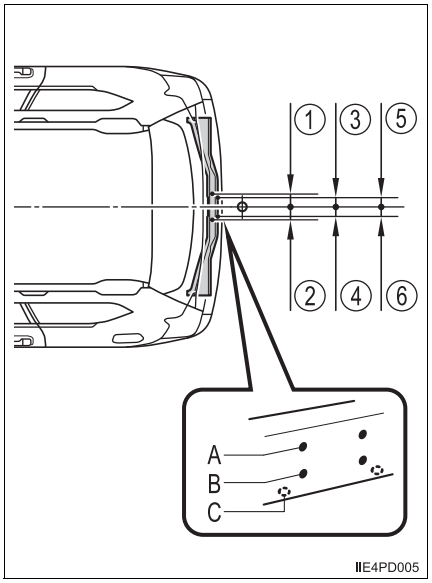
Failing to observe this precaution may lead to an accident causing death or serious injury.

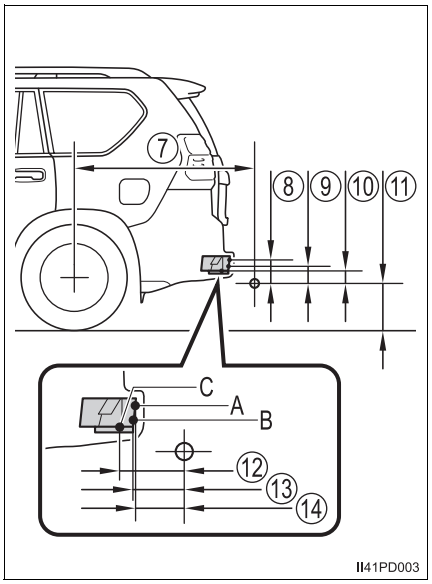
- Add additional 20.0 kPa (0.2 kgf/cm^2 or bar, 3 psi) to the recommended tire inflation pressure value. (→P. 803)
- Do not exceed the established speed limit for towing a trailer in built-up areas or 100 km/h (62 mph), whichever is lower.

*: To distinguish the vehicle category, ask any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

Installation positions for the towing hitch/bracket and hitch ball

▶ 5-door models





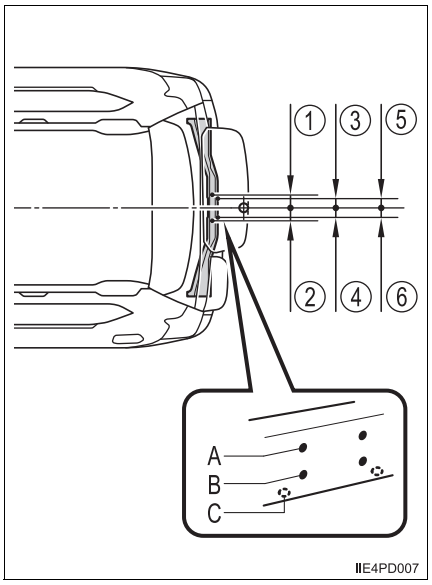
① 78 mm (3.0 in.)
② 78 mm (3.0 in.)
③ 53 mm (2.1 in.)
④ 53 mm (2.1 in.)
⑤ 53 mm (2.1 in.)
⑥ 53 mm (2.1 in.)
⑦ 1219 mm (48.0 in.)
⑧ 137 mm (5.4 in.)*1
141 mm (5.6 in.)*2
⑨ 79 mm (3.1 in.)*1
83 mm (3.3 in.)*2
⑩ 54 mm (2.1 in.)*1
58 mm (2.3 in.)*2
⑪ 428 mm (16.9 in.)*1
336 mm (13.2 in.)*2
⑫ 200 mm (7.9 in.)*1
199 mm (7.8 in.)*2
⑬ 171 mm (6.7 in.)*1
169 mm (6.7 in.)*2
⑭ 171 mm (6.7 in.)*1
168 mm (6.6 in.)*2

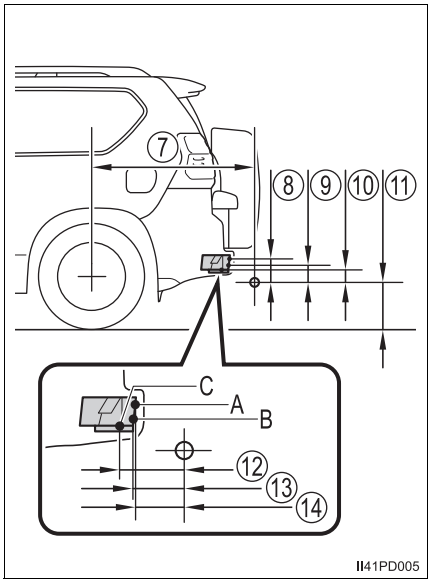
*1: Vehicles with rear height control air suspension

*2: Vehicles without rear height control air suspension

▶ 3-door models

① 78 mm (3.0 in.)
② 78 mm (3.0 in.)
③ 53 mm (2.1 in.)
④ 53 mm (2.1 in.)
⑤ 53 mm (2.1 in.)
⑥ 53 mm (2.1 in.)
⑦ 1110 mm (43.7 in.)
⑧ 142 mm (5.6 in.)
⑨ 84 mm (3.3 in.)
⑩ 59 mm (2.3 in.)
⑪ 327 mm (12.9 in.)
⑫ 199 mm (7.8 in.)
⑬ 169 mm (6.7 in.)
⑭ 167 mm (6.6 in.)





■ **When connecting and disconnecting a trailer (vehicles with rear height control air suspension)**

● Connecting

1 Set the rear height control air suspension to LO mode.

2 Turn off the engine switch or the rear height control air suspension.

3 Connect the trailer.

4 Turn on the switch that was turned off on step 2.

5 Set the rear height control air suspension to N mode.

● Disconnecting

1 Set the rear height control air suspension to LO mode.

2 Turn off the rear height control air suspension.

3 Turn off the engine switch.

4 Set the supporting leg of a trailer on the ground and raise the hitch by 100 mm (4 in.).

5 Turn on the engine switch.

6 Turn on the rear height control air suspension.

7 Wait until vehicle height is stabilized.

Make sure the hitch is disconnected. If the hitch does not disconnect, raise the hitch higher and repeat steps 2 through 7.

■ **Tire information**

● Increase the tire inflation pressure to 20.0 kPa (0.2 kgf/cm^2 or bar, 3 psi) greater than the recommended value when towing. (→P. 803)

● Increase the air pressure of the trailer tires in accordance with the total trailer weight and according to the values recommended by the manufacturer of your trailer.

■ **Trailer lights**

Check that the turn signal lights and stoplights are operating correctly every time you hitch up the trailer. Directly wiring up to your vehicle may damage the electrical system and stop the lights from functioning correctly.

■ **Break-in schedule**

Toyota recommends that vehicles fitted with new power train components should not be used for towing trailers for the first 800 km (500 miles).

■ **Safety checks before towing**

- Check that the maximum load limit for the towing hitch/bracket hitch ball is not exceeded. Bear in mind that the coupling weight of the trailer will add to the load exerted on the vehicle. Also make sure that the total load exerted on the vehicle is within the range of the weight limits. (→P. 253)
- Ensure that the trailer load is secure.
- Supplementary outside rear view mirrors should be added to the vehicle if the traffic behind cannot be clearly seen with standard mirrors. Adjust the extending arms of these mirrors on both sides of the vehicle so that they always provide maximum visibility of the road behind.

■ **Maintenance**

- Maintenance must be performed more frequently when using the vehicle for towing due to the greater weight burden placed on the vehicle compared to normal driving.
- Retighten all bolts securing the hitching ball and bracket after towing for approximately 1000 km (600 miles).

■ **If trailer sway occurs**

One or more factors (crosswinds, passing vehicles, rough roads, etc.) can adversely affect handling of your vehicle and trailer, causing instability.

- If trailer swaying occurs:
  - Firmly grip the steering wheel. Steer straight ahead.
    Do not try to control trailer swaying by turning the steering wheel.
  - Begin releasing the accelerator pedal immediately but very gradually to reduce speed.
    Do not increase speed. Do not apply vehicle brakes.

  If you make no extreme correction with the steering or brakes, your vehicle and trailer should stabilize (if enabled, Trailer Sway Control can also help to stabilize the vehicle and trailer.).
- After the trailer swaying has stopped:
  - Stop in a safe place. Get all occupants out of the vehicle.
  - Check the tires of the vehicle and the trailer.
  - Check the load in the trailer.
    Make sure the load has not shifted.
    Make sure the tongue weight is appropriate, if possible.
  - Check the load in the vehicle.
    Make sure the vehicle is not overloaded after occupants get in.

  If you cannot find any problems, the speed at which trailer swaying occurred is beyond the limit of your particular vehicle-trailer combination.
  Drive at a lower speed to prevent instability. Remember that swaying of the towing vehicle-trailer increases as speed increases.

WARNING

■ **To avoid accident or injury**

- Vehicles with the rear height control air suspension:
  Set the vehicle height to the low mode and turn off the rear height control air suspension to prevent the vehicle height from automatically changing.
- Vehicles with the emergency tire puncture repair kit:
  Do not tow a trailer when the tire installed is repaired with the emergency tire puncture repair kit.

NOTICE

■ **When the rear bumper strengthening material is aluminum**

Ensure the steel bracket part does not come directly in contact with that area.
When steel and aluminum come into contact, there is a reaction similar to corrosion, which will weaken the section concerned and may result in damage. Apply a rust inhibitor to parts that will come in contact when attaching a steel bracket.

Guidance

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

■ **Checking connections between trailer and lights**

Stop the vehicle and check the operation of the connection between the trailer and lights after driving for a brief period as well as before starting off.

■ **Practicing driving with a coupled trailer**

- Get the feel for turning, stopping and reversing with the trailer coupled by practicing in an area with no or light traffic.
- When reversing with a coupled trailer, hold the section of the steering wheel nearest to you and rotate clockwise to turn the trailer left or counterclockwise to turn it right. Always rotate a little at a time to prevent steering error. Have someone guide you when reversing to lessen the risk of accident.

■ **Increasing vehicle-to-vehicle distance**

At a speed of 10 km/h (6 mph), the distance to the vehicle running ahead of you should be equivalent to or greater than the combined length of your vehicle and trailer. Avoid sudden braking that may cause skidding. Otherwise, the vehicle may spin out of control. This is especially true when driving on wet or slippery road surfaces.

■ **Sudden acceleration/steering input/cornering**

Executing sharp turns when towing may result in the trailer colliding with your vehicle. Decelerate well in advance when approaching turns and take them slowly and carefully to avoid sudden braking.

■ **Important points regarding turning**

The wheels of the trailer will travel closer to the inside of the curve than the wheels of the vehicle. To make allowance for this, take the turns wider than you would normally do.

■ **Important points regarding stability**

Vehicle movement resulting from uneven road surfaces and strong crosswinds will affect handling. The vehicle may also be rocked by passing buses or large trucks. Frequently check behind when moving alongside such vehicles. As soon as such vehicle movement occurs, immediately start to decelerate smoothly by slowly applying the brakes. Always steer the vehicle straight ahead while braking.

■ **Passing other vehicles**

Consider the total combined length of your vehicle and trailer and ensure that the vehicle-to-vehicle distance is sufficient before executing lane changes.

■ **Transmission information**

Refrain from driving in the 6th gear (6-speed manual transmission) or 5th gear (5-speed manual transmission), 5 or 6 range in S mode to maintain the effectiveness of the engine brake and the charge performance of electrical components.

■ **If the engine overheats**

Towing a loaded trailer up a long, steep incline in temperatures exceeding 30°C (85°F) may result in the engine overheating. If the engine coolant temperature gauge indicates that the engine is overheating, turn the air conditioning off immediately, leave the road and stop the vehicle in a safe place. (→P. 764)

■ **When parking the vehicle**

Always place wheel chocks under the wheels of both the vehicle and trailer. Firmly set the parking brake and shift the shift lever to P for automatic transmissions, and 1 or R for manual transmissions.

WARNING

Follow all the precautions described in this section. Failure to do so could cause an accident resulting in death or serious injury.

■ **Trailer towing precautions**

- When towing, make sure that none of the weight limits are exceeded. (→P. 253)
- Do not use cruise control (if equipped) or dynamic radar cruise control (if equipped) when trailer towing.

■ **Vehicle speed in towing**

Observe the legal maximum speeds for trailer towing.

■ **Before descending hills or long declines**

Reduce speed and downshift. Never downshift abruptly.

■ **Operation of the brake pedal**

Do not hold the brake pedal depressed often or for long periods of time. Doing so may result in the brake overheating or reduce braking effects.

NOTICE

■ **For vehicles with an emergency tire puncture repair kit (if equipped)**

Do not tow anything if a tire that has been repaired using the emergency tire puncture repair kit is installed. The load on the tire may cause unexpected damage to the tire.

■ **Do not directly splice trailer lights**

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

Engine (ignition) switch (vehicles without a smart entry & start system)

Starting the engine

▶ Automatic transmission (gasoline engine)

1 Check that the parking brake is set.

2 Check that the shift lever is set in P.

3 Firmly depress the brake pedal.

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

▶ Automatic transmission (diesel engine)

1 Check that the parking brake is set.

2 Check that the shift lever is set in P.

3 Firmly depress the brake pedal.

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

The indicator turns on.

If the engine coolant temperature is above approximately 30°C (86°F), the indicator may not turn on.

5 After the indicator light goes out or does not turn on, turn the engine switch to the “START” position to start the engine.

▶ Manual transmission (gasoline engine)

1 Check that the parking brake is set.

2 Check that the shift lever is set in N.

3 Firmly depress the clutch pedal.

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

▶ Manual transmission (diesel engine)

1 Check that the parking brake is set.

2 Check that the shift lever is set in N.

3 Firmly depress the clutch pedal.

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

The indicator turns on.

If the engine coolant temperature is above approximately 30°C (86°F), the indicator may not turn on.

5 After the indicator light goes out or does not turn on, turn the engine switch to the “START” position to start the engine.

Changing the engine switch positions

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”

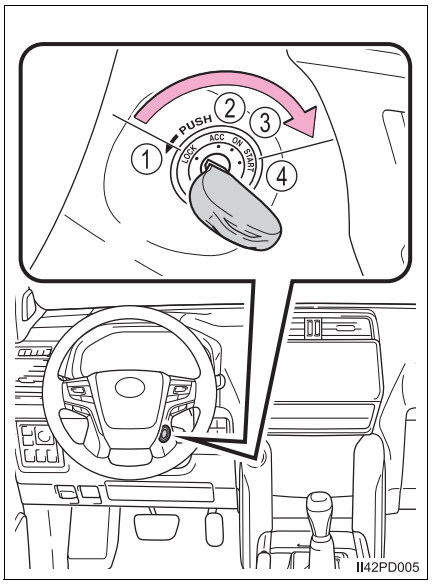
Some electrical components such as the audio system can be used.

③ “ON”

All electrical components can be used.

④ “START”

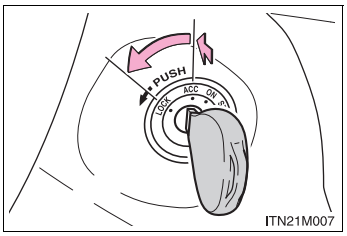
For starting the engine.



■ Turning the key from “ACC” to “LOCK”

1 Shift the shift lever to P (automatic transmission) or N (manual transmission). (→P. 278, 284)

2 Push in the key and turn it to the “LOCK” position.

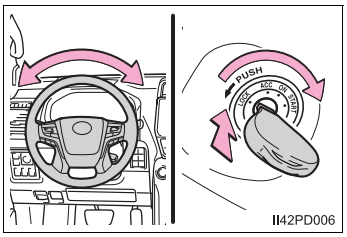


■ If the engine does not start

The engine immobilizer system may not have been deactivated. (→P. 85)
Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

When the steering lock cannot be released

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



Key reminder function

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

WARNING

When starting the engine

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

Caution when driving

Do not turn the engine switch to the “LOCK” position while driving. If in an emergency, you must turn the engine off while the vehicle is moving, turn the engine switch only to the “ACC” position to stop the engine. An accident may result if the engine is stopped while driving. (→P. 685)

NOTICE

To prevent battery discharge

Do not leave the engine switch in the “ACC” or “ON” position for long periods of time without the engine running.

When starting the engine

- Do not crank the engine for more than 30 seconds at a time. This may overheat the starter and wiring system.
- Do not race a cold engine.
- If the engine becomes difficult to start or stalls frequently, have your vehicle checked by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.

Engine (ignition) switch (vehicles with a smart entry & start system)

Performing the following operations when carrying the electronic key on your person starts the engine or changes engine switch modes.

Starting the engine

▶ Automatic transmission

1 Check that the parking brake is set.

2 Check that the shift lever is set in P.

3 Firmly depress the brake pedal.

Vehicles with the multi-information display type A:

The smart entry & start system indicator (green) will turn on.
If the indicator does not turn green, the engine cannot be started.

Vehicles with the multi-information display type B:

and a message will be displayed on the multi-information display.
If it is not displayed, the engine cannot be started.

4 Press the engine switch shortly and firmly.

When operating the engine switch, one short, firm press is enough. It is not necessary to press and hold the switch.

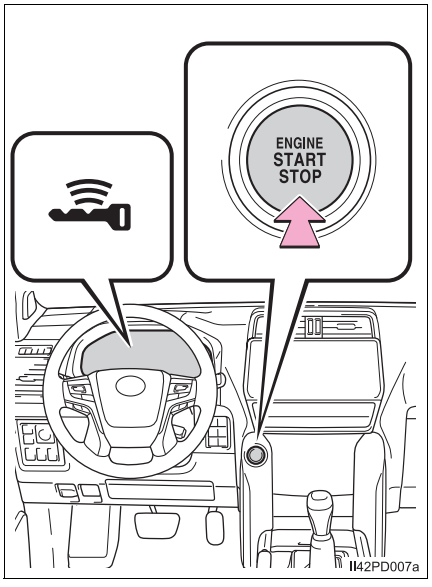
The engine will crank until it starts or for up to 30 seconds, whichever is less.

Continue depressing the brake pedal until the engine is completely started.

Diesel engine only: the indicator turns on. The engine will start after the indicator light goes out.

If the engine coolant temperature is above approximately 30°C (86°F), the indicator may not turn on.

The engine can be started from any engine switch mode.



▶ Manual transmission

1 Check that the parking brake is set.

2 Check that the shift lever is set in N.

3 Firmly depress the clutch pedal.

Vehicles with the multi-information display type A:

The smart entry & start system indicator (green) will turn on.
If the indicator does not turn green, the engine cannot be started.

Vehicles with the multi-information display type B:

and a message will be displayed on the multi-information display.
If it is not displayed, the engine cannot be started.

4 Press the engine switch shortly and firmly.

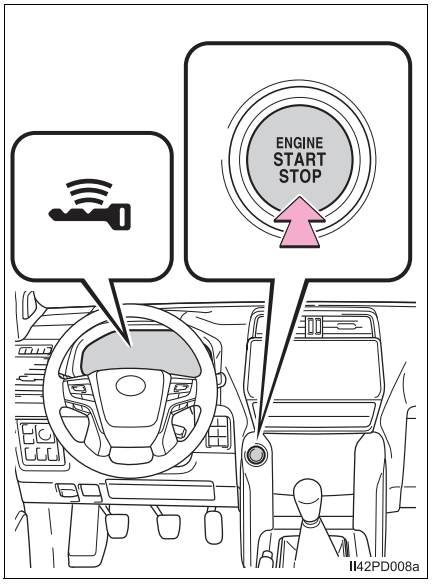
When operating the engine switch, one short, firm press is enough. It is not necessary to press and hold the switch.

The engine will crank until it starts or for up to 30 seconds, whichever is less.

Continue depressing the clutch pedal until the engine is completely started.

The indicator turns on. The engine will start after the indicator light goes out.

If the engine coolant temperature is above approximately 30°C (86°F), the indicator may not turn on.



The engine can be started from any engine switch mode.

Stopping the engine

▶ Automatic transmission

1 Stop the vehicle.

2 Set the parking brake (→P. 289), and shift the shift lever to P.

3 Press the engine switch.

4 Release the brake pedal and check that the display on the instrument cluster is off.

▶ Manual transmission

1 Stop the vehicle.

2 Shift the shift lever to N.

3 Set the parking brake. (→P. 289)

4 Press the engine switch.

5 Release the brake pedal and check that the display on the instrument cluster is off.

Changing engine switch modes

Modes can be changed by pressing the engine switch with brake pedal (vehicles with an automatic transmission) or clutch pedal (vehicles with a manual transmission) released. (The mode changes each time the switch is pressed.)

▶ Vehicles with the multi-information display type A

Off*

The emergency flashers can be used.

The smart entry & start system indicator light (green) is off.

ACCESSORY mode

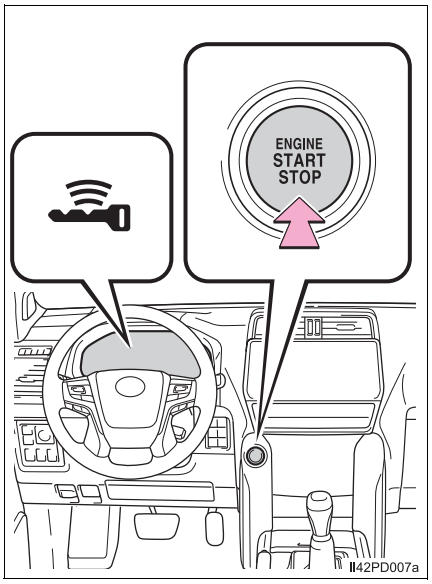
Some electrical components such as the audio system can be used.

The smart entry & start system indicator light (green) flashes slowly.

IGNITION ON mode

All electrical components can be used.

The smart entry & start system indicator light (green) flashes slowly.



*: If the shift lever is in a position other than P when turning off the engine, the engine switch will be turned to ACCESSORY mode, not to off (vehicles with an automatic transmission only).

▶ Vehicles with the multi-information display type B

① Off*

The emergency flashers can be used.

② ACCESSORY mode

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

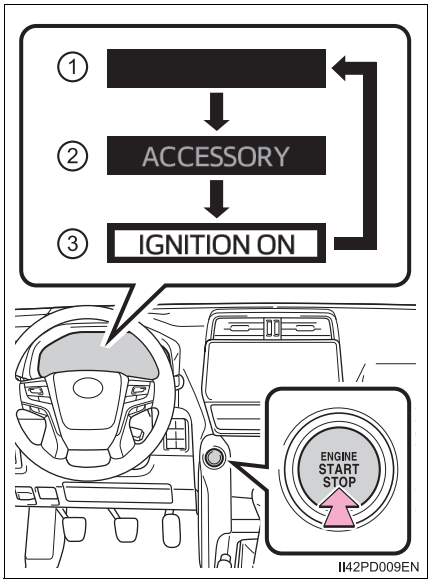
“ACCESSORY” will be displayed on the multi-information display.

③ IGNITION ON mode

All electrical components can be used.

“IGNITION ON” will be displayed on the multi-information display.

*: If the shift lever is in a position other than P when turning off the engine, the engine switch will be turned to ACCESSORY mode, not to off (vehicles with an automatic transmission only).



When stopping the engine with the shift lever in a position other than P (Vehicles with an automatic transmission)

If the engine is stopped with the shift lever in a position other than P, the engine switch will not be turned off but instead be turned to ACCESSORY mode. Perform the following procedure to turn the switch off:

1 Check that the parking brake is set.

2 Shift the shift lever to P.

▶ Vehicles with the multi-information display type A

3 Check that the smart entry & start system indicator (green) flashes slowly and then press the engine switch.

4 Check that the smart entry & start system indicator (green) is off.

▶ Vehicles with the multi-information display type B

3 Check that “Turn Off Vehicle” is displayed on the multi-information display and then press the engine switch.

4 Check that “Turn Off Vehicle” is displayed on the multi-information display is off.

■ **Auto power off function**

▶ Vehicles with an automatic transmission

When the shift lever is in P, if the vehicle is left in ACCESSORY or IGNITION ON mode with the engine not running for more than 20 minutes (ACCESSORY mode) or one hour (IGNITION ON mode), the engine switch will automatically turn off. However, this function cannot entirely prevent battery discharge. Do not leave the vehicle with the engine switch in ACCESSORY or IGNITION ON mode for long periods of time when the engine is not running.

▶ Vehicles with a manual transmission

If the vehicle is left in ACCESSORY or IGNITION ON mode with the engine not running for more than 20 minutes (ACCESSORY mode) or one hour (IGNITION ON mode), the engine switch will automatically turn off. However, this function cannot entirely prevent battery discharge. Do not leave the vehicle with the engine switch in ACCESSORY or IGNITION ON mode for long periods of time when the engine is not running.

■ **Operation of the engine switch**

- If the switch is not pressed shortly and firmly, the engine switch mode may not change or the engine may not start.
- If attempting to restart the engine immediately after turning the engine switch off, the engine may not start in some cases. After turning the engine off, please wait a few seconds before restarting the engine.

■ **Electronic key battery depletion**

→P. 143

■ **Conditions affecting operation**

→P. 172

■ **Note for the entry function**

→P. 173

■ **If the engine does not start**

- The engine immobilizer system may not have been deactivated. (→P. 85)
  Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- Check that the shift lever is securely set in P. The engine may not start if the shift lever is displaced out of P.
  Vehicles with the multi-information display type A: The smart entry & start system indicator light (green) will flash quickly.
  Vehicles with the multi-information display type B: A message will be displayed on the multi-information display.

■ **Steering lock**

After turning the engine switch off and opening and closing the doors, the steering wheel will be locked due to the steering lock function. Operating the engine switch again automatically cancels the steering lock.

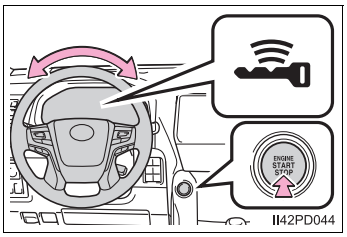
■ **When the steering lock cannot be released**

▶ Vehicles with the multi-information display type A

The smart entry & start system indicator light (green) will flash quickly.

Automatic transmission: Check that the shift lever is set in P. Press the engine switch while turning the steering wheel left and right.

Manual transmission: Press the engine switch while turning the steering wheel left and right.

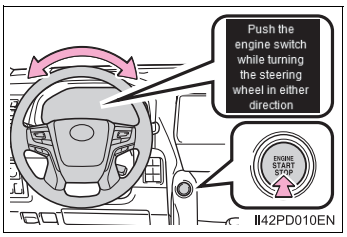


▶ Vehicles with the multi-information display type B

A message will be displayed on the multi-information display.

Automatic transmission: Check that the shift lever is set in P. Press the engine switch while turning the steering wheel left and right.

Manual transmission: Press the engine switch while turning the steering wheel left and right.



■ **Steering lock motor overheating prevention**

To prevent the steering lock motor from overheating, the motor may be suspended if the engine is turned on and off repeatedly in a short period of time. In this case, refrain from running the engine. After about 10 seconds, the steering lock motor will resume functioning.

■ **When the smart entry & start system indicator light flashes in yellow (vehicles with the multi-information display type A)**

The system may be malfunctioning. Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.

■ **When "Check entry & start system Have your vehicle checked by a dealer" is displayed on the multi-information display (vehicles with the multi-information display type B)**

The system may be malfunctioning. Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.

■ **If the electronic key battery is depleted**

→P. 660

■ **If the smart entry & start system has been deactivated in a customized setting**

→P. 753

WARNING

■ **When starting the engine**

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

■ **Caution while driving**

If engine failure occurs while the vehicle is moving, do not lock or open the doors until the vehicle reaches a safe and complete stop. Activation of the steering lock in this circumstance may lead to an accident, resulting in death or serious injury.

■ **Stopping the engine in an emergency**

- If you want to stop the engine in an emergency while driving the vehicle, press and hold the engine switch for more than 2 seconds, or press it briefly 3 times or more in succession. (→P. 685)
  However, do not touch the engine switch while driving except in an emergency. Turning the engine off while driving will not cause loss of steering or braking control, 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.
- Vehicles with the multi-information display type A:
  If the engine switch is operated while the vehicle is running, a buzzer sounds.

  Vehicles with the multi-information display type B:
  If the engine switch is operated while the vehicle is running, a warning message will be shown on the multi-information display and a buzzer sounds.
- When restarting the engine after it was turned off while driving, shift the shift lever to N and press the engine switch.

NOTICE

■ **To prevent battery discharge**

- Do not leave the engine switch in ACCESSORY or IGNITION ON mode for long periods of time without the engine running.
- If the indicator on the engine switch is illuminated, the engine switch is not off. When exiting the vehicle, always check that the engine switch is off.
- On vehicles with an automatic transmission, do not stop the engine when the shift lever is in a position other than P. If the engine is stopped in another shift lever position, the engine switch will not be turned off but instead be turned to ACCESSORY mode. If the vehicle is left in ACCESSORY mode, battery discharge may occur.

■ **When starting the engine**

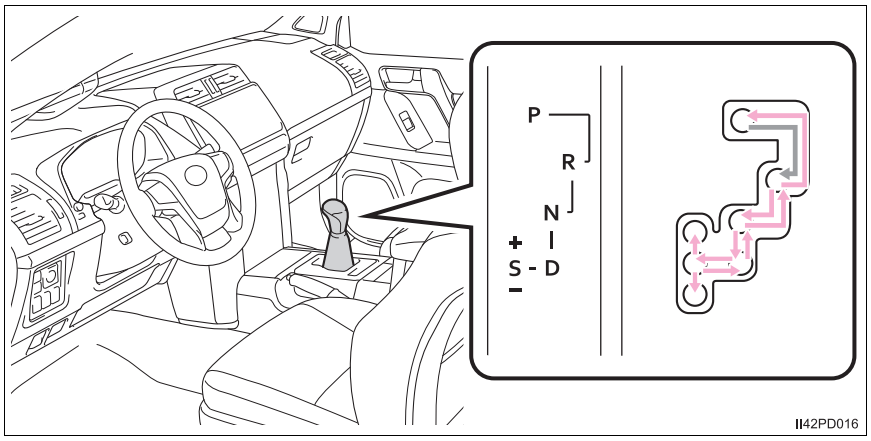
- Do not race a cold engine.
- If the engine becomes difficult to start or stalls frequently, have your vehicle checked by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.

■ **Symptoms indicating a malfunction with the engine switch**

If the engine switch seems to be operating somewhat differently than usual, such as the switch sticking slightly, there may be a malfunction. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.

Automatic transmission*

Shifting the shift lever



▶ Vehicles without a smart entry & start system

While the engine switch is in the “ON” position, move the shift lever with the brake pedal depressed.

When shifting the shift lever between P and D, make sure that the vehicle is completely stopped.

▶ Vehicles with a smart entry & start system

While the engine switch is in IGNITION ON mode, move the shift lever with the brake pedal depressed.

When shifting the shift lever between P and D, make sure that the vehicle is completely stopped.

*: If equipped

Shift position purpose

Shift position	Purpose and condition
P	Parking the vehicle/starting the engine
R	Reversing
N	Neutral (Condition in which the power is not transmitted)
D	Normal driving*1
S	S mode driving*2 (→P. 280)

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

*2: Selecting shift ranges using S mode restricts the upper limit of the possible gear ranges, controls engine braking forces, and prevents unnecessary upshifting.

Selecting the driving mode

■ Sport mode/Eco drive mode

→P. 391

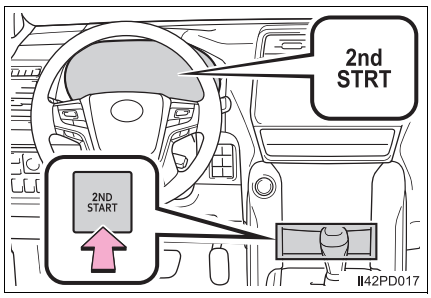
■ Second start mode

Use second start mode for accelerating and driving on slippery road surfaces such as snow.

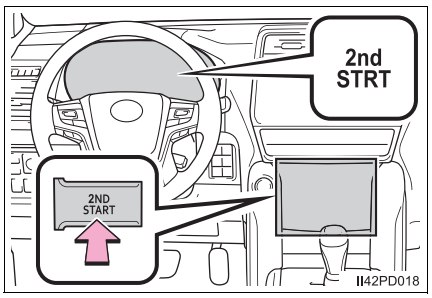
Turn the “2nd START” button on.

Press the button again to cancel second start mode.

▶ Vehicles without Multi-terrain Select



▶ Vehicles with Multi-terrain Select

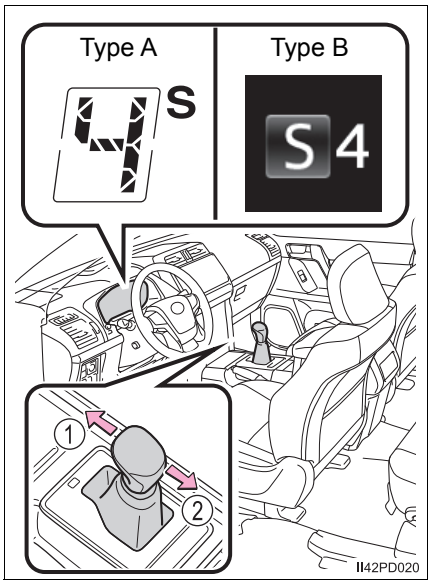


Changing shift ranges in S mode

When the shift lever is in the S position, the shift lever can be operated as follows:

① Upshifting

② Downshifting



5-speed models:
The selected shift range, from 1 to 5, will be displayed in the meter.

The initial shift range in S mode is set automatically to 4 according to vehicle speed. However, the initial shift range may be set to 3 if AI-SHIFT has operated while the shift lever was in the D position. (→P. 281)

6-speed models:
The selected shift range, from 1 to 6, will be displayed in the meter. The initial shift range in S mode is set automatically to 4 or 5 according to vehicle speed. However, the initial shift range may be set to 3 if AI-SHIFT has operated while the shift lever was in the D position. (→P. 281)

■ Shift ranges and their functions

- You can choose from 5 (5-speed models) or 6 (6-speed models) levels of engine braking force.
- A lower shift range will provide greater engine braking force than a higher shift range, and the engine speed will also increase.

■ **Driving on a downhill**

On declines, there may be case where the vehicle shifts down automatically to obtain engine braking. As a result of the downshifting, the engine speed may increase.

■ **Second start mode automatic deactivation**

Second start mode is automatically deactivated if the engine is turned off after driving in second start mode.

■ **S mode**

When the shift range is 4 or lower, holding the shift lever toward "+" sets the shift range to 5 (5-speed models) or 6 (6-speed models).

■ **AI-SHIFT**

AI-SHIFT automatically selects a suitable gear according to driver performance and driving conditions.
AI-SHIFT automatically operates when the shift lever is in the D position. (Shifting the shift lever to the S position cancels the function.)

■ **When driving with the cruise control or dynamic radar cruise control (if equipped)**

Engine braking will not occur in S mode, even when downshifting to 4 or 5. (→P. 387, 372)

■ **Shift lock system**

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

The shift lever can be shifted from P only when the engine switch is in the "ON" position (vehicles without a smart entry & start system) or IGNITION ON mode (vehicles with a smart entry & start system) and the brake pedal is being depressed.

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

First, check whether the brake pedal is being depressed.

If the shift lever cannot be shifted with your foot on the brake pedal, there may be a problem with the shift lock system. Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.

The following steps may be used as an emergency measure to ensure that the shift lever can be shifted.

Releasing the shift lock:

1 Set the parking brake.

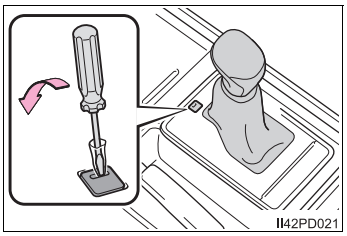
2 Vehicles without a smart entry & start system:
Turn the engine switch to the “LOCK” position.

Vehicles with a smart entry & start system:
Turn the engine switch off.

3 Depress the brake pedal.

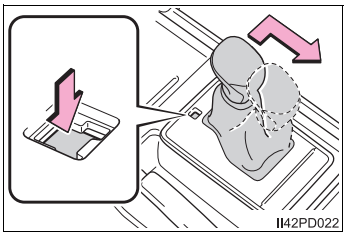
4 Pry the cover up with a flathead screwdriver or equivalent tool.

To prevent damage to the cover, cover the tip of the screwdriver with a rag.



5 Press the shift lock override button.

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



■ **If the “S” indicator does not come on even after shifting the shift lever to S**

This may indicate a malfunction in the automatic transmission system. Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.

■ **Downshift restriction warning buzzer (S mode)**

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

Transmission protection function (6-speed models)

If the tires spin continually when the vehicle becomes stuck in mud, dirt or snow, or if the accelerator pedal is depressed and released repeatedly while driving, the automatic transmission temperature may become too high and the automatic transmission may be damaged.
To avoid damaging the automatic transmission, the system may temporarily lock the gear.
If the automatic transmission temperature falls, the gear locking is canceled and the automatic transmission is returned to the normal operation.

⚠ WARNING

When driving on slippery road surfaces

Do not accelerate or shift gears suddenly.
Sudden changes in engine braking may cause the vehicle to spin or skid, resulting in an accident.

To prevent an accident when releasing the shift lock

Before pressing the shift lock override button, make sure to set the parking brake and depress the brake pedal.

If the accelerator pedal is accidentally depressed instead of the brake pedal when the shift lock override button is pressed and the shift lever is shifted out of P, the vehicle may suddenly start, possibly leading to an accident resulting in death or serious injury.

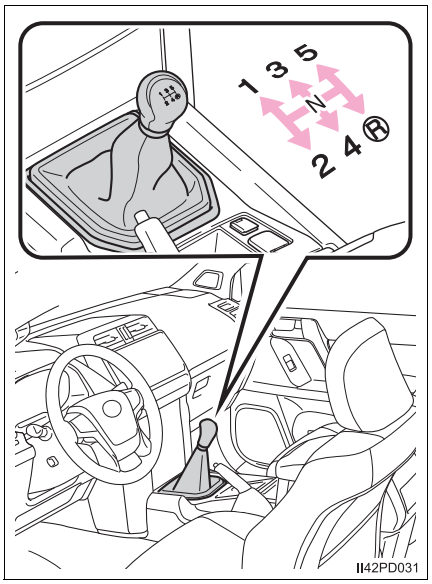
Manual transmission*

Shifting the shift lever

▶ 5-speed transmission

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

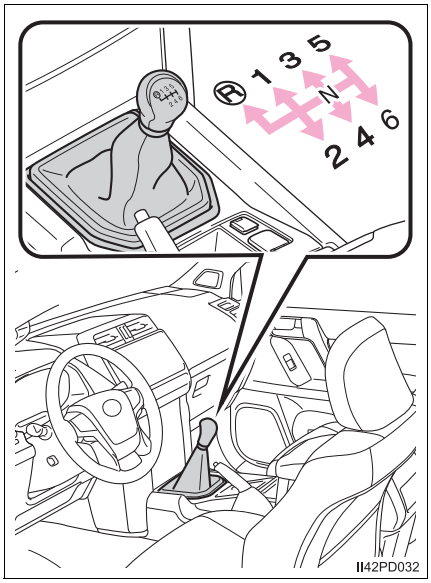
If it is difficult to shift in reverse, shift the shift lever to N, release the clutch pedal momentarily, and then try again.



*: If equipped

▶ 6-speed transmission

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

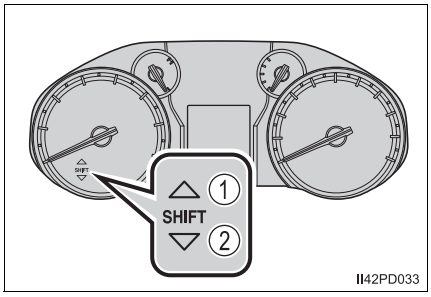


Gear Shift Indicator (if equipped)

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

① Upshifting

② Downshifting



■ **Gear Shift Indicator display**

- The Gear Shift Indicator will not be displayed when the four-wheel drive control switch is in L4.
- The Gear Shift Indicator may not be displayed when your foot is placed on the clutch pedal.

■ **Maximum downshifting speeds**

Observe the downshifting speeds in the following table to prevent over-revving the engine.

▶ 5-speed transmission

Shift position	Maximum speed (km/h [mph])	
	Transfer position H4	Transfer position L4
1	45 (28)	17 (11)
2	78 (48)	30 (19)
3	119 (74)	46 (29)
4	165 (103)	67 (42)

▶ 6-speed transmission

Shift position	Maximum speed (km/h [mph])	
	Transfer position H4	Transfer position L4
1	38 (24)	15 (9)
2	77 (48)	30 (19)
3	105 (65)	41 (25)
4	131 (81)	51 (32)
5	157 (98)	61 (38)

■ **Reverse warning buzzer (vehicles with a 6-speed transmission)**

A buzzer will sound to alert the driver if the shift lever is shifted to the R position.

WARNING

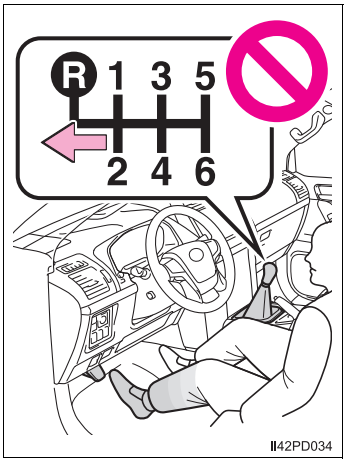
■ **Gear Shift Indicator display (if equipped)**

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

NOTICE

■ **To prevent damage to the transmission**

- Do not shift the shift lever to R without depressing the clutch pedal.



- Shift the lever to R only when the vehicle is stationary.

Turn signal lever

Operating instructions

The turn signal lever can be used to show the following intentions of the driver:

① Right turn

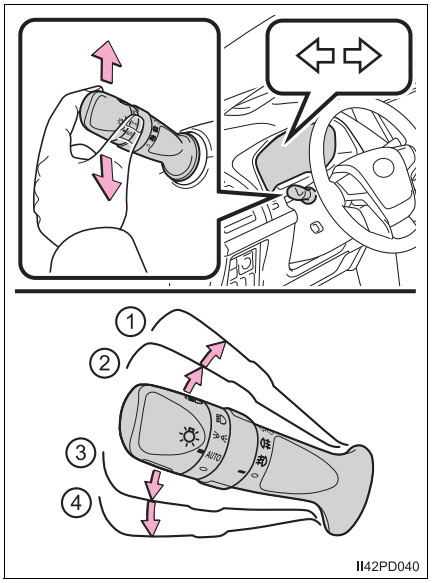
② Lane change to the right (push and hold the lever partway)

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

③ Lane change to the left (push and hold the lever partway)

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

④ Left turn



■ Turn signals can be operated when

▶ Vehicles without a smart entry & start system

The engine switch is in the “ON” position.

▶ Vehicles with a smart entry & start system

The engine switch is in IGNITION ON mode.

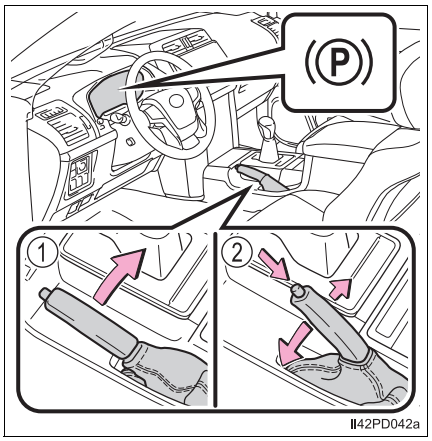
■ If the indicator flashes faster than usual

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

Parking brake

① To set the parking brake, fully pull the parking brake lever while depressing the brake pedal.

② To release the parking brake, slightly raise the lever and lower it completely while pressing the button.



■ **Parking the vehicle**
→P. 237

■ **Usage in winter time**
→P. 461

⚠ NOTICE

■ **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.

Diesel Particulate Filter system (1GD-FTV engine only)

When the deposit collected by the filter reaches a predetermined amount, it is automatically regenerated.

◆ Regeneration

Regeneration is performed as necessary in accordance with driving conditions.

◆ System characteristics

The DPF system has the following characteristics:

- Idle speed increases during regeneration
- The smell of the exhaust gas differs from that of a conventional diesel vehicle
- White smoke may be emitted from the exhaust pipe during regeneration. However, this does not indicate a malfunction.

DPF system failure warning

● If the DPF system warning light comes on (vehicles with the multi-information display type A) or the DPF system warning message “DPF full Manual regeneration required See owner’s manual” appears on the display (vehicles with the multi-information display type B), follow the procedure below to regenerate.

1 Stop the vehicle in a safe place.

2 Shift the shift lever to P (automatic transmission) or N (manual transmission), and firmly set the parking brake.

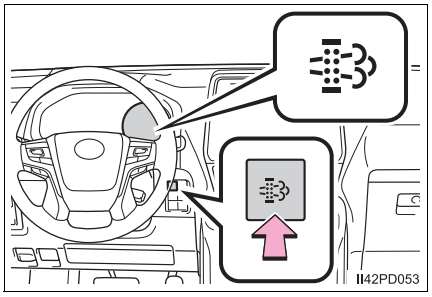
Do not stop the engine.
Also, make sure that there are no flammable materials near the exhaust pipe. (→P. 294)

Check the engine is warmed up. If the engine is cold, warm up the engine by depressing the accelerator pedal.*1

3 Press the DPF system switch.

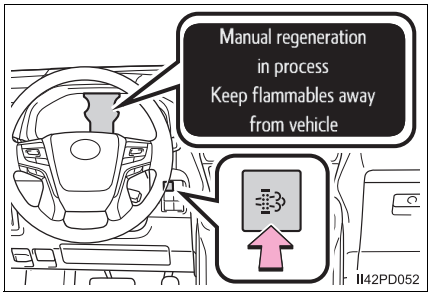
▶ Vehicles with the multi-information display type A

The DPF system warning light will change from solid to slow flashing, and the idling engine speed will increase.



▶ Vehicles with the multi-information display type B

The DPF system warning message shown in the illustration appears on the display, and the idling engine speed will increase.



Regeneration will take around 30 - 40 minutes to complete.*2

When the DPF system warning light or the DPF system warning message goes out, the idling engine speed will have finished returning to normal.

The DPF system switch may not operate when the vehicle is higher than 4000 m (13123 ft.) above sea level.

*1: Depending on the situation, it may be necessary to depress the accelerator pedal until the engine speed is increased to 3000 rpm. If the engine coolant temperature or exhaust gas temperature is low, it may take a long time to regenerate, or regeneration may be impossible.

*2: Time required for regeneration differs in accordance with the outside temperature. Also, if the engine speed is still approximately 2000 rpm 10 minutes after pressing the DPF system switch, the exhaust gas temperature may be low. In this case, depress the accelerator pedal to run the engine at approximately 3000 rpm for a while.

- If the DPF system warning light flashes (vehicles with the multi-information display type A) or the DPF system warning message “DPF full Visit your dealer” appears on the display (vehicles with the multi-information display type B), have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer, immediately.

■ **Regeneration with the DPF system switch**

- After pressing the DPF system switch, do not depress the accelerator pedal or the clutch pedal (manual transmission). Depressing the pedal(s) will stop regeneration. If regeneration has been stopped, restart regeneration as soon as possible.
- If regeneration is carried out while the exhaust pipe is hot (for example directly after driving), it will take less time than when the engine is cold.
- After regeneration is finished, race the engine several time to clean the exhaust system.

■ **Replacing the engine oil**

Make sure to use an oil of the recommended grade or of matching quality. (→P. 780)

■ **DPF system warning**

Under the following driving conditions, the DPF system warning light or message may come on earlier than normal.*

- When only driving at low speeds (for example 20 km/h [12 mph] or below).
- If the engine is turned on and off frequently (if the engine is not left running for more than 10 minutes at a time).

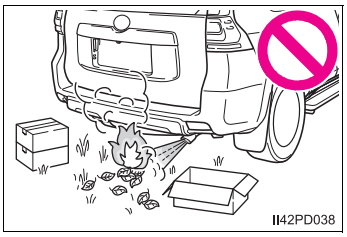
*: Differs in accordance with weather, driving conditions, etc.

WARNING

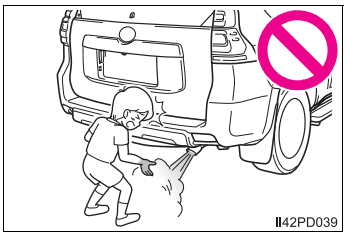
■ **During regeneration**

Observe the following precautions.
Failure to do so may result in serious injury such as burns caused by the hot exhaust pipe and exhaust gases, or may cause a fire.

- Do not stop the vehicle where flammable materials, such as dry grass, are near the exhaust pipe.



- Make sure that there are no people near the exhaust pipe.



- Do not carry out regeneration when the vehicle is in an enclosed area, such as a garage.
- Do not touch the exhaust pipe and exhaust gases during regeneration.

■ **If the malfunction indicator light comes on**

The malfunction indicator light comes on if you continue driving while the DPF system warning light is flashing (vehicles with the multi-information display type A), or the DPF warning message “DPF full Visit your dealer” appears on the display (vehicles with the multi-information display type B). In this event, damage may be caused to the vehicle or an accident may occur. Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer, immediately.

NOTICE

■ **To prevent the DPF system from failing**

- Vehicles with the multi-information display type A: Do not drive for long periods of time while the DPF system warning light is flashing.
- Vehicles with the multi-information display type B: Do not drive for long periods of time while the DPF system warning message “DPF full Visit your dealer” appears on the display.
- Do not use fuel other than the specified type
- Do not use engine oil other than the recommended type
- Do not modify the exhaust pipe

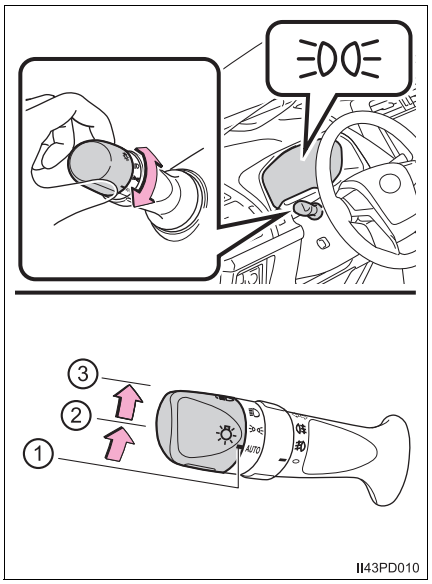
Headlight switch

The headlights can be operated manually or automatically.

Operating instructions

Turning the end of the lever turns on the lights as follows:

▶ Type A



① **AUTO** Vehicles without a smart entry & start system: The headlights, front position lights, daytime running lights (→P. 308) and so on turn on and off automatically (when the engine switch is in the “ON” position.)
Vehicles with a smart entry & start system: The headlights, front position lights, daytime running lights (→P. 308) and so on turn on and off automatically (when the engine switch is in IGNITION ON mode.)

② The front position, tail, license plate and instrument panel lights turn on.

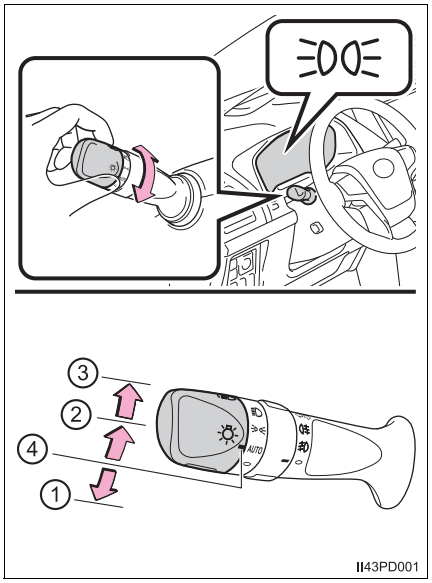
③ The headlights and all lights listed above turn on.

▶ Type B

① Vehicles without daytime running light system: Off.
Vehicles with daytime running light system: The daytime running lights turn on (→P. 308).

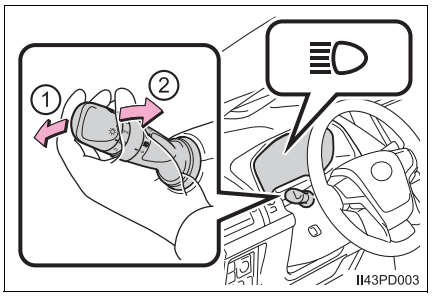
② The front position, tail, license plate and instrument panel lights turn on.

③ The headlights and all lights listed above turn on.



④ **AUTO** Vehicles without a smart entry & start system: The headlights, front position lights, daytime running lights (→P. 308) and so on turn on and off automatically (when the engine switch is in the “ON” position.)
Vehicles with a smart entry & start system: The headlights, front position lights, daytime running lights (→P. 308) and so on turn on and off automatically (when the engine switch is in IGNITION ON mode.)

Turning on the high beam headlights



① With the headlights on, push the lever away from you to turn on the high beams.

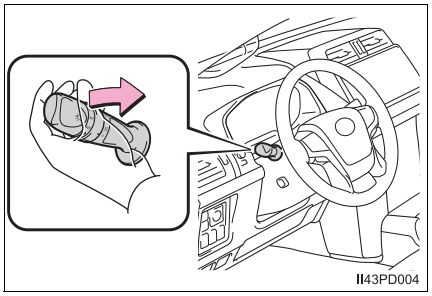
Pull the lever toward you to the center position to turn the high beams off.

② Pull the lever toward you and release it to flash the high beams once.

You can flash the high beams with the headlights on or off.

Follow me home system (if equipped)

This system allows the headlights and front position lights to be turned on for 30 seconds when the engine switch is off.

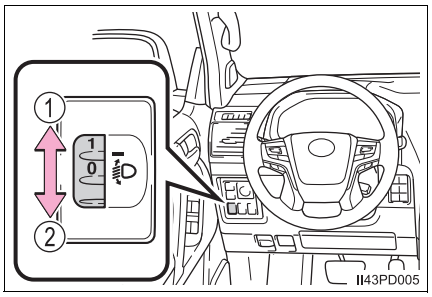


Pull the lever toward you and release it with the light switch is in **AUTO** or ○ after turning the engine switch off.

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

Manual headlight leveling dial (if equipped)

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



① Raises the level of the headlights

② Lowers the level of the headlights

■ **Guide to dial settings**

▶ 9-seat models

Occupancy and luggage load conditions

① Driver only, or Driver and one passenger in the front seat

② Driver, one passenger in the front seat, and all passengers in the rear seats farthest to the rear

③ All passengers

④ All passengers and full luggage loading in the luggage room

⑤ Driver and full luggage loading in the luggage room

Model code*	Type	①	②	③	④	⑤
GRJ150L-GKTEK	With sub fuel tank	0	1	3	3	4
	Without sub fuel tank	0	1	3	3.5	4.5
KDJ150L-GKAEY	With sub fuel tank	0	1	3	3	4
	Without sub fuel tank	0	1	3	3.5	4.5
TRJ150L-GKMEK	TX grade	0	1	3	4	4
	TX-L grade	0	1	3	3.5	4
TRJ150L-GKTEK	TX grade	0	1	3	4	4
	TX-L grade	0	1	3	3.5	3.5

*: The model code is indicated on the manufacturer's label. (→P. 775)

▶ 7-seat models

Occupancy and luggage load conditions

① Driver only, or Driver and one passenger in the front seat

② Driver, one passenger in the front seat, and all passengers in the rear seats farthest to the rear

③ All passengers

④ All passengers and full luggage loading in the luggage room

⑤ Driver and full luggage loading in the luggage room

Model code*1	Type		①	②	③	④	⑤
GDJ150L-GKFEYW	-		0	1	2	3.5	4
GDJ150L-GKTEYW	TX grade (EURO V*2)		0	1	2	3.5	4
	TX grade (EURO VI*2)	Tire size: 245/70R17	0	1	2	3.5	4
		Tire size: 265/65R17	0	1	2	3	4
	TX-L grade	EURO VI*2	0	1	2	3	4
		EURO V*2	0	1	2	3.5	4
GDJ150R-GKFEYW	-		0	1	2	3.5	4
GDJ150R-GKTEYW	TX-L grade		0	1	2	3	4
	TX grade	Tire size: 265/65R17	0	1	2	3	4
		Tire size: 245/70R17	0	1	2	3.5	4
GDJ150L-GKTEYX	EURO VI*2		0	1	2	3	4
	EURO V*2		0	1	2	3.5	4.5

*1: The model code is indicated on the manufacturer's label. (→P. 775)

*2: EURO V and VI are emission standards. If it is not clear that your vehicle meets relevant standards, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

Model code*	Type	①	②	③	④	⑤
GRJ150L-GKTEK	With sub fuel tank	0	1	2	3	4
	Without sub fuel tank	0	1	2	3.5	4.5
GRJ150L-GKTEKW	-	0	1	2	3.5	4
GRJ150L-GKTEKX	-	0	1	2	3.5	4.5
KDJ150L-GKAEY	With sub fuel tank	0	1	2	3	4
	Without sub fuel tank	0	1	2	3.5	4.5
TRJ150L-GKMEK TRJ150L-GKTEK	With sub fuel tank	0	1	2	3	3
	Without sub fuel tank	0	1	2	3.5	3.5
TRJ150L-GKMEKX TRJ150L-GKTEKX	-	0	1	2	3.5	4.5

*: The model code is indicated on the manufacturer's label. (→P. 775)

▶ 5-door and 5-seat models (vehicle category M1*1)

Occupancy and luggage load conditions

① Driver only, or Driver and one passenger in the front seat

② Driver, one passenger in the front seat, and all passengers in the rear seats farthest to the rear

③ All passengers

④ All passengers and full luggage loading in the luggage room

⑤ Driver and full luggage loading in the luggage room

Model code*2	Type		①	②	③	④	⑤
GDJ150L-GKFEYW GDJ150L-GKTEYW GDJ150R-GKFEYW GDJ150R-GKTEYW	TX grade	Tire size: 265/65R17	0	1	1	3.5	3.5
		Tire size: 245/70R17	0	1	1	4	4
	TX-L grade	Second row seat: Walk-in	0	1	1	3	3.5
		Second row seat: Double fold	0	1	1	3.5	3.5
GDJ150L-GKTEYX	TX grade	Tire size: 265/65R17	0	1	1	3	3.5
		Tire size: 245/70R17	0	1	1	3.5	3.5
	TX-L grade		0	1	1	3	3.5

*1: To distinguish the vehicle category, ask any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

*2: The model code is indicated on the manufacturer's label. (→P. 775)

Model code*2	Type	①	②	③	④	⑤
GRJ150L-GKTEK	With sub fuel tank	0	1	1	3.5	3.5
	Without sub fuel tank	0	1	1	4	4
GRJ150L-GKTEKW GRJ150L-GKTEKX	-	0	1	1	3.5	3.5
KDJ150L-GKAEY	With sub fuel tank	0	1	1	3.5	3.5
	Without sub fuel tank	0	1	1	4	4
TRJ150L-GKMEK TRJ150L-GKTEK	With sub fuel tank	0	1	1	3.5	3.5
	Without sub fuel tank	0	1	1	4	4
TRJ150L-GKMEKX TRJ150L-GKTEKX	-	0	1	1	3.5	3.5

*1: To distinguish the vehicle category, ask any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

*2: The model code is indicated on the manufacturer's label. (→P. 775)

▶ 3-door and 5-seat models

Occupancy and luggage load conditions

① Driver only, or Driver and one passenger in the front seat

② Driver, one passenger in the front seat, and all passengers in the rear seats farthest to the rear

③ All passengers

④ All passengers and full luggage loading in the luggage room

⑤ Driver and full luggage loading in the luggage room

Model code*	Type		①	②	③	④	⑤
GDJ155L-GJFEYW GDJ155L-GJTEYW	TX grade	Tire size: 265/65R17	0	2	2	3	4
		Tire size: 245/70R17	0	2	2	3.5	4
	TX-L grade	Tire size: 265/65R17	0	2	2	3	4
		Tire size: 265/60R18	0	2	2	3	3.5
		Tire size: 265/55R19					
	VX grade	Tire size: 265/65R17	0	2	2	3	4
		Tire size: 265/60R18	0	2	2	3	3.5
		Tire size: 265/55R19	0	2	2	3	3.5

*: The model code is indicated on the manufacturer's label. (→P. 775)

Model code*	Type		①	②	③	④	⑤
GDJ155R-GJFEYW GDJ155R-GJTEYW	TX grade	Tire size: 265/65R17	0	2	2	3	4
		Tire size: 245/70R17	0	2	2	3	3.5
	TX-L grade	Tire size: 265/65R17	0	2	2	3	4
	VX grade	Tire size: 265/65R17	0	2	2	3	4
		Tire size: 265/55R19	0	2	2	3	3.5

*: The model code is indicated on the manufacturer's label. (→P. 775)

▶ 5-door and 2-seat models

Occupancy and luggage load conditions

① Without load

② Driver and full luggage loading in the luggage room

Model code*	①	②
GDJ150L-GKFEYW GDJ150L-GKTEYW GDJ150R-GKFEYW GDJ150R-GKTEYW	0	3.5
GRJ150L-GKTEKW	0	4

*: The model code is indicated on the manufacturer's label. (→P. 775)

▶ 3-door and 2-seat models

Occupancy and luggage load conditions

① Without load

② Driver and full luggage loading in the luggage room

Model code*	Type		①	②
GDJ155L-GJFEYW	TX grade	Tire size: 265/65R17	0	4.5
		Tire size: 245/70R17		
	TX-L grade	Tire size: 265/65R17	0	4.5
		Tire size: 265/60R18	0	4
		Tire size: 265/55R19		
GDJ155L-GJTEYW	TX grade	Tire size: 265/65R17	0	4.5
		Tire size: 245/70R17		
	TX-L grade	Tire size: 265/65R17	0	4.5
		Tire size: 265/60R18	0	4
		Tire size: 265/55R19		
GDJ155R-GJFEYW GDJ155R-GJTEYW	-		0	4.5

*: The model code is indicated on the manufacturer's label. (→P. 775)

▶ 5-door and 5-seat models (vehicle category N1*1)

Occupancy and luggage load conditions

① Without load

② Driver and full luggage loading in the luggage room

Model code*2	①	②
GDJ150L-GKFEYW GDJ150L-GKTEYW GDJ150R-GKFEYW GDJ150R-GKTEYW	0	3.5
GRJ150L-GKTEKW	0	4

*1: To distinguish the vehicle category, ask any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

*2: The model code is indicated on the manufacturer's label. (→P. 775)

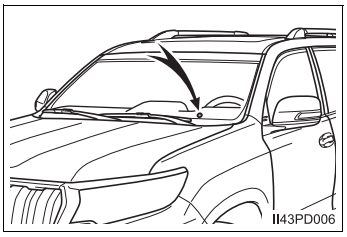
■ **Daytime running light system**

To make your vehicle more visible to other drivers during daytime driving, the daytime running lights turn on automatically whenever the engine is started and the parking brake is released with the headlight switch off or in the “AUTO” position. (Illuminate brighter than the front position lights.) Daytime running lights are not designed for use at night.

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

The sensor may not function properly if an object is placed on the sensor, or anything that blocks the sensor is affixed to the windshield.

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



■ **Automatic light off system**

▶ Type A

● Vehicles without a smart entry & start system

- When the light switch is in the AUTO position:
  All lights turn off automatically if the engine switch is turned to the “ACC” or “LOCK” position and the driver’s door is opened.
- When the light switch is in the or position:
  The head lights and front fog lights (if equipped) turn off automatically if the engine switch is turned to the “ACC” or “LOCK” position and the driver’s door is opened.

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

● Vehicles with a smart entry & start system

- When the light switch is in the AUTO position:
  All lights turn off automatically if the engine switch is turned to ACCESSORY mode or turned off and the driver’s door is opened.
- When the light switch is in the or position:
  The headlights and front fog lights (if equipped) turn off automatically if the engine switch is turned to ACCESSORY mode or turned off. (A buzzer sounds if the driver’s door is opened at this time.)

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

▶ Type B

● Vehicles without a smart entry & start system

- When only the tail lights are on:
  All lights turn off automatically if the engine switch is turned to the “ACC” or “LOCK” position and the driver’s door is opened.
- When the headlights are on:
  All lights turn off 30 seconds after the engine switch is turned to the “ACC” or “LOCK” position and a door or the glass hatch (if equipped) is opened and closed.

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

● Vehicles with a smart entry & start system

- When only the tail lights are on:
  All lights turn off if the engine switch is turned to ACCESSORY mode or turned off and the driver’s door is opened.
- When the headlights are on:
  All lights turn off 30 seconds after the engine switch is turned to ACCESSORY mode or turned off and a door or the glass hatch (if equipped) is opened and closed.

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

■ **Automatic headlight leveling system (if equipped)**

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

■ **Welcome light illumination control (if equipped)**

If the headlight switch is turned to AUTO and the surrounding area is dark, unlocking the doors using the smart entry & start system or wireless remote control will turn the front position lights and tail lights on automatically.

■ **If the automatic headlight leveling system warning light flashes (if equipped)**

It may indicate a malfunction in the system. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **Light reminder buzzer (if equipped)**

A buzzer sounds when the engine switch is turned off or turned to ACCESSORY mode and the driver's door is opened while the tail lights remain on.

■ **Customization**

Settings (e.g. light sensor sensitivity) can be changed.
(Customizable features →P. 809)

⚠ NOTICE

■ **To prevent battery discharge**

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

Automatic High Beam*

The Automatic High Beam uses an in-vehicle camera sensor to assess the brightness of streetlights, the lights of vehicles ahead etc., and automatically turns the high beam on or off as necessary.

⚠ WARNING

■ **Limitations of the Automatic High Beam**

Do not rely on the Automatic High Beam. Always drive safely, taking care to observe your surroundings and turning the high beam on or off manually if necessary.

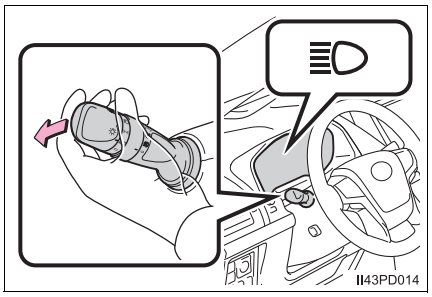
■ **To prevent incorrect operation of the Automatic High Beam system**

Do not overload the vehicle.

*: If equipped

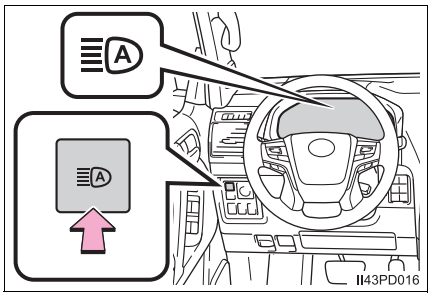
Activating the Automatic High Beam system

1 Push the lever away from you with the headlight switch in the **AUTO** or position.



2 Press the Automatic High Beam switch.

The Automatic High Beam indicator will come on when the headlights are turned on automatically to indicate that the system is active.



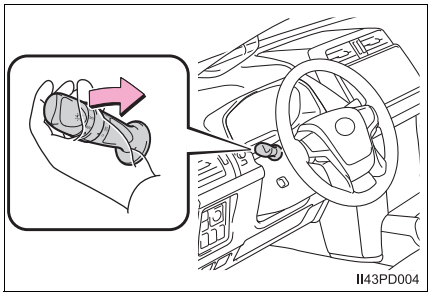
Turning the high beam on/off manually

■ Switching to low beam

Pull the lever to the original position.

The Automatic High Beam indicator will turn off.

Push the lever away from you to activate the Automatic High Beam system again.

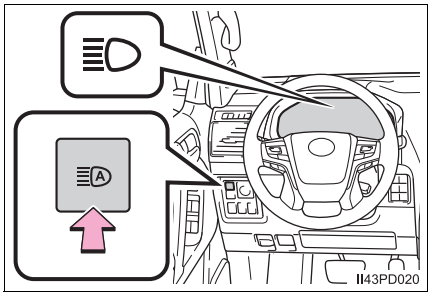


■ Switching to high beam

Press the Automatic High Beam switch.

The Automatic High Beam indicator will turn off and the high beam indicator will turn on.

Press the switch to activate the Automatic High Beam system again.



■ **High beam automatic turning on or off conditions**

- When all of the following conditions are fulfilled, the high beam will be automatically turned on (after approximately 1 second):
  - Vehicle speed is above approximately 40 km/h (25 mph).
  - The area ahead of the vehicle is dark.
  - There are no vehicles ahead with headlights or tail lights turned on.
  - There are few streetlights on the road ahead.
- If any of the following conditions are fulfilled, the high beam will be automatically turned off:
  - Vehicle speed drops below approximately 30 km/h (19 mph).
  - The area ahead of the vehicle is not dark.
  - Vehicles ahead have headlights or tail lights turned on.
  - There are many streetlights on the road ahead.

■ **Camera sensor detection information**

- The high beam may not be automatically turned off in the following situations:
  - When oncoming vehicles suddenly appear from a curve
  - When the vehicle is cut in front of by another vehicle
  - When vehicles ahead are hidden from sight due to repeated curves, road dividers or roadside trees
  - When vehicles ahead appear from the faraway lane on wide road
  - When vehicles ahead have no lights
- The high beam may be turned off if a vehicle ahead that is using fog lights without using the headlights is detected.
- Houselights, streetlights, traffic signals, and illuminated billboards or signs may cause the high beam to switch to the low beams, or the low beams to remain on.
- The following factors may affect the amount of time taken to turn the high beam on or off:
  - The brightness of headlights, fog lights, and tail lights of vehicles ahead
  - The movement and direction of vehicles ahead
  - When a vehicle ahead only has operational lights on one side
  - When a vehicle ahead is a two-wheeled vehicle
  - The condition of the road (gradient, curve, condition of the road surface etc.)
  - The number of passengers and amount of baggage
- The high beam may be turned on or off when the driver does not expect it.
- Bicycles or similar objects may not be detected.

● In the situations shown below, the system may not be able to accurately detect surrounding brightness levels. This may cause the low beams to remain on or the high beams to cause problems for pedestrians, vehicles ahead or other parties. In these cases, manually switch between the high and low beams.

- In bad weather (rain, snow, fog, sandstorms etc.)
- The windshield is obscured by fog, mist, ice, dirt etc.
- The windshield is cracked or damaged.
- The inside rear view mirror or camera sensor is deformed or dirty.
- The camera sensor temperature is extremely high.
- Surrounding brightness levels are equal to those of headlights, tail lights or fog lights.
- Vehicles ahead have headlights that are either switched off, dirty, are changing color, or are not aimed properly.
- When driving through an area of intermittently changing brightness and darkness.
- When the vehicle is hit by water, snow, dust, etc. from a preceding vehicle
- When driving on frequently and repeatedly ascending/descending roads, or roads with rough, bumpy or uneven surfaces (such as stone-paved roads, gravel tracks etc.).
- When taking curves or driving on a frequently and repeatedly winding road.
- There is a highly reflective object ahead of the vehicle, such as a sign or a mirror.
- The back of a vehicle ahead is highly reflective, such as a container on a truck.
- The vehicle's headlights are damaged or dirty.
- The vehicle is listing or tilting, due to a flat tire, a trailer being towed etc.
- The high beam and low beam are repeatedly being switched between in an abnormal manner.
- The driver believes that the high beam may be causing problems or distress to other drivers or pedestrians nearby.

■ **Warning message**

Warning messages are used to indicate a system malfunction or to inform the driver of the need for caution. (→P. 707)

Fog light switch

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

▶ Front and rear fog light switch*

① Turns the front and rear fog lights off

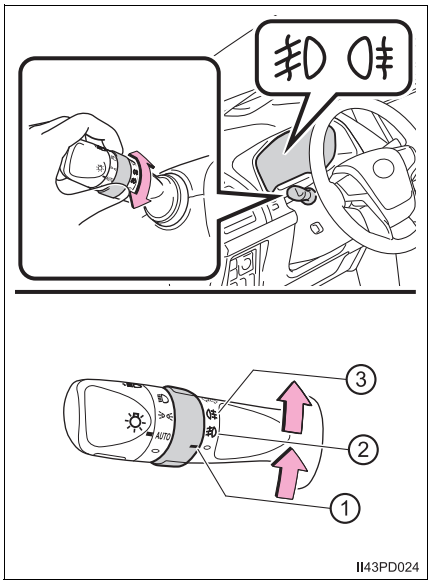
② Turns the front fog lights on

③ Turns both front and rear fog lights on

Releasing the switch ring returns it to .

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

*: If equipped

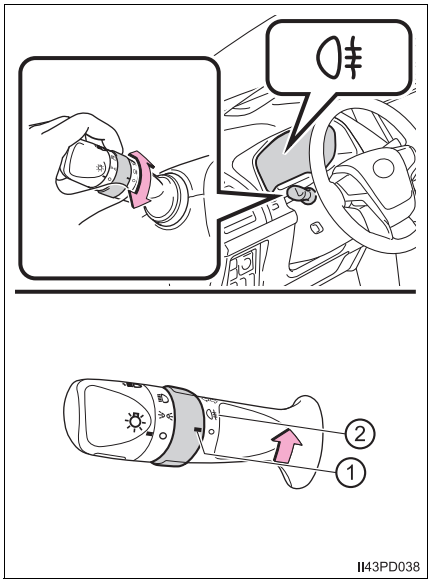


▶ Rear fog light switch

① Turns the rear fog lights off

② Turns the rear fog lights on

Releasing the switch ring returns it to .



■ **Fog lights can be used when**

▶ Vehicles with front and rear fog lights

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

▶ Vehicles with rear fog lights only

The headlights or front position lights are turned on.

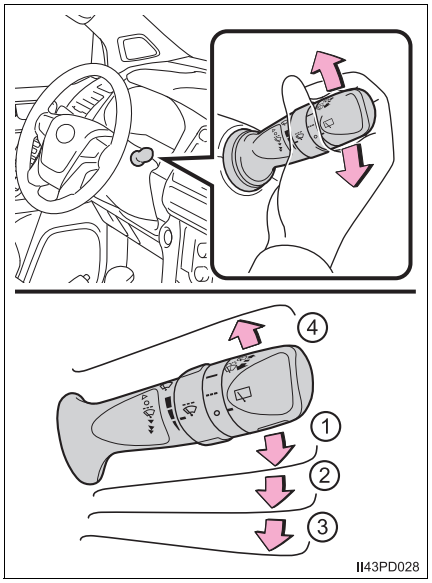
Windshield wipers and washer

Operating the wiper lever

The wiper operation is selected by moving the lever as follows.

▶ Intermittent windshield wipers with interval adjuster

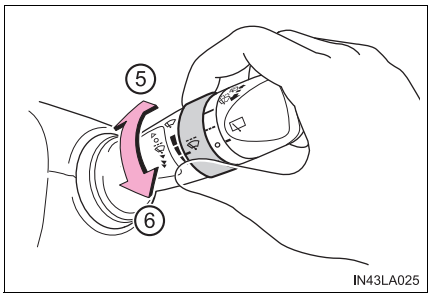
① Intermittent operation
② Low speed operation
③ High speed operation
④ Temporary operation



Wiper intervals can be adjusted when intermittent operation is selected.

⑤ Increases the intermittent windshield wiper frequency

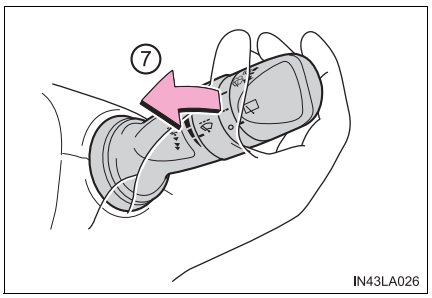
⑥ Decreases the intermittent windshield wiper frequency



⑦ Washer/wiper dual operation

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

Vehicles with headlight cleaners: If the headlights are on, the headlight cleaners will operate once.



▶ Rain-sensing windshield wipers

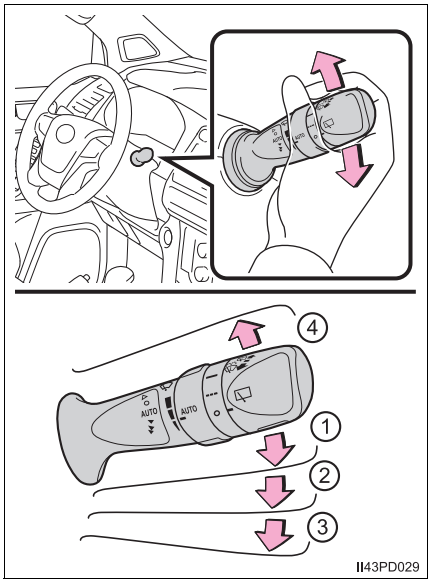
① Rain-sensing operation (“AUTO”)

② Low speed operation

③ High speed operation

④ Temporary operation

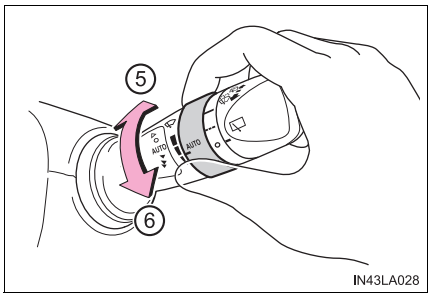
When “AUTO” is selected, the wipers will operate automatically when the sensor detects falling rain. The system automatically adjusts wiper timing in accordance with rain volume and vehicle speed.



The sensor sensitivity can be adjusted when “AUTO” is selected.

ⓢ Increases the sensitivity

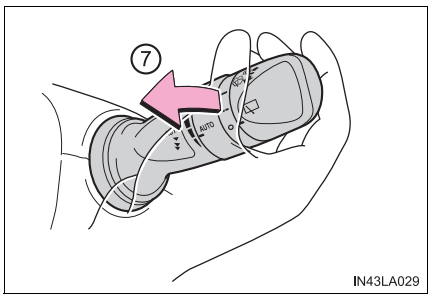
ⓣ Decreases the sensitivity



ⓤ Washer/wiper dual operation

The wipers operate automatically. (After operating several times, the wipers operate one more time after a short delay to prevent dripping.)

Vehicles with headlight cleaners: If the headlights are on, the headlight cleaners will operate once.



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

▶ Vehicles without a smart entry & start system

The engine switch is in the “ON” position.

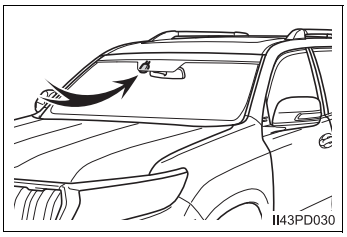
▶ Vehicles with a smart entry & start system

The engine switch is in IGNITION ON mode.

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

● The raindrop sensor judges the amount of raindrops.

An optical sensor is adopted. It may not operate properly when sunlight from the rising or setting of the sun intermittently strikes the windshield, or if bugs etc. are present on the windshield.



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

● When the sensor sensitivity ring is turned toward high while in “AUTO” mode, the wipers will operate once to indicate that the sensor sensitivity is enhanced.

● If the temperature of the raindrop sensor is 90°C (194°F) or higher, or -15°C (5°F) or lower, automatic operation may not occur. In this case, operate the wipers in any mode other than “AUTO”.

■ **Washer nozzle heaters (if equipped)**

The washer nozzle heaters operate when the outside temperature is 5°C (41°F) or less and the engine switch is in IGNITION ON mode.

■ **If no windshield washer fluid sprays**

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

WARNING

■ **Caution regarding the use of windshield wipers in "AUTO" mode (vehicles with rain-sensing windshield wipers)**

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

■ **Caution regarding the use of washer fluid**

When it is cold, do not use the washer fluid until the windshield becomes warm. The fluid may freeze on the windshield and cause low visibility. This may lead to an accident, resulting in death or serious injury.

■ **When the washer nozzle heaters are operating (if equipped)**

Do not touch the area around the washer nozzle heaters, as they can become very hot and burn you.

NOTICE

■ **When the windshield is dry**

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

■ **When the washer fluid tank is empty**

Do not operate the switch continually as the washer fluid pump may overheat.

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

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

■ **When a nozzle becomes blocked**

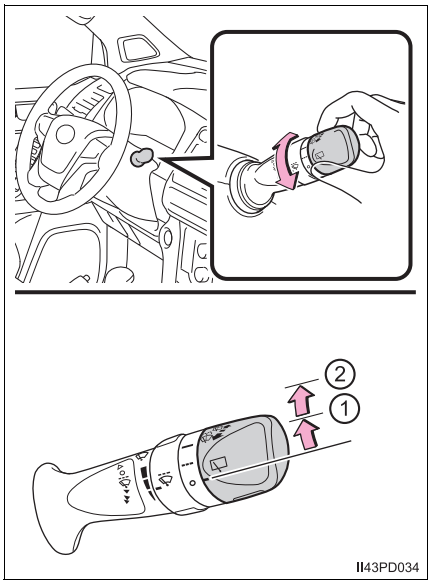
Do not try to clear it with a pin or other object. The nozzle will be damaged.

Rear window wiper and washer

Turning the end of the lever turns on the rear window wiper, and pushing the lever away from you turns on the rear window wiper and washer.

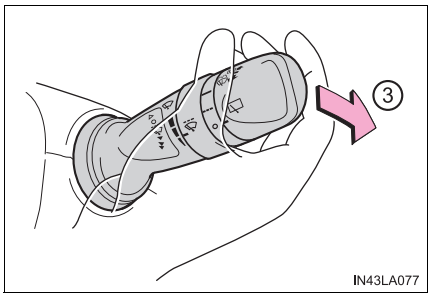
① Intermittent operation

② Normal operation



③ Washer/wiper dual operation

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



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

- Vehicles without a smart entry & start system: The engine switch is in the “ON” position.

  Vehicles with a smart entry & start system: The engine switch is in IGNITION ON mode.
- The glass hatch (if equipped) is closed.

■ **If no washer fluid sprays**

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

⚠ NOTICE

■ **When the rear window is dry**

Do not use the wiper, as it may damage the rear window.

■ **When the washer fluid tank is empty**

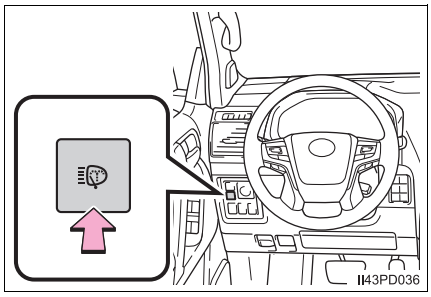
Do not operate the switch continually as the washer fluid pump may overheat.

Headlight cleaner switch*

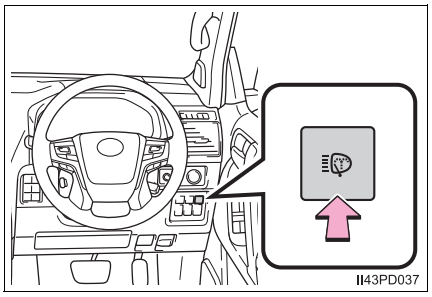
Washer fluid can be sprayed on the headlights.

Press the switch to clean the headlights.

▶ Left-hand drive vehicles



▶ Right-hand drive vehicles



■ **The headlight cleaners can be operated when**

▶ Vehicles without a smart entry & start system

The engine switch is in the “ON” position and the headlight switch is turned on.
If equipped, the headlight switch is in the “AUTO” position and the headlight is on.

▶ Vehicles with a smart entry & start system

The engine switch is in IGNITION ON mode and the headlight switch is turned on.
If equipped, the headlight switch is in the “AUTO” position and the headlight is on.

*: If equipped

■ **Windshield washer linked operation**

▶ Vehicles without a smart entry & start system

When the windshield washer is operated with the engine switch is in the “ON” position and the headlight on, the headlight cleaners will operate once. (→P. 318)

▶ Vehicles with a smart entry & start system

When the windshield washer is operated with the engine switch is in IGNITION ON mode and the headlight on, the headlight cleaners will operate once. (→P. 318)

⚠ NOTICE

■ **When the washer fluid tank is empty**

Do not press the switch continually as the washer fluid pump may overheat.

Opening the fuel tank cap

Perform the following steps to open the fuel tank cap.

Before refueling the vehicle

- Turn the engine switch to the “LOCK” position (vehicles without a smart entry & start system) or off (vehicles with smart entry & start system) and ensure that all the doors and windows are closed.
- Confirm the type of fuel.

Fuel types

→P. 806

Fuel tank opening for unleaded gasoline

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

WARNING

■ **When refueling the vehicle**

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

- After exiting the vehicle and before opening the fuel door, touch an unpainted metal surface to discharge any static electricity. It is important to discharge static electricity before refueling because sparks resulting from static electricity can cause fuel vapors to ignite while refueling.
- Always hold the grips on the fuel tank cap and turn it slowly to remove it.
  A whooshing sound may be heard when the fuel tank cap is loosened. Wait until the sound cannot be heard before fully removing the cap. In hot weather, pressurized fuel may spray out the filler neck and cause injury.
- Do not allow anyone that has not discharged static electricity from their body to come close to an open fuel tank.
- Do not inhale vaporized fuel.
  Fuel contains substances that are harmful if inhaled.
- Do not smoke while refueling the vehicle.
  Doing so may cause the fuel to ignite and cause a fire.
- Do not return to the vehicle or touch any person or object that is statically charged.
  This may cause static electricity to build up, resulting in a possible ignition hazard.

WARNING

When refueling

Observe the following precautions to prevent fuel overflowing from the fuel tank:

- Securely insert the fuel nozzle into the fuel filler neck.
- Stop filling the tank after the fuel nozzle automatically clicks off.
- Do not top off the fuel tank.

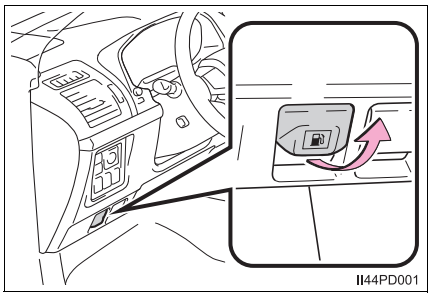
NOTICE

Refueling

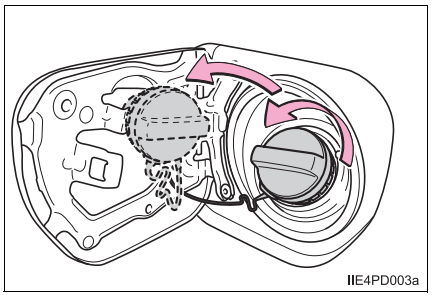
Do not spill fuel during refueling.
Doing so may damage the vehicle, such as causing the emission control systems to operate abnormally or damaging fuel system components or the vehicle's painted surface.

Opening the fuel tank cap

1 Pull up the opener to open the fuel filler door.

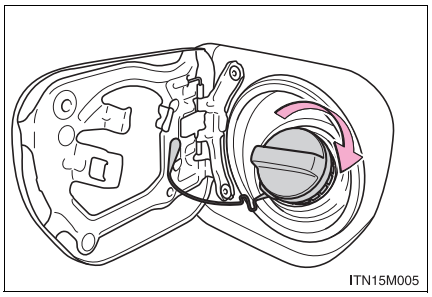


2 Turn the fuel tank cap slowly to open, and hang the fuel tank cap on the back of the fuel filler door.



Closing the fuel tank cap

After refueling, turn the fuel tank cap until you hear a click. Once the cap is released, it will turn slightly in the opposite direction.



WARNING

■ When replacing the fuel tank cap

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

Toyota Safety Sense*

The Toyota Safety Sense consists of the following drive assist systems and contributes to a safe and comfortable driving experience:

◆ **PCS (Pre-Crash Safety system)**

→P. 345

◆ **LDA (Lane Departure Alert)**

→P. 358

◆ **RSA (Road Sign Assist)**

→P. 367

◆ **Dynamic radar cruise control**

→P. 372

◆ **Automatic High Beam**

→P. 311

⚠ WARNING

■ **Toyota Safety Sense**

The Toyota Safety Sense is designed to operate under the assumption that the driver will drive safely, and is designed to help reduce the impact to the occupants and the vehicle in the case of a collision or assist the driver in normal driving conditions.

As there is a limit to the degree of recognition accuracy and control performance that this system can provide, do not overly rely on this system. The driver is always responsible for paying attention to the vehicle's surroundings and driving safely.

*: If equipped

Vehicle data recording

The pre-crash safety system is equipped with a sophisticated computer that will record certain data, such as:

- Accelerator status
- Brake status
- Vehicle speed
- Operation status of the pre-crash safety system functions
- Information (such as the distance and relative speed between your vehicle and the vehicle ahead or other objects)

The pre-crash safety system does not record conversations, sounds or pictures.

● Data usage

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

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

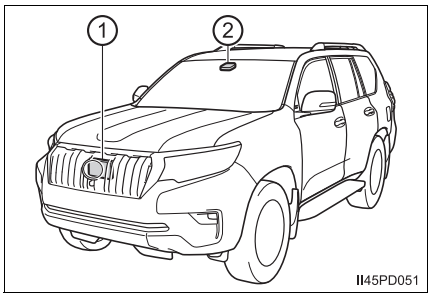
- With the consent of the vehicle owner or with the consent of the lessee if the vehicle is leased
- In response to an official request by the police, a court of law or a government agency
- For use by Toyota in a lawsuit
- For research purposes where the data is not tied to a specific vehicle or vehicle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

Sensors

Two types of sensors, located behind the front grille and windshield, detect information necessary to operate the drive assist systems.

① Radar sensor

② Camera sensor



WARNING

■ **To avoid malfunction of the radar sensor**

Observe the following precautions.

Otherwise, the radar sensor may not operate properly, possibly leading to an accident resulting in death or serious injury.

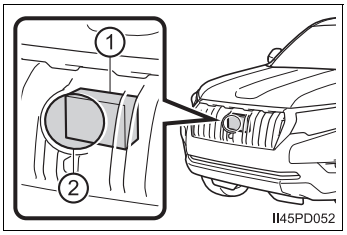
- Keep the radar sensor and front grille emblem clean at all times.

① Radar sensor

② Front grille emblem

If the front of the radar sensor or the front or back of the front grille emblem is dirty or covered with water droplets, snow, etc., clean it.

Clean the radar sensor and front grille emblem with a soft cloth so you do not mark or damage them.



- Do not attach accessories, stickers (including transparent stickers) or other items to the radar sensor, front grille emblem or surrounding area.
- Do not subject the radar sensor or surrounding area to a strong impact. If the radar sensor, front grille, or front bumper has been subjected to a strong impact, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- Do not disassemble the radar sensor.
- Do not modify or paint the radar sensor, front grille emblem or surrounding area.
- If the radar sensor, front grille, or front bumper needs to be removed and installed, or replaced, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

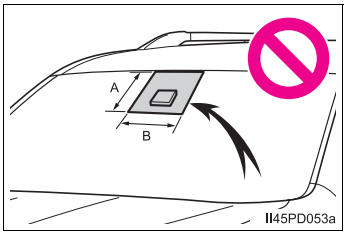
WARNING

■ **To avoid malfunction of the camera sensor**

Observe the following precautions.

Otherwise, the camera sensor may not operate properly, possibly leading to an accident resulting in death or serious injury.

- Keep the windshield clean at all times.
  - If the windshield is dirty or covered with an oily film, water droplets, snow, etc., clear the windshield.
  - If a glass coating agent is applied to the windshield, it will still be necessary to use the windshield wipers to remove water droplets, etc. from the area of the windshield in front of the camera sensor.
  - If the inner side of the windshield where the camera sensor is installed is dirty, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- Do not attach objects, such as stickers, transparent stickers, and so forth to the outer side of the windshield in front of the camera sensor (shaded area in the illustration).
  A: From the top of the windshield to approximately 1 cm (0.4 in.) below the bottom of the camera sensor
  B: Approximately 20 cm (7.9 in.) (Approximately 10 cm (4.0 in.) to the right and left from the center of the camera sensor)



- If the part of the windshield in front of the camera sensor is fogged up or covered with condensation or ice, use the windshield defogger to remove the fog, condensation or ice. (→P. 531, 540)
- If water droplets cannot be properly removed from the area of the windshield in front of the camera sensor by the windshield wipers, replace the wiper insert or wiper blade.
  If the wiper inserts or wiper blades need to be replaced, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- Do not attach window tinting to the windshield.
- Replace the windshield if it is damaged or cracked.
  If the windshield needs to be replaced, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- Do not get the camera sensor wet.
- Do not allow bright lights to shine into the camera sensor.

WARNING

- Do not dirty or damage the camera sensor.
  When cleaning the inside of the windshield, do not allow glass cleaner to contact the lens. Also, do not touch the lens.
  If the lens is dirty or damaged, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- Do not subject the camera sensor to a strong impact.
- Do not change the installation position or direction of the camera sensor or remove it.
- Do not disassemble the camera sensor.
- Do not modify any components of the vehicle around the camera sensor (inside rear view mirror, etc.) or ceiling.
- Do not attach any accessories that may obstruct the camera sensor to the hood, front grille or front bumper. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer for details.
- If a surfboard or other long object is to be mounted on the roof, make sure that it will not obstruct the camera sensor.
- Do not modify the headlights or other lights.

■ **Certification for the radar sensor**

Transmitter:	Model: DNMWR008 Operation frequency: 76.5 GHz Maximum output power: 2.14 W or less
Manufacturer:	DENSO CORPORATION
Address:	1-1, Showa-cho, Kariya-shi, Aichi-ken, 448-8661 Japan

Hereby, DENSO CORPORATION declares that the radio equipment type is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: https://www.denso.com/global/en/contact-us/doc/ 01
DENSO CORPORATION vakuuttaa, että radiolaitetyyppi on direktiivin 2014/53/EU mukainen. EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: https://www.denso.com/global/en/contact-us/doc/ 02
Hierbij verklaar ik, DENSO CORPORATION, dat het type radioapparatuur conform is met Richtlijn 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: https://www.denso.com/global/en/contact-us/doc/ 03
Le soussigné, DENSO CORPORATION, déclare que l'équipement radioélectrique du type est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: https://www.denso.com/global/en/contact-us/doc/ 04

Härmed försäkrar DENSO CORPORATION att denna typ av radioutrustning överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: https://www.denso.com/global/en/contact-us/doc/ 05
Hermed erklærer DENSO CORPORATION, at radioudstyrstypen er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: https://www.denso.com/global/en/contact-us/doc/ 06
Hiermit erklärt DENSO CORPORATION, dass der Funkanlagentyp der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: https://www.denso.com/global/en/contact-us/doc/ 07
Με την παρούσα ο/η DENSO CORPORATION, δηλώνει ότι ο ραδιοεξοπλισμός πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: https://www.denso.com/global/en/contact-us/doc/ 08
Il fabbricante, DENSO CORPORATION, dichiara che il tipo di apparecchiatura radio è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: https://www.denso.com/global/en/contact-us/doc/ 09

Por la presente, DENSO CORPORATION declara que el tipo de equipo radioeléctrico es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: https://www.denso.com/global/en/contact-us/doc/ 10
O(a) abaixo assinado(a) DENSO CORPORATION declara que o presente tipo de equipamento de rádio está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: https://www.denso.com/global/en/contact-us/doc/ 11
B'dan, DENSO CORPORATION, niddikjara li dan it-tip ta' tagħmir tar-radju huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: https://www.denso.com/global/en/contact-us/doc/ 12
Käesolevaga deklareerib DENSO CORPORATION, et käesolev raadioseadme tüüp vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: https://www.denso.com/global/en/contact-us/doc/ 13
DENSO CORPORATION igazolja, hogy a típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: https://www.denso.com/global/en/contact-us/doc/ 14

DENSO CORPORATION týmto vyhlasuje, že rádiové zariadenie typu je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: https://www.denso.com/global/en/contact-us/doc/ 15
Tímto DENSO CORPORATION prohlašuje, že typ rádiového zařízení je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: https://www.denso.com/global/en/contact-us/doc/ 16
DENSO CORPORATION potrjuje, da je tip radijske opreme skladen z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: https://www.denso.com/global/en/contact-us/doc/ 17
Aš, DENSO CORPORATION, patvirtinu, kad radijo įrenginių tipas atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: https://www.denso.com/global/en/contact-us/doc/ 18
Ar šo DENSO CORPORATION deklarē, ka radioiekārta atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: https://www.denso.com/global/en/contact-us/doc/ 19

DENSO CORPORATION niniejszym oświadcza, że typ urządzenia radiowego jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: https://www.denso.com/global/en/contact-us/doc/ 20
Hér með lýsir DENSO CORPORATION yfir því að er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 2014/53/EU. Samræmisyfirlýsing er einnig aðgengileg á eftirfarandi vefslóð: https://www.denso.com/global/en/contact-us/doc/ 21
DENSO CORPORATION erklærer at er i overensstemmelse med direktiv 2014/53/EU. Samsvarserklæringen i fulltekst er tilgjengelig på følgende internettadresse: https://www.denso.com/global/en/contact-us/doc/ 22
С настоящото DENSO CORPORATION декларира, че този тип радиосъоръжение е в съответствие с Директива 2014/53/ЕС. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: https://www.denso.com/global/en/contact-us/doc/ 23
Prin prezenta, DENSO CORPORATION declară că tipul de echipamente radio este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: https://www.denso.com/global/en/contact-us/doc/ 24

DENSO CORPORATION ovime izjavljuje da je radijska oprema tipa u skladu s Direktivom 2014/53/EU.
Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi:
https://www.denso.com/global/en/contact-us/doc/

25

Овиме, DENSO CORPORATION изјављује да је радио опрема тип усаглашена са Директивом 2014/53/EU.
Цео текст ЕУ декларације о усаглашености доступам је на следећој интернет адреси:
https://www.denso.com/global/en/contact-us/doc/

26

Amb aquest document, DENSO CORPORATION declara que el tipus d'equipament radioelèctric es conforme a la Directiva 2014/53/UE.
El text complet de la declaració UE de conformitat està disponible en la següent adreça d'Internet:
https://www.denso.com/global/en/contact-us/doc/

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İşbu belge; DENSO CORPORATION telsiz ekipmanı tipinin 2014/53/AB sayılı Direktif'e uygun olduğunu beyan eder.
AB uygunluk beyanının tam metni aşağıdaki internet adresinde mevcuttur:
https://www.denso.com/global/en/contact-us/doc/

28

Nepermjet kesaj, DENSO CORPORATION, deklaroj qe ky DNMWR008 eshte ne pajtim me kerkesat thelbesore dhe dispozitat e tjera perkatese te Direktives 1999/5/EC.

29

CE The latest "DECLARATION of CONFORMITY" (DoC) is available at the following address:
https://www.denso.com/global/en/contact-us/doc/

▶ Vehicles sold in Israel

טויוטה מוטור אירופה נו\סא, שדרות דו בורגט 60-1140 בריסל,

בלגיה www.toyota-europe.com

מוצר : מכ"מ התראה
סימן רשום : DENSO
ארץ ייצור : ראה מוצר
דגם : DNMWR008
שנת ייצור : ראה מוצר

PCS (Pre-Crash Safety system)*

The pre-crash safety system uses a radar sensor and camera sensor to detect vehicles and pedestrians*1 in front of your vehicle. When the system determines that the possibility of a frontal collision with a vehicle or pedestrian is high, a warning operates to urge the driver to take evasive action and the potential brake pressure is increased to help the driver avoid the collision. If the system determines that the possibility of a frontal collision with a vehicle or pedestrian is extremely high, the brakes are automatically applied to help avoid the collision or help reduce the impact of the collision.

The pre-crash safety system can be disabled/enabled and the warning timing can be changed. (→P. 349)

*1: Depending on the region in which the vehicle was sold, the pedestrian detection function may not be available. See the following table for details.

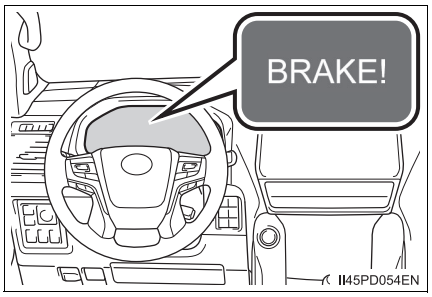
Countries/areas	Function availability	Regions
Except for Russia and Ukraine	The pedestrian detection function is available	Region A
For Russia and Ukraine	The pedestrian detection function is not available	Region B

The countries and areas for each region listed in the table are current as of May 2018. However, depending on when the vehicle was sold, the countries and areas of each region may be different. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer for details.

*: If equipped

◆ Pre-crash warning

When the system determines that the possibility of a frontal collision is high, a buzzer will sound and a warning message will be displayed on the multi-information display to urge the driver to take evasive action.



◆ Pre-crash brake assist

When the system determines that the possibility of a frontal collision is high, the system applies greater braking force in relation to how strongly the brake pedal is depressed.

◆ Pre-crash braking

When the system determines that the possibility of a frontal collision is high, the system warns the driver. If the system determines that the possibility of a frontal collision is extremely high, the brakes are automatically applied to help avoid the collision or reduce the collision speed.

◆ Suspension control (if equipped)

When the system determines that the possibility of a frontal collision is high, the Adaptive Variable Suspension system* will control the damping force of the shock absorbers to help maintain an appropriate vehicle posture.

*: Refer to the “Off-road Driving Owner’s Manual”

WARNING

■ **Limitations of the pre-crash safety system**

- The driver is solely responsible for safe driving. Always drive safely, taking care to observe your surroundings.
  Do not use the pre-crash safety system instead of normal braking operations under any circumstances. This system will not prevent collisions or lessen collision damage or injury in every situation. Do not overly rely on this system. Failure to do so may lead to an accident, resulting in death or serious injury.
- Although this system is designed to help avoid a collision or help reduce the impact of the collision, its effectiveness may change according to various conditions, therefore the system may not always be able to achieve the same level of performance.
  Read the following conditions carefully. Do not overly rely on this system and always drive carefully.
  - Conditions under which the system may operate even if there is no possibility of a collision: →P. 352
  - Conditions under which the system may not operate properly: →P. 354
- Do not attempt to test the operation of the pre-crash safety system yourself, as the system may not operate properly, possibly leading to an accident.

■ **Pre-crash braking**

- When the pre-crash braking function is operating, a large amount of braking force will be applied.
- If the vehicle is stopped by the operation of the pre-crash braking function, the pre-crash braking function operation will be canceled after approximately 2 seconds. Depress the brake pedal as necessary.
- The pre-crash braking function may not operate if certain operations are performed by the driver. If the accelerator pedal is being depressed strongly or the steering wheel is being turned, the system may determine that the driver is taking evasive action and possibly prevent the pre-crash braking function from operating.
- In some situations, while the pre-crash braking function is operating, operation of the function may be canceled if the accelerator pedal is depressed strongly or the steering wheel is turned and the system determines that the driver is taking evasive action.
- If the brake pedal is being depressed, the system may determine that the driver is taking evasive action and possibly delay the operation timing of the pre-crash braking function.

WARNING

■ **When to disable the pre-crash safety system**

In the following situations, disable the system, as it may not operate properly, possibly leading to an accident resulting in death or serious injury:

- When the vehicle is being towed
- When your vehicle is towing another vehicle
- When transporting the vehicle via truck, boat, train or similar means of transportation
- When the vehicle is raised on a lift with the engine running and the tires are allowed to rotate freely
- When inspecting the vehicle using a drum tester such as a chassis dynamometer or speedometer tester, or when using an on vehicle wheel balancer
- When a strong impact is applied to the front bumper or front grille, due to an accident or other reasons
- If the vehicle cannot be driven in a stable manner, such as when the vehicle has been in an accident or is malfunctioning
- When the vehicle is driven in a sporty manner or off-road
- When the tires are not properly inflated
- When the tires are very worn
- When tires of a size other than specified are installed
- When tire chains are installed
- When a spare tire or an emergency tire puncture repair kit is used
- If equipment (snow plow, etc.) that may obstruct the radar sensor or camera sensor is temporarily installed to the vehicle

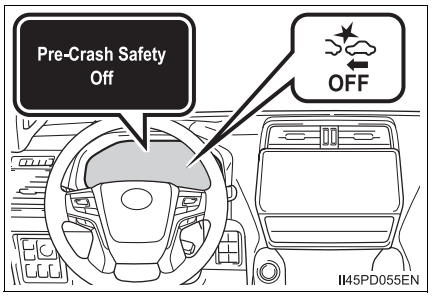
Changing settings of the pre-crash safety system

■ Enabling/disabling the pre-crash safety system

The pre-crash safety system can be enabled/disabled on ⚙ (→P. 129) of the multi-information display.

The system is automatically enabled each time the engine switch is turned to IGNITION ON mode.

If the system is disabled, the PCS warning light will turn on and a message will be displayed on the multi-information display.



■ Changing the pre-crash warning timing

The pre-crash warning timing can be changed on ⚙ (→P. 129) of the multi-information display.

The operation timing setting is retained when the engine switch is turned off.

① Far

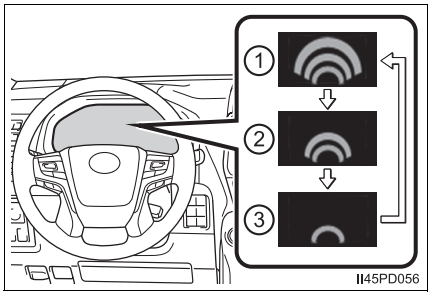
The warning will begin to operate earlier than with the default timing.

② Middle

This is the default setting.

③ Near

The warning will begin to operate later than with the default timing.



■ **Operational conditions**

Availability of the pedestrian detection function depends on the region in which the vehicle was sold. (For specific countries/areas: →P. 345)

Read the following for details:

▶ Region A
(The pedestrian detection function is available)

The pre-crash safety system is enabled and the system determines that the possibility of a frontal collision with a vehicle or pedestrian is high.

Each function is operational at the following speeds:

- Pre-crash warning:
  - Vehicle speed is between approximately 10 and 180 km/h (7 and 110 mph). (For detecting a pedestrian, vehicle speed is between approximately 10 and 80 km/h [7 and 50 mph].)
  - The relative speed between your vehicle and the vehicle or pedestrian ahead is approximately 10 km/h (7 mph) or more.
- Pre-crash brake assist:
  - Vehicle speed is between approximately 30 and 180 km/h (20 and 110 mph). (For detecting a pedestrian, vehicle speed is between approximately 30 and 80 km/h [20 and 50 mph].)
  - The relative speed between your vehicle and the vehicle or pedestrian ahead is approximately 30 km/h (20 mph) or more.
- Pre-crash braking:
  - Vehicle speed is between approximately 10 and 180 km/h (7 and 110 mph). (For detecting a pedestrian, vehicle speed is between approximately 10 and 80 km/h [7 and 50 mph].)
  - The relative speed between your vehicle and the vehicle or pedestrian ahead is approximately 10 km/h (7 mph) or more.

The system may not operate in the following situations:

- If a battery terminal has been disconnected and reconnected and then the vehicle has not been driven for a certain amount of time
- If the shift lever is in R
- If VSC is disabled (only the pre-crash warning function will be operational)
- If the low speed four-wheel drive indicator is illuminated (only the pre-crash warning function will be operational)

▶ Region B
(The pedestrian detection function is not available)

The pre-crash safety system is enabled and the system determines that the possibility of a frontal collision with a vehicle is high.

Each function is operational at the following speeds:

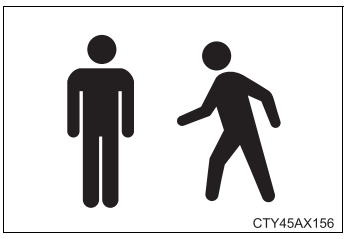
- Pre-crash warning:
  - Vehicle speed is between approximately 15 and 180 km/h (10 and 110 mph).
  - The relative speed between your vehicle and the vehicle ahead is approximately 10 km/h (7 mph) or more.
- Pre-crash brake assist:
  - Vehicle speed is between approximately 30 and 180 km/h (20 and 110 mph).
  - The relative speed between your vehicle and the vehicle ahead is approximately 30 km/h (20 mph) or more.
- Pre-crash braking:
  - Vehicle speed is between approximately 15 and 180 km/h (10 and 110 mph).
  - The relative speed between your vehicle and the vehicle ahead is approximately 10 km/h (7 mph) or more.

The system may not operate in the following situations:

- If a battery terminal has been disconnected and reconnected and then the vehicle has not been driven for a certain amount of time
- If the shift lever is in R
- If VSC is disabled (only the pre-crash warning function will be operational)
- If the low speed four-wheel drive indicator is illuminated (only the pre-crash warning function will be operational)

Pedestrian detection function*2

The pre-crash safety system detects pedestrians based on the size, profile, and motion of a detected object. However, a pedestrian may not be detected depending on the surrounding brightness and the motion, posture, and angle of the detected object, preventing the system from operating properly. (→P. 356)


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*2: For countries/areas specified as Region B (→P. 345), the pedestrian detection function may not be available.

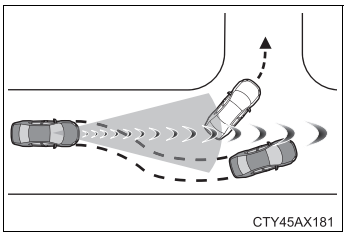
■ **Cancelation of the pre-crash braking**

If either of the following occur while the pre-crash braking function is operating, it will be canceled:

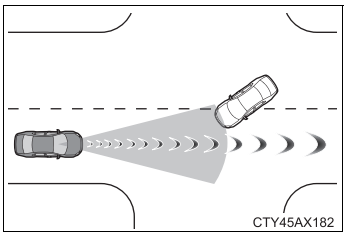
- The accelerator pedal is depressed strongly.
- The steering wheel is turned sharply or abruptly.

■ **Conditions under which the system may operate even if there is no possibility of a collision**

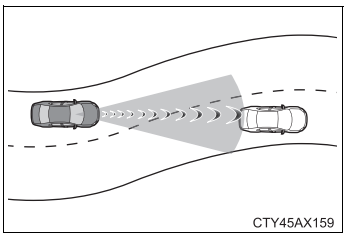
- In some situations such as the following, the system may determine that there is a possibility of a frontal collision and operate.
  - When passing a vehicle or pedestrian*2
  - When changing lanes while overtaking a preceding vehicle
  - When overtaking a preceding vehicle that is changing lanes
  - When overtaking a preceding vehicle that is making a left/right turn



  - When passing a vehicle in an oncoming lane that is stopped to make a right/left turn

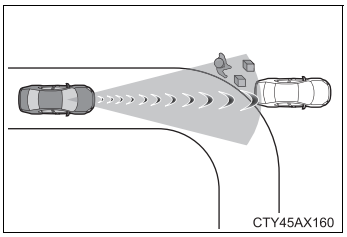


  - When driving on a road where relative location to vehicle ahead in an adjacent lane may change, such as on a winding road

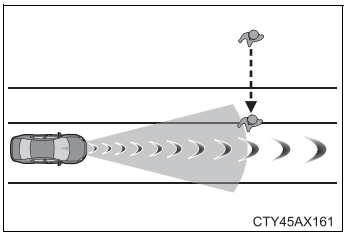


  - When rapidly closing on a vehicle ahead
  - If the front of the vehicle is raised or lowered, such as when the road surface is uneven or undulating
  - When approaching objects on the roadside, such as guardrails, utility poles, trees, or walls

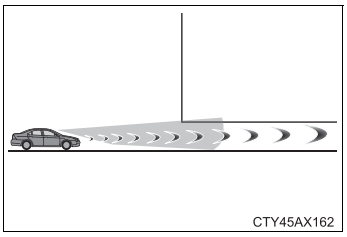
- When there is a vehicle, pedestrian*2, or object by the roadside at the entrance of a curve



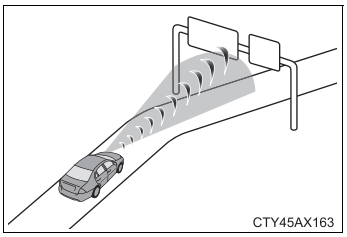
- When driving on a narrow path surrounded by a structure, such as in a tunnel or on an iron bridge
- When there is a metal object (manhole cover, steel plate, etc.), steps, or a protrusion on the road surface or roadside
- When a crossing pedestrian approaches very close to the vehicle*2



- When passing through a place with a low structure above the road (low ceiling, traffic sign, etc.)

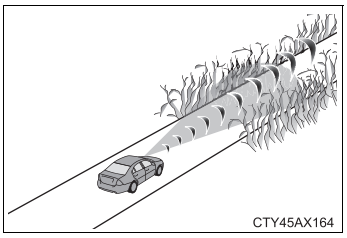


- When passing under an object (billboard, etc.) at the top of an uphill road



- When rapidly closing on an electric toll gate barrier, parking area barrier, or other barrier that opens and closes
- When using an automatic car wash

- When driving through or under objects that may contact the vehicle, such as thick grass, tree branches, or a banner


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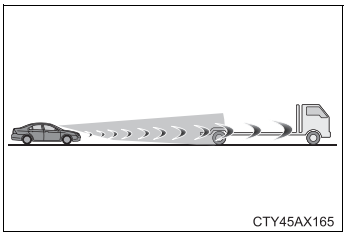
- When the vehicle is hit by water, snow, dust, etc. from a vehicle ahead
- When driving through steam or smoke
- When there are patterns or paint on the road or a wall that may be mistaken for a vehicle or pedestrian*2
- When driving near an object that reflects radio waves, such as a large truck or guardrail
- When driving near a TV tower, broadcasting station, electric power plant, or other location where strong radio waves or electrical noise may be present

*2: For countries/areas specified as Region B (→P. 345), the pedestrian detection function may not be available.

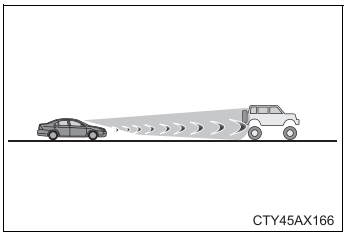
■ **Situations in which the system may not operate properly**

● In some situations such as the following, a vehicle may not be detected by the radar sensor and camera sensor, preventing the system from operating properly:

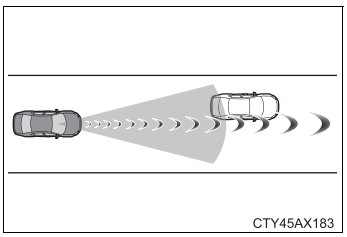
- If an oncoming vehicle is approaching your vehicle
- If a vehicle ahead is a motorcycle or bicycle
- When approaching the side or front of a vehicle
- If a preceding vehicle has a small rear end, such as an unloaded truck
- If a preceding vehicle has a low rear end, such as a low bed trailer


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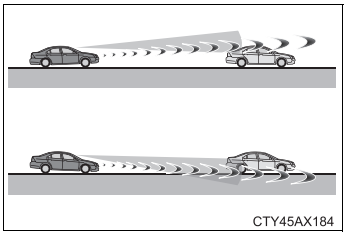
- If a vehicle ahead is carrying a load which protrudes past its rear bumper
- If a vehicle ahead has extremely high ground clearance


CTY45AX166

- If a vehicle ahead is irregularly shaped, such as a tractor or side car
- If the sun or other light is shining directly on a vehicle ahead
- If a vehicle cuts in front of your vehicle or emerges from beside a vehicle
- If a vehicle ahead makes an abrupt maneuver (such as sudden swerving, acceleration or deceleration)
- When suddenly cutting behind a preceding vehicle
- When a vehicle ahead is not directly in front of your vehicle


CTY45AX183

- When driving in inclement weather such as heavy rain, fog, snow or a sandstorm
- When the vehicle is hit by water, snow, dust, etc. from a vehicle ahead
- When driving through steam or smoke
- When driving in a place where the surrounding brightness changes suddenly, such as at the entrance or exit of a tunnel
- When a very bright light, such as the sun or the headlights of oncoming traffic, shines directly into the camera sensor
- When the surrounding area is dim, such as at dawn or dusk, or while at night or in a tunnel
- After the engine has started the vehicle has not been driven for a certain amount of time
- While making a left/right turn and for a few seconds after making a left/right turn
- While driving on a curve and for a few seconds after driving on a curve
- If your vehicle is skidding
- If the front of the vehicle is raised or lowered


CTY45AX184

- If the wheels are misaligned
- If a wiper blade is blocking the camera sensor
- The vehicle is wobbling.
- The vehicle is being driven at extremely high speeds.
- When driving on a hill
- If the radar sensor or camera sensor is misaligned

- In some situations such as the following, sufficient braking force may not be obtained, preventing the system from performing properly:
  - If the braking functions cannot operate to their full extent, such as when the brake parts are extremely cold, extremely hot, or wet
  - If the vehicle is not properly maintained (brakes or tires are excessively worn, improper tire inflation pressure, etc.)
  - When the vehicle is being driven on a gravel road or other slippery surface
- Some pedestrians such as the following may not be detected by the radar sensor and camera sensor, preventing the system from operating properly*2:
  - Pedestrians shorter than approximately 1 m (3.2 ft.) or taller than approximately 2 m (6.5 ft.)
  - Pedestrians wearing oversized clothing (a rain coat, long skirt, etc.), making their silhouette obscure
  - Pedestrians who are carrying large baggage, holding an umbrella, etc., hiding part of their body
  - Pedestrians who are bending forward or squatting
  - Pedestrians who are pushing a stroller, wheelchair, bicycle or other vehicle
  - Groups of pedestrians which are close together
  - Pedestrians who are wearing white and look extremely bright
  - Pedestrians in the dark, such as at night or while in a tunnel
  - Pedestrians whose clothing appears to be nearly the same color or brightness as their surroundings
  - Pedestrians near walls, fences, guardrails, or large objects
  - Pedestrians who are on a metal object (manhole cover, steel plate, etc.) on the road
  - Pedestrians who are walking fast
  - Pedestrians who are changing speed abruptly
  - Pedestrians running out from behind a vehicle or a large object
  - Pedestrians who are extremely close to the side of the vehicle (outside rear view mirror, etc.)

*2: For countries/areas specified as Region B (→P. 345), the pedestrian detection function may not be available.

■ **If the PCS warning light flashes or illuminates and a warning message is displayed on the multi-information display**

The pre-crash safety system may be temporarily unavailable or there may be a malfunction in the system.

- In the following situations, the warning light will turn off, the message will disappear and the system will become operational when normal operating conditions return:
  - When the radar sensor or camera sensor or the area around either sensor is hot, such as in the sun
  - When the radar sensor or camera sensor or the area around either sensor is cold, such as in an extremely cold environment
  - When a front sensor is dirty or covered with snow, etc.
  - When the part of the windshield in front of the camera sensor is fogged up or covered with condensation or ice
    (Defogging the windshield: →P. 531, 540)
  - If the camera sensor is obstructed, such as when the hood is open or a sticker is attached to the windshield near the camera sensor
- If the PCS warning light continues to flash or remains illuminated or the warning message does not disappear even though the vehicle has returned to normal, the system may be malfunctioning. Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.

■ **If VSC is disabled**

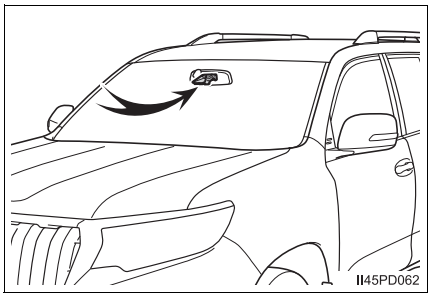
- If VSC is disabled (→P. 444), the pre-crash brake assist and pre-crash braking functions are also disabled.
- The PCS warning light will turn on and “VSC Turned Off Pre-Crash Brake System Unavailable” will be displayed on the multi-information display.

LDA (Lane Departure Alert)*

Summary of functions

When driving on roads with white (yellow) lines, this function alerts the driver when the vehicle might depart from its lane.

The LDA system recognizes visible white (yellow) lines with the camera sensor on the upper portion of the front windshield.

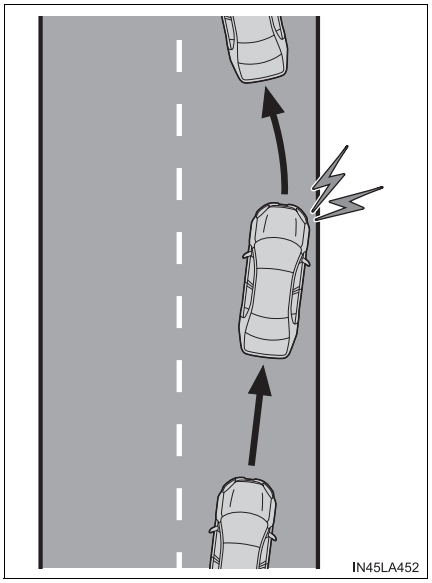


Functions included in LDA system

◆ Lane departure alert function

When the system determines that the vehicle might depart from its lane, a warning is displayed on the multi-information display and the warning buzzer sounds to alert the driver.

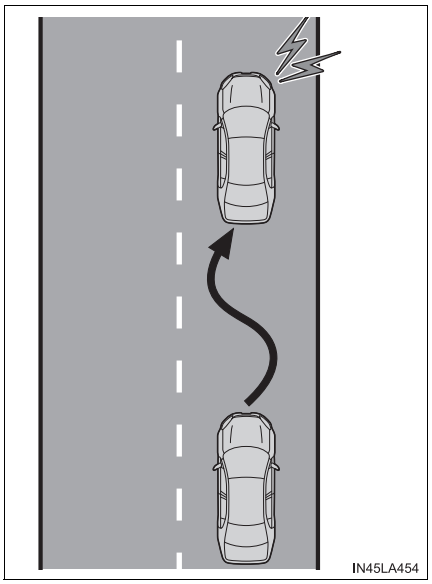
When the warning buzzer sounds, check the surrounding road situation and carefully operate the steering wheel to move the vehicle back to the center of the lane.



*: If equipped

◆ Vehicle sway warning function

When the vehicle is swaying or appears as if it may depart from its lane multiple times, the warning buzzer sounds and a message is displayed on the multi-information display to alert the driver.



⚠ WARNING

■ Before using LDA system

Do not rely solely upon the LDA system. The LDA system does not automatically drive the vehicle or reduce the amount of attention that must be paid to the area in front of the vehicle. The driver must always assume full responsibility for driving safely by paying careful attention to the surrounding conditions and operating the steering wheel to correct the path of the vehicle. Also, the driver must take adequate breaks when fatigued, such as from driving for a long period of time.

Failure to perform appropriate driving operations and pay careful attention may lead to an accident, resulting in death or serious injury.

WARNING

■ **To avoid operating LDA system by mistake**

When not using the LDA system, use the LDA switch to turn the system off.

■ **Situations unsuitable for LDA system**

Do not use the LDA system in the following situations.
The system may not operate properly and lead to an accident, resulting in death or serious injury.

- A spare tire, tire chains, etc. are equipped.
- Objects or patterns that could be mistaken for white (yellow) lines are present on the side of the road (guardrails, curbs, reflective poles, etc.).
- Vehicle is driven on a snow-covered road.
- White (yellow) lines are difficult to see due to rain, snow, fog, dust, etc.
- Asphalt repair marks, white (yellow) line marks, etc. are present due to road repair.
- Vehicle is driven in a temporary lane or restricted lane due to construction work.
- Vehicle is driven in a construction zone.

■ **Preventing LDA system malfunctions and operations performed by mistake**

- Do not modify the headlights or place stickers, etc. on the surface of the lights.
- Do not modify the suspension etc. If the suspension etc. needs to be replaced, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- Do not install or place anything on the hood or grille. Also, do not install a grille guard (bull bars, kangaroo bar, etc.).
- If your windshield needs repairs, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

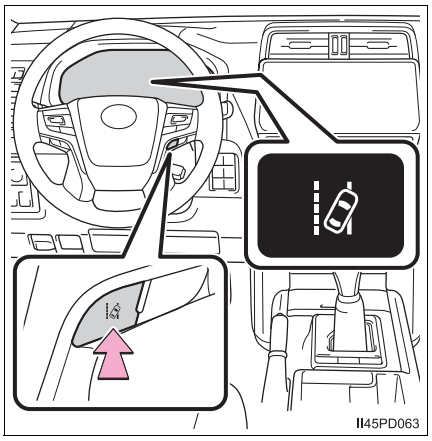
Turning LDA system on

Press the LDA switch to turn the LDA system on.

The LDA indicator illuminates and a message is displayed on the multi-information display.

Press the LDA switch again to turn the LDA system off.

When the LDA system is turned on or off, operation of the LDA system continues in the same condition the next time the engine is started.



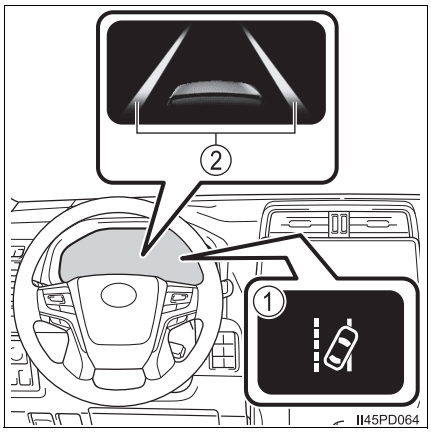
Indications on multi-information display

① LDA indicator

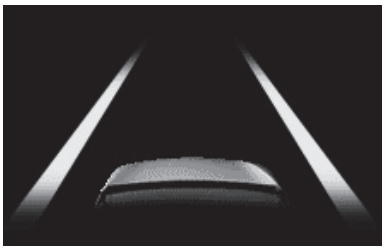
Illuminates when the LDA system is on.

② Lane departure alert function display

Displayed when the multi-information display is switched to the driving assist system information screen.

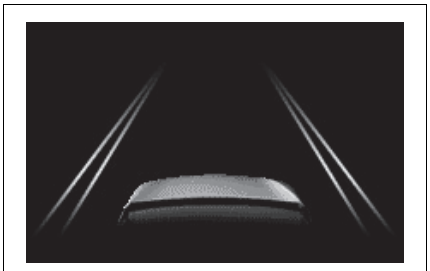


▶ Inside of displayed white lines is white



Indicates that the system is recognizing white (yellow) lines. When the vehicle departs from its lane, the white line displayed on the side the vehicle departs from flashes orange.

▶ Inside of displayed white lines is black



Indicates that the system is not able to recognize white (yellow) lines or is temporarily canceled.

■ **Operation conditions of each function**

● Lane departure alert function

This function operates when all of the following conditions are met.

- LDA is turned on.
- Vehicle speed is approximately 50 km/h (32 mph) or more.
- System recognizes white (yellow) lines.
- Width of traffic lane is approximately 3 m (9.8 ft.) or more.
- Turn signal lever is not operated.
- Vehicle is driven on a straight road or around a gentle curve with a radius of more than approximately 150 m (492 ft.).
- No system malfunctions are detected. (→P. 365)

● Vehicle sway warning function

This function operates when all of the following conditions are met.

- Setting for “Sway Warning” in Settings display of the multi-information display is set to “On”. (→P. 809)
- Vehicle speed is approximately 50 km/h (32 mph) or more.
- Width of traffic lane is approximately 3 m (9.8 ft.) or more.
- No system malfunctions are detected. (→P. 365)

■ **Temporary cancelation of functions**

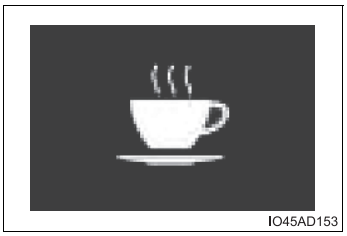
When the operation conditions are no longer met, a function may be temporarily canceled. However, when the operation conditions are met again, operation of the function is automatically restored. (→P. 363)

■ **Lane departure alert function**

The warning buzzer may be difficult to hear due to external noise, audio playback, etc.

■ **Vehicle sway warning function**

When the system determines that the vehicle is swaying while the vehicle sway warning function is operating, a buzzer sounds and a warning message urging the driver to rest and the symbol shown in the illustration are simultaneously displayed on the multi-information display.



Depending on the vehicle and road conditions, the warning may not operate.

■ **White (yellow) lines are only on one side of road**

The LDA system will not operate for the side on which white (yellow) lines could not be recognized.

■ **Conditions in which functions may not operate properly**

In the following situations, the camera sensor may not detect white (yellow) lines and various functions may not operate normally.

- There are shadows on the road that run parallel with, or cover, the white (yellow) lines.
- The vehicle is driven in an area without white (yellow) lines, such as in front of a tollgate or checkpoint, or at an intersection, etc.
- The white (yellow) lines are cracked, “Raised pavement marker” or stones are present.
- The white (yellow) lines cannot be seen or are difficult to see due to sand, etc.
- The vehicle is driven on a road surface that is wet due to rain, puddles, etc.
- The traffic lines are yellow (which may be more difficult to recognize than lines that are white).
- The white (yellow) lines cross over a curb, etc.
- The vehicle is driven on a bright surface, such as concrete.
- The vehicle is driven on a surface that is bright due to reflected light, etc.
- The vehicle is driven in an area where the brightness changes suddenly, such as at the entrances and exits of tunnels, etc.
- Light from the headlights of an oncoming vehicle, the sun, etc. enters the camera.
- The vehicle is driven where the road diverges, merges, etc.
- The vehicle is driven on a slope.
- The vehicle is driven on a road which tilts left or right, or a winding road.
- The vehicle is driven on an unpaved or rough road.
- The vehicle is driven around a sharp curve.
- The traffic lane is excessively narrow or wide.
- The vehicle is extremely tilted due to carrying heavy luggage or having improper tire pressure.
- The distance to the preceding vehicle is extremely short.
- The vehicle is moving up and down a large amount due to road conditions during driving (poor roads or road seams).
- The headlight lenses are dirty and emit a faint amount of light at night, or the beam axis has deviated.
- The vehicle has just changed lanes or crossed an intersection.

■ **Warning message**

If the following warning message is displayed on the multi-information display and the LDA indicator turns off, follow the appropriate troubleshooting procedure.

Warning message	Details/Actions
“Lane Departure Alert Malfunction Visit Your Dealer”	**The system may not be operating properly.** **→ Have the vehicle inspected at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.**
“Forward Camera System Unavailable Clean Windshield”	**Dirt, rain, condensation, ice, snow, etc. are present on the windshield in front of the camera sensor.** **→ Turn the LDA system off, remove any dirt, rain, condensation, ice, snow, etc. from the windshield, and then turn the LDA system back on.**
“Forward Camera System Unavailable”	**The operation conditions of the camera sensor (temperature, etc.) are not met.** **→ When the operation conditions of the camera sensor (temperature, etc.) are met, the LDA system will become available. Turn the LDA system off, wait for a little while, and then turn the LDA system back on.**

Warning message	Details/Actions
“Lane Departure Alert Unavailable”	**The LDA system is temporarily canceled due to a malfunction in a sensor other than the camera sensor.** **→ Turn the LDA system off and follow the appropriate troubleshooting procedures for the warning message. Afterward, drive the vehicle for a short time, and then turn the LDA system back on.**
“Lane Departure Alert Unavailable Below Approx 50km/h”	**The LDA system cannot be used as the vehicle speed is less than approximately 50 km/h (32 mph).** **→ Drive the vehicle at approximately 50 km/h (32 mph) or more.**

If a different warning message is displayed, follow the instructions displayed on the screen.

■ **Customization**

The following settings can be changed.

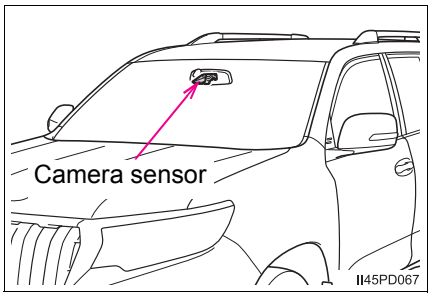
Function	Setting details
Lane departure alert function	Adjust alert sensitivity
Vehicle sway warning function	Turn function on and off
	Adjust alert sensitivity

For how to change settings, refer to P. 809

RSA (Road Sign Assist)*

Summary of function

RSA recognizes specific road signs using the camera sensor and provides information to the driver via the multi-information display.



If the system judges that the vehicle is being driven over the speed limit, performing prohibited actions, etc. in relation to the recognized road signs, it alerts the driver using a warning display and warning buzzer*.

*: This setting needs to be customized.

WARNING

■ Before using the RSA

Do not rely solely upon the RSA system. RSA is a system which supports the driver by providing information, but it is not a replacement for a driver's own vision and awareness. Drive safely by always paying careful attention to the traffic rules.

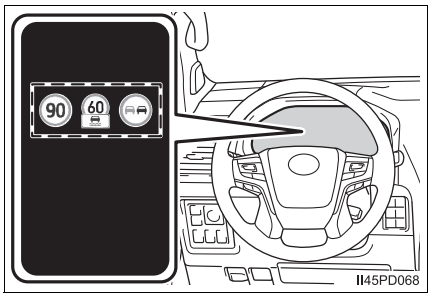
Inappropriate or negligent driving could lead to an unexpected accident.

*: If equipped

Indication on the multi-information display

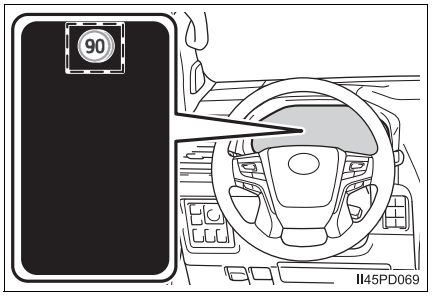
After the camera sensor recognizes a sign, it is displayed on the multi-information display when the vehicle passes the sign.

- When the driving assist system information is selected, a maximum of 3 signs can be displayed. (→P. 124)



- When other than the driving assist system information is selected, a speed limit sign or an all canceled sign can be displayed. (→P. 124)

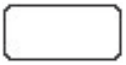
  A no overtaking sign and a speed limit sign with supplemental mark are not displayed. However, if signs other than speed limit signs are recognized, they are mentioned in a stack under the current speed limit sign.



Types of recognized road signs

The following types of road signs, including electronic signs and blinking signs, are recognized.

A non-official (not meeting the Vienna Convention) or a recently introduced traffic sign may not be recognized.

Type		Multi-information display
Speed limit begins/ends		
Speed limit with supplemental mark (Displayed simultaneously with speed limit)  (Display example)	Wet	
	Rain	
	Ice	
	On/off ramp*	
	Supplemental mark exists (Contents not recognized)	
No overtaking begins/ends		
All canceled (All restrictions canceled. Returns to default road regulation.)		

*: If the turn signal indicator is not operated when changing lanes, the mark does not display.

Warning display

In the following situations, the RSA system alerts the driver using a warning display.

- When the vehicle speed exceeds the speed warning threshold applied to the speed limit of the sign displayed on the multi-information display, the sign color becomes inverted.
- If it is detected that your vehicle is overtaking when a no overtaking sign is displayed on the multi-information display, the sign flashes.

Depending on the situation, traffic environment (traffic direction, speed, unit) may be detected incorrectly and a warning display may not operate properly.

Automatic turn-off of RSA sign display

One or more signs automatically turn off in the following situations.

- A new sign is not recognized for a certain distance.
- The road changes due to a left or right turn, etc.

Conditions in which the function may not operate or detect correctly

In the following situations, RSA does not operate normally and may not recognize signs, display the incorrect sign, etc. However, this does not indicate a malfunction.

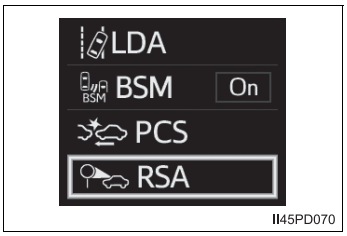
- The camera sensor is misaligned due to a strong impact being applied to the sensor, etc.
- Dirt, snow, stickers, etc. are on the windshield near the camera sensor.
- In inclement weather such as heavy rain, fog, snow or sand storms
- Light from an oncoming vehicle, the sun, etc. enters the camera sensor.
- The sign is dirty, faded, tilted or bent, and if an electronic sign, the contrast is poor.
- All or part of the sign is hidden by the leaves of a tree, a pole, etc.
- The sign is only visible to the camera sensor for a short amount of time.
- The driving scene (turning, lane change, etc.) is judged incorrectly.
- Even if it is a sign not appropriate for the currently traveled lane, such a sign exists directly after a freeway branches, or in an adjacent lane just before merging.
- Stickers are attached to the rear of the preceding vehicle.
- A sign resembling a system compatible sign is recognized.
- The vehicle is driven in a country with a different direction of traffic.

- Side road speed signs may be detected and displayed (if positioned in sight of the camera sensor) while the vehicle is traveling on the main road.
- Roundabout exit road speed signs may be detected and displayed (if positioned in sight of the camera sensor) while traveling on a roundabout.
- The speed information displayed on the meter and that displayed on the navigation system may be different due to the navigation system using map data.

■ Turning the system on/off

1 Select RSA on the settings display (→P. 124)

2 Press ENTER on the steering wheel.



II45PD070

■ Speed limit sign display

If the engine switch was last turned off while a speed limit sign was displayed on the multi-information display, the same sign displays again when the engine switch is turned to IGNITION ON mode.

■ Customization

Setting (e.g. speeding warning threshold) can be changed.
(Customizable feature: →P. 809)

Dynamic radar cruise control*

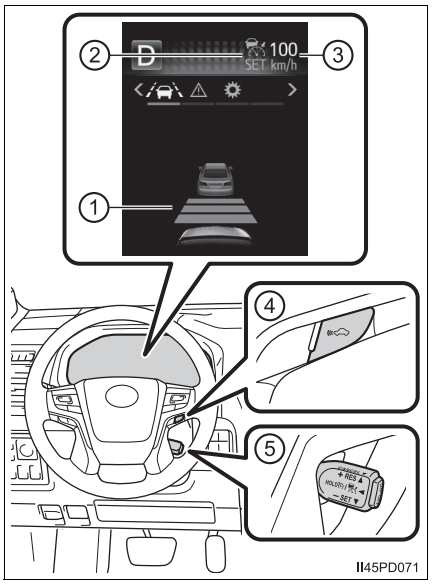
Summary of functions

In vehicle-to-vehicle distance control mode, the vehicle automatically accelerates and decelerates to match the speed changes of the preceding vehicle even if the accelerator pedal is not depressed. In constant speed control mode, the vehicle runs at a fixed speed.

Use the dynamic radar cruise control on freeways and highways.

- Vehicle-to-vehicle distance control mode (→P. 376)
- Constant speed control mode (→P. 382)

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



*: If equipped

WARNING

■ **Before using dynamic radar cruise control**

- Driving safely is the sole responsibility of the driver. Do not rely solely on the system, and drive safely by always paying careful attention to your surroundings.
- The dynamic radar cruise control provides driving assistance to reduce the driver's burden. However, there are limitations to the assistance provided.
- Set the speed appropriately depending on the speed limit, traffic flow, road conditions, weather conditions, etc. The driver is responsible for checking the set speed.

  Read the following conditions carefully. Do not overly rely on this system and always drive carefully.

  - When the sensor may not be correctly detecting the vehicle ahead: →P. 385
  - Conditions under which the vehicle-to-vehicle distance control mode may not function correctly: →P. 386
- Even when the system is functioning normally, the condition of the preceding vehicle as detected by the system may differ from the condition observed by the driver. Therefore, the driver must always remain alert, assess the danger of each situation and drive safely. Relying on this system or assuming the system ensures safety while driving can lead to an accident, resulting in death or serious injury.
- Switch the dynamic radar cruise control setting to off, using the "ON-OFF" button when not in use.

WARNING

■ **Cautions regarding the driving assist systems**

Observe the following precautions, as there are limitations to the assistance provided by the system.
Failure to do so may cause an accident resulting in death or serious injury.

- Assisting the driver to measure following distance
  The dynamic radar cruise control is only intended to help the driver in determining the following distance between the driver's own vehicle and a designated vehicle traveling ahead. It is not a mechanism that allows careless or inattentive driving, and it is not a system that can assist the driver in low-visibility conditions. It is still necessary for driver to pay close attention to the vehicle's surroundings.
- Assisting the driver to judge proper following distance
  The dynamic radar cruise control determines whether the following distance between the driver's own vehicle and a designated vehicle traveling ahead is within a set range. It is not capable of making any other type of judgement. Therefore, it is absolutely necessary for the driver to remain vigilant and to determine whether or not there is a possibility of danger in any given situation.
- Assisting the driver to operate the vehicle
  The dynamic radar cruise control has limited capability to prevent or avoid a collision with a vehicle traveling ahead. Therefore, if there is ever any danger, the driver must take immediate and direct control of the vehicle and act appropriately in order to ensure the safety of all involved.

WARNING

■ **Situations unsuitable for dynamic radar cruise control**

Do not use dynamic radar cruise control in any of the following situations.

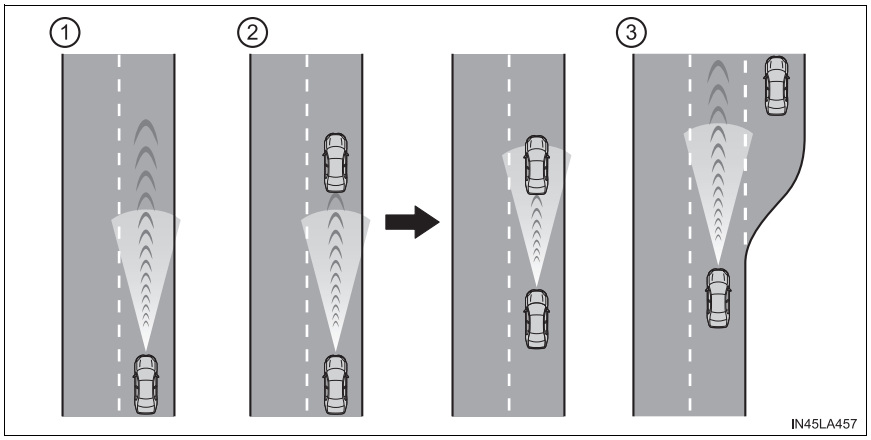
Doing so may result in inappropriate speed control and could cause an accident resulting in death or serious injury.

- Roads where there are pedestrians, cyclists, etc.
- In heavy traffic
- On roads with sharp bends
- On winding roads
- On slippery roads, such as those covered with rain, ice or snow
- On steep downhills, or where there are sudden changes between sharp up and down gradients
  Vehicle speed may exceed the set speed when driving down a steep hill.
- At entrances to freeways and highways
- When weather conditions are bad enough that they may prevent the sensors from detecting correctly (fog, snow, sandstorm, heavy rain, etc.)
- When there is rain, snow, etc. on the front surface of the radar sensor or camera sensor
- In traffic conditions that require frequent repeated acceleration and deceleration
- When your vehicle is towing a trailer (with towing hitch) or during emergency towing
- When an approach warning buzzer is heard often

Driving in vehicle-to-vehicle distance control mode

This mode employs a radar sensor to detect the presence of vehicles up to approximately 100 m (328 ft.) ahead, determines the current vehicle-to-vehicle following distance, and operates to maintain a suitable following distance from the vehicle ahead.

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



① Example of constant speed cruising
When there are no vehicles ahead

The vehicle travels at the speed set by the driver. The desired vehicle-to-vehicle distance can also be set by operating the vehicle-to-vehicle distance switch.

② Example of deceleration cruising and follow-up cruising
When a preceding vehicle driving slower than the set speed appears

When a vehicle is detected running ahead of you, the system automatically decelerates your vehicle. When a greater reduction in vehicle speed is necessary, the system applies the brakes (the stop lights will come on at this time). The system will respond to changes in the speed of the vehicle ahead in order to maintain the vehicle-to-vehicle distance set by the driver. Approach warning warns you when the system cannot decelerate sufficiently to prevent your vehicle from closing in on the vehicle ahead.

③ Example of acceleration
When there are no longer any preceding vehicles driving slower than the set speed

The system accelerates until the set speed is reached. The system then returns to constant speed cruising.

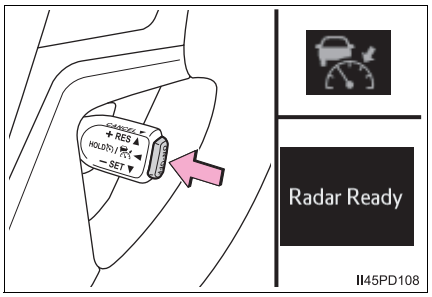
Setting the vehicle speed (vehicle-to-vehicle distance control mode)

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

Radar cruise control indicator will come on and a message will be displayed on the multi-information display.

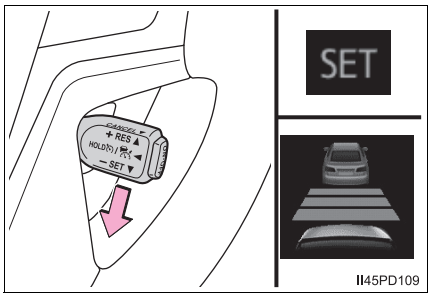
Press the button again to deactivate the cruise control.

If the “ON-OFF” button is pressed and held for 1.5 seconds or more, the system turns on in constant speed control mode. (→P. 382)



2 Accelerate or decelerate with accelerator pedal operation to the desired vehicle speed (at or above approximately 50 km/h [30 mph]) and push the lever down to set the speed.
Cruise control “SET” indicator will come on.

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

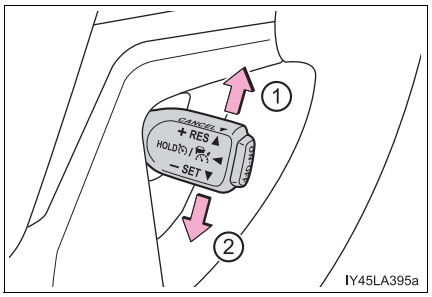


Adjusting the set speed

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

① Increases the speed

② Decreases the speed



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

Large adjustment: Hold the lever up or down to change the speed, and release when the desired speed is reached.

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

▶ Type A

Fine adjustment: By 5 km/h (3.1 mph)*1 or 5 mph (8 km/h)*2 each time the lever is operated

Large adjustment: Increases or decreases in 5 km/h (3.1 mph)*1 or 5 mph (8 km/h)*2 increments for as long as the lever is held

▶ Type B

Fine adjustment: By 1 km/h (0.6 mph)*1 or 1 mph (1.6 km/h)*2 each time the lever is operated

Large adjustment: Increases or decreases in 5 km/h (3.1 mph)*1 or 5 mph (8 km/h)*2 increments for as long as the lever is held

In the constant speed control mode (→P. 382), the set speed will be increased or decreased as follows:

Fine adjustment: By 1 km/h (0.6 mph)*1 or 1 mph (1.6 km/h)*2 each time the lever is operated

Large adjustment: The speed will continue to change while the lever is held.

*1: When the set speed is shown in “km/h”

*2: When the set speed is shown in “MPH”

Changing the vehicle-to-vehicle distance (vehicle-to-vehicle distance control mode)

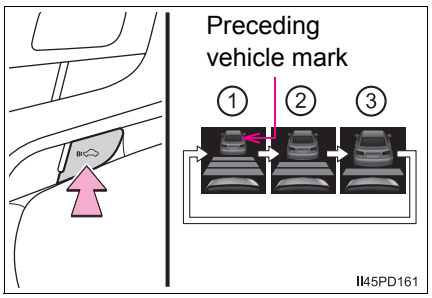
Pressing the switch changes the vehicle-to-vehicle distance as follows:

① Long

② Medium

③ Short

The vehicle-to-vehicle distance is set automatically to long mode when the engine switch is turned to IGNITION ON mode.



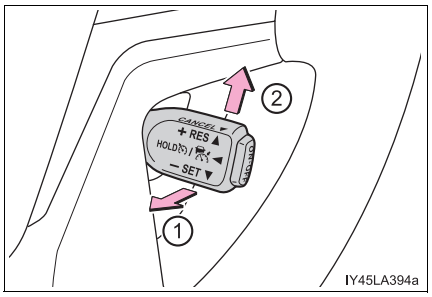
If a vehicle is running ahead of you, the preceding vehicle mark will also be displayed.

Vehicle-to-vehicle distance settings (vehicle-to-vehicle distance control mode)

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

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

Canceling and resuming the speed control



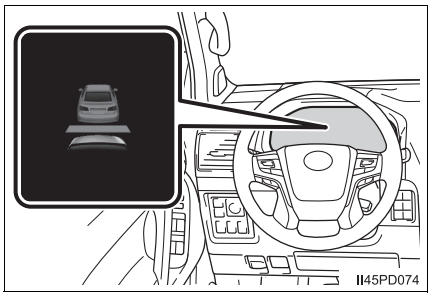
① Pulling the lever toward you cancels the speed control.

The speed control is also canceled when the brake pedal is depressed.

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

However, cruise control does not resume when the vehicle speed is approximately 40 km/h (25 mph) or less.

Approach warning (vehicle-to-vehicle distance control mode)



When your vehicle is too close to a vehicle ahead, and sufficient automatic deceleration via the cruise control is not possible, the display will flash and the buzzer will sound to alert the driver. An example of this would be if another driver cuts in front of you while you are following a vehicle. Depress the brake pedal to ensure an appropriate vehicle-to-vehicle distance.

■ Warnings may not occur when

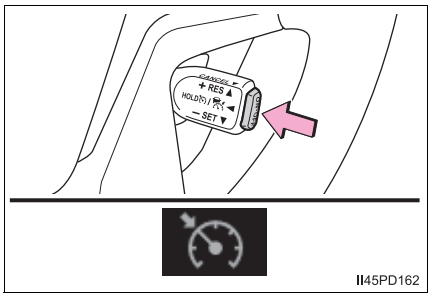
In the following instances, warnings may not occur even when the vehicle-to-vehicle distance is small.

- When the speed of the preceding vehicle matches or exceeds your vehicle speed
- When the preceding vehicle is traveling at an extremely slow speed
- Immediately after the cruise control speed was set
- When depressing the accelerator pedal

Selecting constant speed control mode

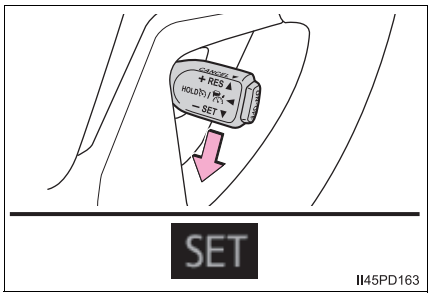
When constant speed control mode is selected, your vehicle will maintain a set speed without controlling the vehicle-to-vehicle distance. Select this mode only when vehicle-to-vehicle distance control mode does not function correctly due to a dirty radar sensor, etc.

1 With the cruise control off, press and hold the “ON-OFF” button for 1.5 seconds or more.



Immediately after the “ON-OFF” button is pressed, the radar cruise control indicator will come on. Afterwards, it switches to the cruise control indicator.
Switching to constant speed control mode is only possible when operating the lever with the cruise control off.

2 Accelerate or decelerate, with accelerator pedal operation, to the desired vehicle speed (at or above approximately 40 km/h [25 mph]) and push the lever down to set the speed.
Cruise control “SET” indicator will come on.



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

Adjusting the speed setting: →P. 378
Canceling and resuming the speed setting: →P. 380

■ **Dynamic radar cruise control can be set when**

- The shift lever is in D or range 4 or higher of S has been selected.
- Vehicle speed is at or above approximately 50 km/h (30 mph).

■ **Accelerating after setting the vehicle speed**

The vehicle can accelerate by operating the accelerator pedal. After accelerating, the set speed resumes. However, during vehicle-to-vehicle distance control mode, the vehicle speed may decrease below the set speed in order to maintain the distance to the preceding vehicle.

■ **Automatic cancelation of vehicle-to-vehicle distance control mode**

Vehicle-to-vehicle distance control mode is automatically canceled in the following situations:

- Actual vehicle speed falls below approximately 40 km/h (25 mph).
- VSC is activated.
- TRC is activated for a period of time.
- When the VSC or TRC system is turned off.
- When second start mode is set.
- The sensor cannot detect correctly because it is covered in some way.
- Pre-crash braking is activated.
- Switching operation to center differential lock mode continues for 5 seconds or more after operating the center differential lock/unlock switch.

If vehicle-to-vehicle distance control mode is automatically canceled for any other reason, there may be a malfunction in the system. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **Automatic cancelation of constant speed control mode**

Constant speed control mode is automatically canceled in the following situations:

- Actual vehicle speed is more than approximately 16 km/h (10 mph) below the set vehicle speed.
- Actual vehicle speed falls below approximately 40 km/h (25 mph).
- VSC is activated.
- TRC is activated for a period of time.
- When the VSC or TRC system is turned off.
- Pre-crash braking is activated.
- Switching operation to center differential lock mode continues for 5 seconds or more after operating the center differential lock/unlock switch.

If constant speed control mode is automatically canceled for any other reason, there may be a malfunction in the system. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **Brake system operation sound**

If the brakes are applied automatically while the vehicle is in vehicle-to-vehicle distance control mode, a brake system operation sound may be heard. This does not indicate a malfunction.

■ **Warning messages and buzzers for dynamic radar cruise control**

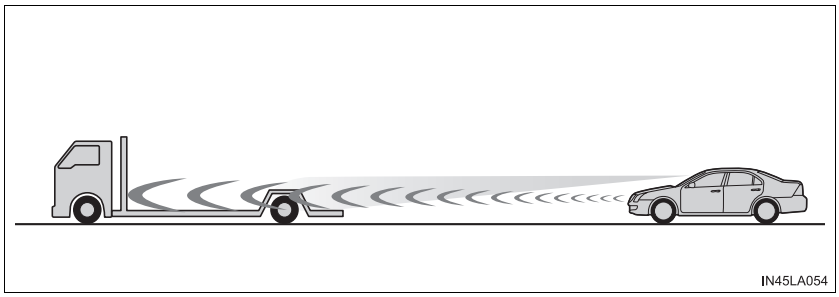
Warning messages and buzzers are used to indicate a system malfunction or to inform the driver of the need for caution while driving.

If a warning message is shown on the multi-information display, read the message and follow the instructions.

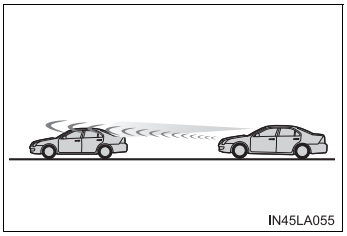
■ **When the sensor may not be correctly detecting the vehicle ahead**

In the case of the following and depending on the conditions, operate the brake pedal when deceleration of the system is insufficient or operate the accelerator pedal when acceleration is required.
As the sensor may not be able to correctly detect these types of vehicles, the approach warning (→P. 381) may not be activated.

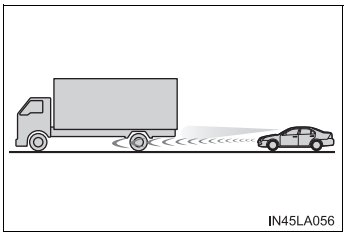
- Vehicles that cut in suddenly
- Vehicles traveling at low speeds
- Vehicles that are not moving in the same lane
- Vehicles with small rear ends (trailers with no load on board etc.)



- Motorcycles traveling in the same lane
- When water or snow thrown up by the surrounding vehicles hinders the detecting of the sensor
- When your vehicle is pointing upwards (caused by a heavy load in the luggage compartment, etc.)



- Preceding vehicle has an extremely high ground clearance

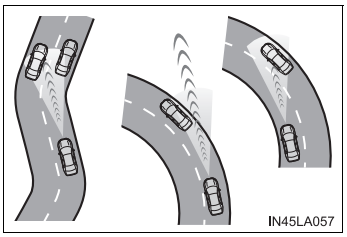


■ **Conditions under which the vehicle-to-vehicle distance control mode may not function correctly**

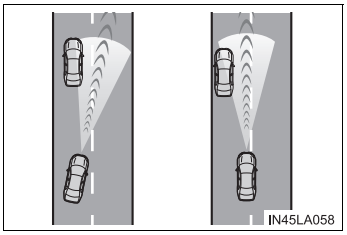
In the case of the following conditions, operate the brake pedal (or accelerator pedal, depending on the situation) as necessary.

As the sensor may not be able to correctly detect vehicles ahead, the system may not operate properly.

- When the road curves or when the lanes are narrow



- When steering wheel operation or your position in the lane is unstable



- When the vehicle ahead of you decelerates suddenly
- When driving on a road surrounded by a structure, such as in a tunnel or on a bridge
- While the vehicle speed is decreasing to the set speed after the vehicle accelerates by depressing the accelerator pedal

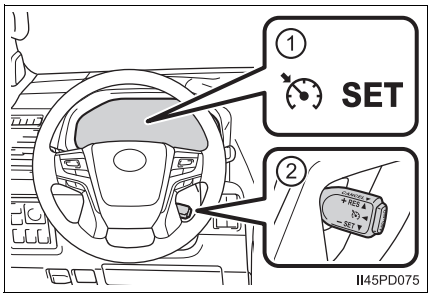
Cruise control*

Summary of functions

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

① Indicators

② Cruise control switch

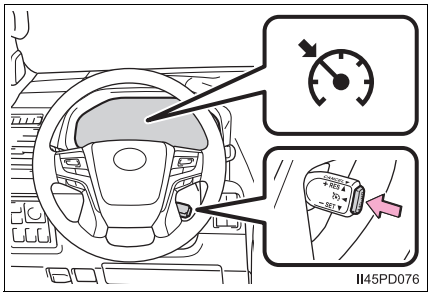


Setting the vehicle speed

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

Cruise control indicator will come on.

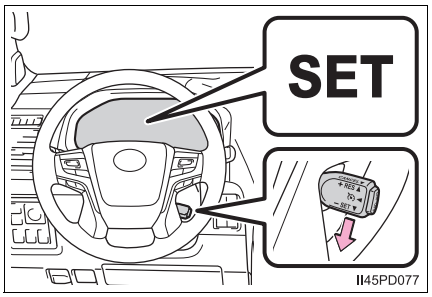
Press the button again to deactivate the cruise control.



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

“SET” indicator will come on.

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



*: If equipped

Adjusting the set speed

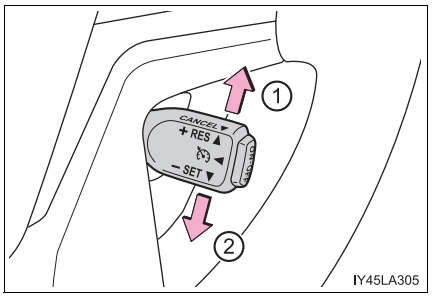
To change the set speed, operate the lever until the desired set speed is obtained.

① Increases the speed

② Decreases the speed

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

Large adjustment: Hold the lever in the desired direction.



The set speed will be increased or decreased as follows:

▶ For 1GR-FE engine with manual transmission

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

▶ Except for 1GR-FE engine with manual transmission

Fine adjustment: By approximately 1 km/h (0.6 mph) each time the lever is operated.

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

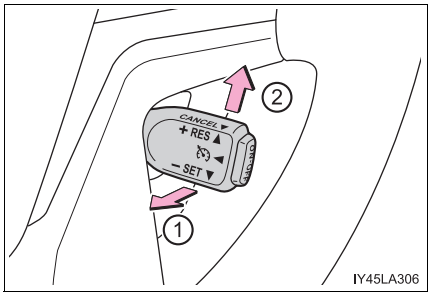
Canceling and resuming the constant speed control

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

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

② Pushing the lever up resumes the constant speed control.

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



■ **Cruise control can be set when**

- The shift lever is in the D or range 4 or higher of S has been selected (vehicles with an automatic transmission).
- Vehicle speed is above approximately 40 km/h (25 mph).

■ **Accelerating after setting the vehicle speed**

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

■ **Automatic cruise control cancelation**

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

- Actual vehicle speed falls more than approximately 16 km/h (10 mph) below the preset vehicle speed.
  At this time, the memorized set speed is not retained.
- Actual vehicle speed is below approximately 40 km/h (25 mph).
- VSC is activated.
- TRC is activated for a period of time.
- When the VSC or TRC system is turned off.
- Switching operation to center differential lock mode continues for 5 seconds or more after operating the center differential lock/unlock switch.

■ **If “Cruise Control Malfunction Visit Your Dealer” is shown on the multi-information display or the cruise control indicator light turns to yellow**

Press the “ON-OFF” button once to deactivate the system, and then press the button again to reactivate the system.
If the cruise control speed cannot be set or if the cruise control cancels immediately after being activated, there may be a malfunction in the cruise control system. Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

WARNING

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

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

■ **Situations unsuitable for cruise control**

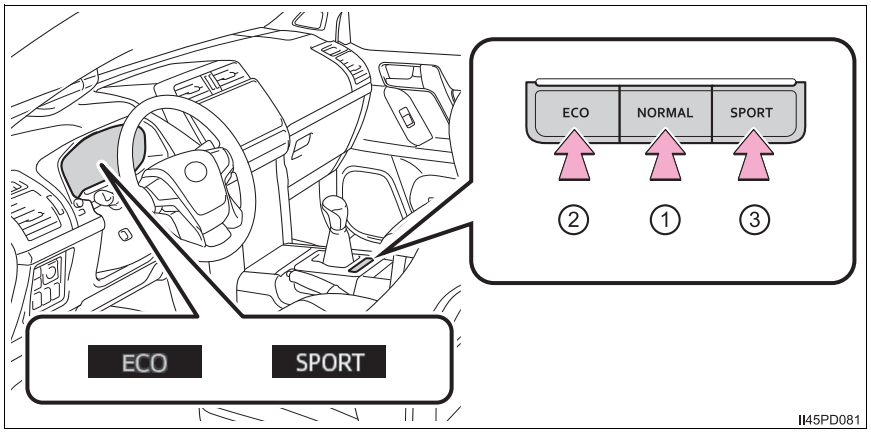
Do not use cruise control in any of the following situations.
Doing so may result in loss of control and could cause an accident resulting in death or serious injury.

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

Driving mode select switches*

The driving modes can be selected to suit driving condition.

▶ Type A



① Normal mode

For normal driving.

Press the “NORMAL” switch to change the driving mode to normal mode when selected to Eco drive mode or sport mode.

② Eco drive mode

Use Eco drive mode to help achieve low fuel consumption during trips that involve frequent accelerating.

When in Eco drive mode, the “ECO” indicator comes on in the multi-information display.

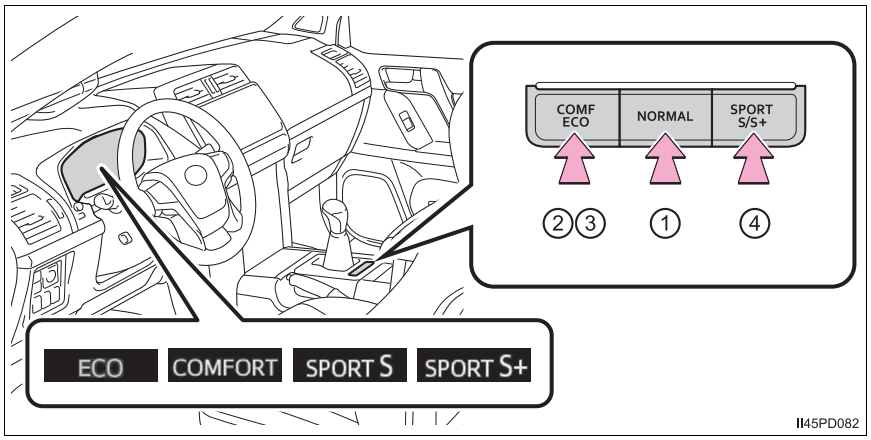
③ Sport mode

Assists acceleration response by controlling the transmission, engine and steering. Suitable for when precise handling is desirable, for example when driving on mountain roads.

When in Sport mode, the “SPORT” indicator comes on in the multi-information display.

*: If equipped

▶ Type B



① Normal mode

For normal driving.

Press the “NORMAL” switch to change the driving mode to normal mode when not in normal mode.

② Comfort mode

By controlling the suspension, riding comfort is further enhanced. Suitable for city driving.

When not in comfort mode and the “COMF ECO” switch is pressed, the “COMFORT” indicator comes on in the multi-information display.

③ Eco drive mode

Use Eco drive mode to help achieve low fuel consumption during trips that involve frequent accelerating.

When in comfort mode and the “COMF ECO” switch is pressed, the “ECO” indicator comes on in the multi-information display.

④ Sport mode

• SPORT S mode

Assists acceleration response by controlling the transmission and engine.

When not in SPORT S mode and the “SPORT S/S+” switch is pressed, the “SPORT S” indicator comes on in the multi-information display.

• SPORT S+ mode

Helps to ensure steering performance and driving stability by simultaneously controlling the steering and suspension in addition to the transmission and engine. Suitable for sporty driving.

When in SPORT S mode and the “SPORT S/S+” switch is pressed, the “SPORT S+” indicator comes on in the multi-information display.

■ **Operation of the air conditioning system in Eco drive mode**

Eco drive mode controls the heating/cooling operations and fan speed of the air conditioning system to enhance fuel efficiency (→P. 537). To improve air conditioning performance, adjust the fan speed or turn off Eco drive mode.

■ **Sport mode automatic deactivation**

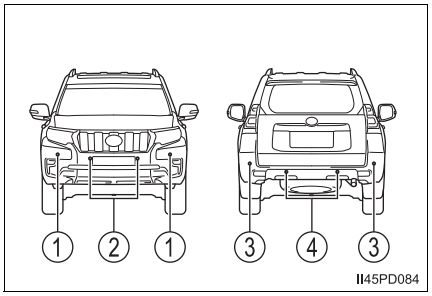
Sport mode is automatically deactivated if the engine switch is turned off after driving in sport mode.

Toyota parking assist-sensor*

The distance from your vehicle to nearby obstacles when parallel parking or maneuvering into a garage is measured by the sensors and communicated via the indicator or displays, and a buzzer. Always check the surrounding area when using this system.

Types of sensors

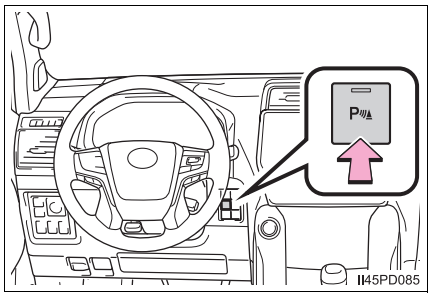
① Front corner sensors (if equipped)
② Front center sensors (if equipped)
③ Rear corner sensors
④ Rear center sensors



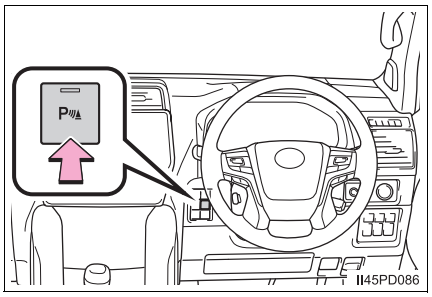
II45PD084

Toyota parking assist-sensor switch

▶ Left-hand drive


II45PD085

▶ Right-hand drive


II45PD086

Turns Toyota parking assist-sensor on/off

When on, the indicator light come on to inform the driver that the system is operational.

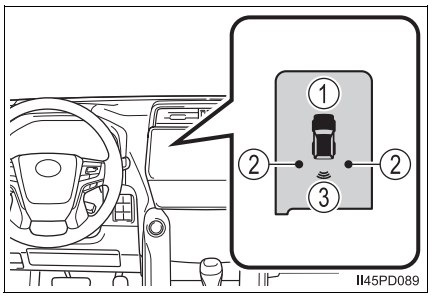
*: If equipped

Display

When the sensors detect an obstacle, the following indicator or displays inform the driver of the position and distance to the obstacle.

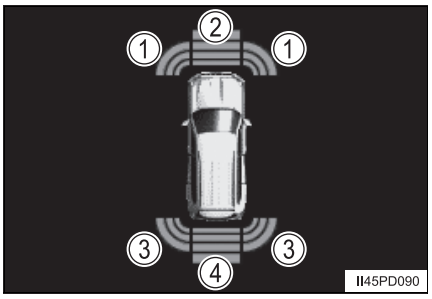
▶ Toyota parking assist-sensor indicator (if equipped)

① Vehicle indicator
② Rear corner indicator
③ Rear center indicator

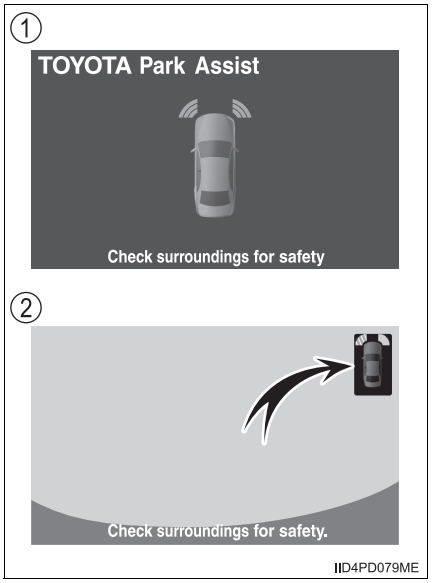


▶ Multi-information display (if equipped)

① Front corner sensor operation (if equipped)
② Front center sensor operation (if equipped)
③ Rear corner sensor operation
④ Rear center sensor operation



▶ Navigation system or multimedia system screen (if equipped)



① Toyota parking assist-sensor display

When the Toyota parking assist monitor* or Multi-terrain Monitor* is not displayed.

A graphic is automatically displayed when an obstacle is detected. The screen can be set so that the graphic is not displayed. (→P. 399)

② Insert display

When the Toyota parking assist monitor* or Multi-terrain Monitor* is displayed.

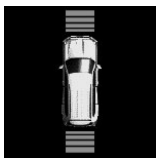
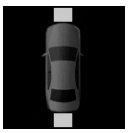
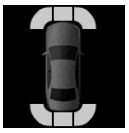
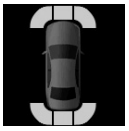
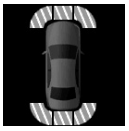
A simplified image is displayed on the upper corner of the screen when an obstacle is detected.

*: If equipped

Sensor detection display, obstacle distance

■ Distance display

Sensors that detect an obstacle will illuminate continuously or blink.

Indicator	Display	Insert display	Approximate distance to obstacle	
			Front corner sensor / front center sensor*1	Rear corner sensor / rear center sensor
 (blinking slowly)	 (continuous)	 (blinking slowly)	Front center sensor: 100 cm (3.3 ft.) to 60 cm (2.0 ft.)	Rear center sensor: 150 cm (4.9 ft.) to 65 cm (2.1 ft.)
 (blinking)	 (continuous)	 (blinking)	Front corner sensor: 60 cm (2.0 ft.) to 40 cm (1.3 ft.) Front center sensor: 60 cm (2.0 ft.) to 45 cm (1.5 ft.)	Rear corner sensor: 50 cm (1.6 ft.) to 40 cm (1.3 ft.) Rear center sensor: 65 cm (2.1 ft.) to 50 cm (1.6 ft.)
 (blinking rapidly)	 (continuous)	 (blinking rapidly)	Front corner sensor: 40 cm (1.3 ft.) to 30 cm (1.0 ft.) Front center sensor: 45 cm (1.5 ft.) to 30 cm (1.0 ft.)	Rear corner sensor: 40 cm (1.3 ft.) to 30 cm (1.0 ft.) Rear center sensor: 50 cm (1.6 ft.) to 40 cm (1.3 ft.)
 (continuous)	 (blinking*2 or continuous*3)	 (continuous)	Less than 30 cm (1.0 ft.)	Rear corner sensor: Less than 30 cm (1.0 ft.) Rear center sensor: Less than 40 cm (1.3 ft.)

*1: Except for 4 sensor type

*2: Multi-information display

*3: Navigation system or multimedia system screen

■ **Buzzer operation and distance to an obstacle**

A buzzer sounds when the sensors are operating.

- The buzzer sounds faster as the vehicle approaches an obstacle. When the vehicle comes within the following distance of the obstacle, the buzzer sounds continuously.
  - Front corner sensors: Approximately 30 cm (1.0 ft.)
  - Front center sensors: Approximately 30 cm (1.0 ft.)
  - Rear corner sensors: Approximately 30 cm (1.0 ft.)
  - Rear center sensors: Approximately 40 cm (1.3 ft.)
- When 2 or more obstacles are detected simultaneously, the buzzer system responds to the nearest obstacle. If one or both come within the above distances, the beep will repeat a long tone, followed by fast beeps.

Detection range of the sensors

① Approximately 100 cm (3.3 ft.)

② Approximately 150 cm (4.9 ft.)

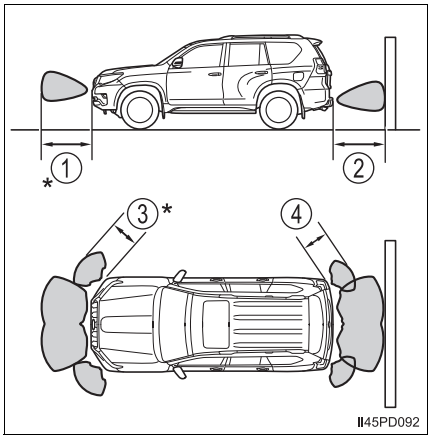
③ Approximately 60 cm (2.0 ft.)

④ Approximately 50 cm (1.6 ft.)

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

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

*: If equipped



Setting up Toyota parking assist-sensor (vehicles with a navigation system or a multimedia system)

You can change the buzzer sound volume and the screen operating conditions.

1 Press the “SETUP” button.

2 Select “Vehicle” on the screen.

3 Select the desired item.

- The buzzer sound volume can be adjusted.
- On or off can be selected for Toyota parking assist-sensor display.
- Front or rear center sensors display and tone indication can be set.

The Toyota parking assist-sensor can be operated when

- Front corner sensors:
  - The engine switch is in the “ON” position (vehicles without a smart entry & start system) or the engine switch is turned to IGNITION ON mode (vehicles with a smart entry & start system).
  - The shift lever is in a position other than P.
  - The vehicle speed is less than approximately 10 km/h (6 mph). (At any speed when the shift lever is in R)
- Front center sensors:
  - The engine switch is in the “ON” position (vehicles without a smart entry & start system) or the engine switch is turned to IGNITION ON mode (vehicles with a smart entry & start system).
  - The shift lever is in a position other than P or R.
  - The vehicle speed is less than about 10 km/h (6 mph).
- Rear corner and rear center sensors:
  - The engine switch is in the “ON” position (vehicles without a smart entry & start system) or the engine switch is turned to IGNITION ON mode (vehicles with a smart entry & start system).
  - The shift lever is in R.

Toyota parking assist-sensor display

When an obstacle is detected while the Toyota parking assist monitor or Multi-terrain Monitor is in use, the warning indicator will appear in the top right or left of the screen even if the display setting has been set to off.

■ **When the system malfunctions**

▶ Vehicles with a Toyota parking assist-sensor indicator

- If the vehicle indicator remains on while the rear corner and rear center indicators flash and the malfunction beep sounds for approximately 8 seconds, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- If the vehicle indicator and the rear corner and rear center indicators flash and the malfunction beep sounds for approximately 8 seconds, clean the sensors with soft cloth.

▶ Vehicles with a navigation system or a multimedia system

- If  displays on the screen, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- If  displays on the screen, clean the sensors with soft cloth.

▶ Vehicles with a multi-information display type B

- If “Clean Park Sonar” is shown

  A sensor may be dirty or covered with snow or ice. In such cases, if it is removed from the sensor, the system should return to normal. Also, due to the sensor being frozen at low temperatures, a malfunction display may appear or an obstacle may not be detected. If the sensor thaws out, the system should return to normal.

- If “Check Park Sonar System” is shown

  Depending on the malfunction of the sensor, the device may not be working normally. Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **Customization**

Some functions can be customized.
(Customizable features: →P. 809)

⚠ WARNING

■ **When using the Toyota parking assist-sensor**

Observe the following precautions.
Failing to do so may result in the vehicle being unable to be driven safely and possibly cause an accident.

- Do not use the sensor at speeds in excess of 10 km/h (6 mph).
- The sensors’ detection areas and reaction times are limited. When moving, check the areas surrounding the vehicle (especially the sides of the vehicle) for safety, and drive slowly, using the brake to control the vehicle’s speed.
- Do not install accessories within the sensors’ detection areas.

WARNING

■ **Sensor detection information**

▶ Vehicles with front corner sensors / front center sensors:
The detection areas of the sensors are limited to the areas around the vehicle's front and rear bumpers.

▶ Vehicles without front corner sensors / front center sensors:
The detection areas of the sensors are limited to the areas around the vehicle's rear bumper.

● Certain vehicle conditions and surrounding environments, such as the following, may affect the ability of the sensors to correctly detect objects. Pay particular attention in the following situations. Failure to do so may result in the vehicle being driven unsafely, possibly leading to an accident.

- When there is dirt, snow or ice on a sensor. (Cleaning the sensors will resolve this problem.)
- When the sensor is frozen. (Thawing the area will resolve this problem.) In especially cold weather, if a sensor is frozen the screen may show an abnormal display, or obstacles may not be detected.
- When a sensor is covered in any way.
- When the vehicle is leaning considerably to one side.
- When driving on an extremely bumpy road, incline, gravel, or grass.
- When the vicinity of the vehicle is noisy due to vehicle horns, motorcycle engines, air brakes of large vehicles, or other loud noises producing ultrasonic waves.
- When there is another vehicle equipped with parking assist sensors in the vicinity.
- When the sensor is coated with a sheet of spray or heavy rain.
- When the vehicle is equipped with a fender pole or wireless antenna.
- When a bumper or sensor receives a strong impact.
- When the vehicle is approaching a tall or curved curb.
- When driving in harsh sunlight or intense cold weather.
- When an object is directly under the bumper.
- When objects become too close to the sensors.
- When a non-genuine Toyota suspension (lowered suspension etc.) is installed.

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

WARNING

- The shape of the obstacle may prevent a sensor from detecting it. Pay particular attention to the following:
  - Wires, fences, ropes, etc.
  - Cotton, snow and other materials that absorb sound waves
  - Sharply-angled objects
  - Low obstacles
  - Tall obstacles with upper sections projecting outwards in the direction of your vehicle
  - People, animals and other moving objects
  - People wearing certain types of clothing
- The following situations may occur when using the Toyota parking assist-sensor.
  - Depending on the shape of the object and other factors, the detection distance may shortened, or detection may not be possible.
  - Objects may not be detected if they are too close to a sensor.
  - There will be a short delay between the detection of an object and display of the detection. Even at slow speeds, there is a possibility that the object will come within a sensor's detection area before the display is shown (vehicles with a multi-information display type B)/indicator comes on (vehicles with a Toyota parking assist-sensor indicator) and a warning beep sounds.
  - Thin posts or objects lower than a sensor may not be detected when approached, even if they have been detected once.
  - It might be difficult to hear beeps due to the volume of the audio system or air flow noise of the air conditioning system.

NOTICE

When using Toyota parking assist-sensor

In the following situations, the system may not function correctly due to a sensor malfunction etc. Have the vehicle checked by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

- A beep does not sound when you turn the Toyota parking assist-sensor on.
- If the area around a sensor collides with something, or is subjected to strong impact.
- If the bumper collides with something.

▶ With a Toyota parking assist-sensor indicator

- The rear corner and center indicators flash, and a beep sounds when no obstacles are detected.
- If the rear corner and center indicators show continuously without a beep.
- If a indicator error occurs, first check the sensor.
  If the error occurs even when there is no ice, snow or mud on the sensor, it is likely that the sensor is malfunctioning.

▶ Without a Toyota parking assist-sensor indicator

- The Toyota parking assist-sensor operation display flashes, and a beep sounds when no obstacles are detected.
- If the display shows continuously without a beep.
- If a display error occurs, first check the sensor.
  If the error occurs even when there is no ice, snow or mud on the sensor, it is likely that the sensor is malfunctioning.

Notes when washing the vehicle

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

Rear view monitor system*

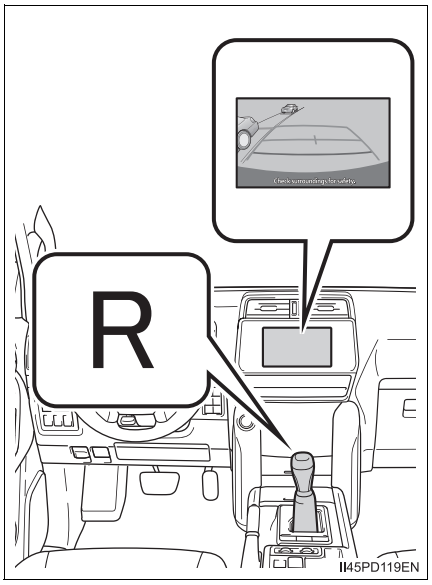
The rear view monitor system assists the driver by displaying guide lines and an image of the view behind the vehicle while backing up, for example while parking.

The screen illustrations used in this text are intended as examples, and may differ from the image that is actually displayed on the screen.

The rear view monitor system will activate when the shift lever is in R.

The rear view monitor system will be deactivated when the shift lever is in any position other than R.

When the shift lever is shifted to the R position and any mode button (such as “MENU”) is pressed, the rear view monitor system is canceled, and the screen is switched to the mode of the button that was pressed.



*: If equipped

Using the rear view monitor system

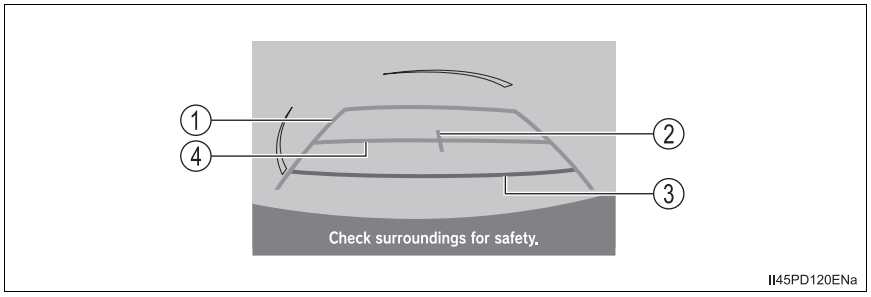
■ Screen description

▶ Vehicles without a smart entry & start system

The rear view monitor system screen will be displayed if the shift lever is shifted to R while the engine switch is in the “ON” position.

▶ Vehicles with a smart entry & start system

The rear view monitor system screen will be displayed if the shift lever is shifted to R while the engine switch is in IGNITION ON mode.



① Vehicle width extension guide line

The line indicates a guide path when the vehicle is being backed straight up.
The displayed width is wider than the actual vehicle width.

② Vehicle center guide line

This line indicates the estimated vehicle center on the ground.

③ Distance guide line (red)

The line shows distance behind the vehicle, a point approximately 0.5 m (1.5 ft.) from the edge of the bumper.

④ Distance guide line (blue)

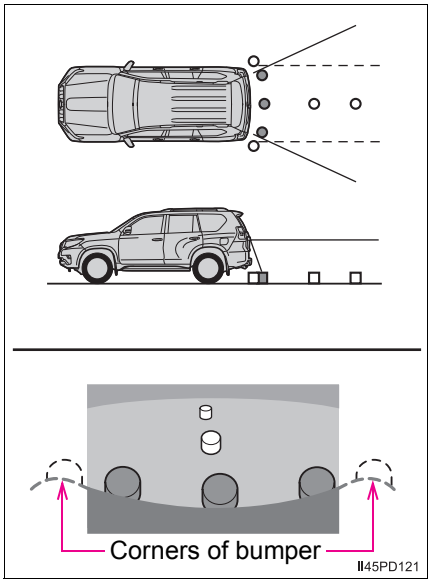
The line shows distance behind the vehicle, a point approximately 1 m (3 ft.) from the edge of the bumper.

Rear view monitor system precautions

■ Area displayed on screen

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

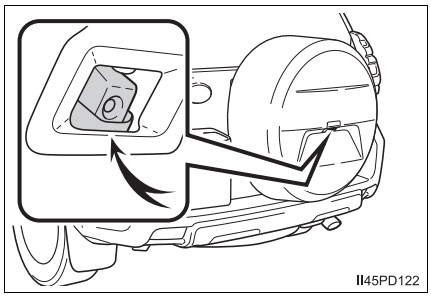
The image on the rear view monitor system screen can be adjusted, refer to the “Navigation and multimedia system Owner’s manual”.



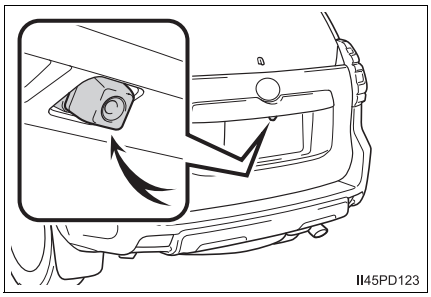
- The area displayed on the screen may vary according to vehicle orientation conditions.
- Objects which are close to either corner of the bumper or under the bumper cannot be displayed.
- The camera uses a special lens. The distance of the image that appears on the screen differs from the actual distance.
- Items which are located higher than the camera may not be displayed on the monitor.
- If your vehicle is equipped with a backlit license plate, it may interfere with the display.

■ **Rear view monitor system camera**

▶ Vehicles with back door mounted spare tire



▶ Vehicles with under floor mounted spare tire



● Using the camera

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

■ **Differences between the screen and the actual road**

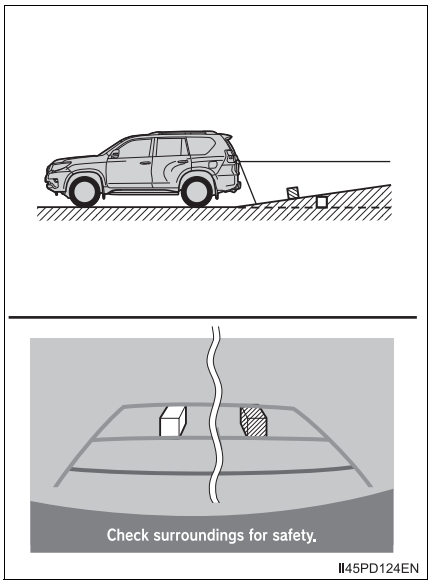
The distance guide lines and the vehicle width extension guide lines may not actually be parallel with the dividing lines of the parking space, even when they appear to be so. Be sure to check visually.

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

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

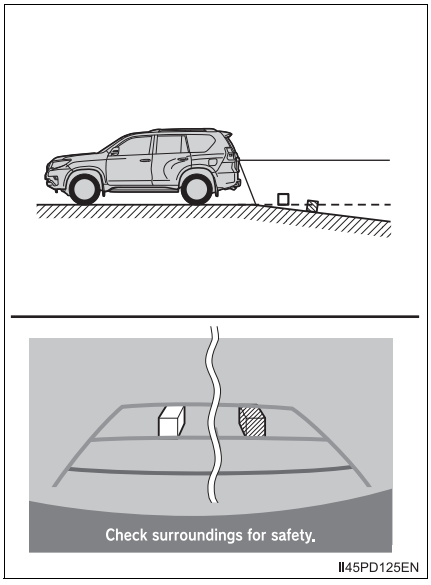
● When the ground behind the vehicle slopes up sharply

The distance guide lines will appear to be closer to the vehicle than the actual distance. Because of this, objects will appear to be farther away than they actually are. In the same way, there will be a margin of error between the guide lines and the actual distance/course on the road.



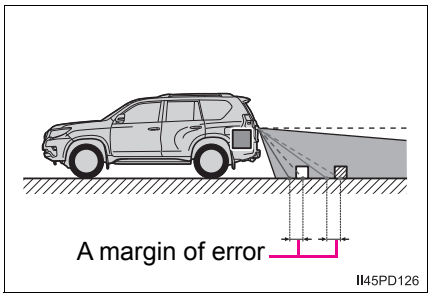
● When the ground behind the vehicle slopes down sharply

The distance guide lines will appear to be further from the vehicle than the actual distance. Because of this, objects will appear to be closer than they actually are. In the same way, there will be a margin of error between the guide lines and the actual distance/course on the road.



● When any part of the vehicle sags

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

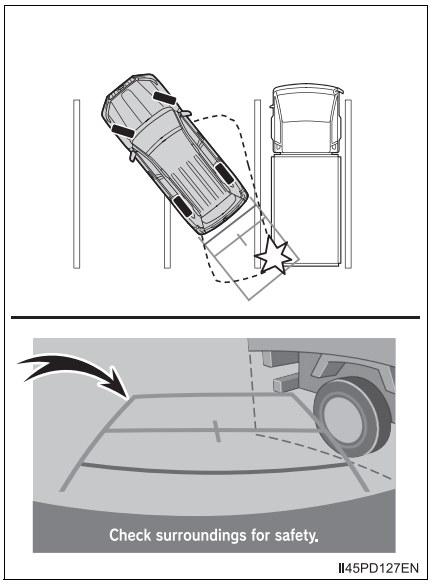


■ When approaching three-dimensional objects

The distance guide lines are displayed according to flat surfaced objects (such as the road). It is not possible to determine the position of three-dimensional objects (such as vehicles) using the distance guide lines. When approaching a three-dimensional object that extends outward (such as the flatbed of a truck), be careful of the following.

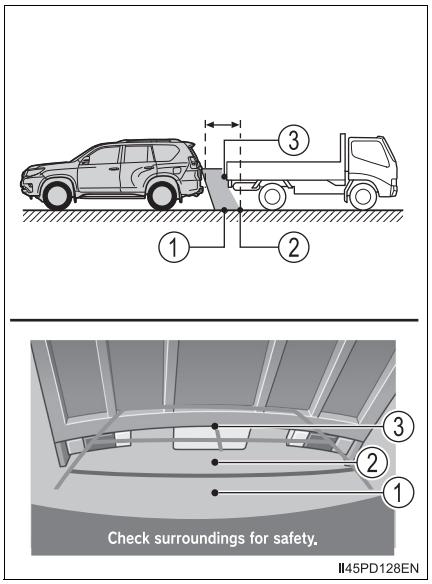
● Vehicle width extension guide lines

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



● Distance guide lines

Visually check the surroundings and the area behind the vehicle. On the screen, it appears that a truck is parking at point ②. However, in reality if you back up to point ①, you will hit the truck. On the screen, it appears that ① is closest and ③ is farthest away. However, in reality, the distance to ① and ③ is the same, and ② is farther than ① and ③.



Things you should know

■ If you notice any symptoms

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

If the symptom is not resolved by the solution, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

Likely cause	Solution
❑ The image is difficult to see	
• The vehicle is in a dark area • The temperature around the lens is either high or low • The outside temperature is low • There are water droplets on the camera • It is raining or humid • Foreign matter (mud etc.) is adhering to the camera • There are scratches on the camera • Sunlight or headlights are shining directly into the camera • The vehicle is under fluorescent lights, sodium lights, mercury lights etc.	If this happens due to these causes, it does not indicate a malfunction. Back up while visually checking the vehicle's surroundings. (Use the monitor again once conditions have been improved.) The image on the rear view monitor system screen can be adjusted, refer to the "Navigation and multimedia system Owner's manual".
❑ The image is blurry	
Dirt or foreign matter (such as water droplets, snow, mud etc.) is adhering to the camera.	Flush the camera with a large quantity of water and wipe the camera lens clean with a soft and wet cloth.
❑ The image is out of alignment	
The camera or surrounding area has received a strong impact.	Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

Likely cause	Solution
❑ The fixed guide lines are very far out of alignment	
The camera position is out of alignment.	Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
• The vehicle is tilted (there is a heavy load on the vehicle, tire pressure is low due to a tire puncture, etc.) • The vehicle is used on an incline.	If this happens due to these causes, it does not indicate a malfunction. Back up while visually checking the vehicle's surroundings.

WARNING

■When using the rear view monitor system

The rear view monitor system is a supplemental device intended to assist the driver when backing up. When backing up, be sure to check visually behind and all around the vehicle before proceeding.

Observe the following precautions to avoid an accident that could result in death or serious injuries.

- Never depend on the rear view monitor system entirely when backing up. The image and the position of the guide lines displayed on the screen may differ from the actual state.
  Use caution, just as you would when backing up any vehicle.
- Be sure to back up slowly, depressing the brake pedal to control vehicle speed.
- The instructions given are only guide lines.
  When and how much to turn the steering wheel will vary according to traffic conditions, road surface conditions, vehicle condition, etc. when parking. It is necessary to be fully aware of this before using the rear view monitor system.
- When parking, be sure to check that the parking space will accommodate your vehicle before maneuvering into it.
- Do not use the rear view monitor system in the following cases:
  - On icy or slick road surfaces, or in snow
  - When using tire chains
  - When the back door is not closed completely
  - On roads that are not flat or straight, such as curves or slopes.
- In low temperatures, the screen may darken or the image may become faint. The image could distort when the vehicle is moving, or you may become unable to see the image on the screen. Be sure to check direct visually and with the mirrors all around the vehicle before proceeding.
- If the tire sizes are changed, the position of the fixed guide lines displayed on the screen may change.
- The camera uses a special lens. The distances between objects and pedestrians that appear in the image displayed on the screen will differ from the actual distances. (→P. 407)

NOTICE

■ **How to use the camera**

- The rear view monitor system may not operate properly in the following cases.
  - If the back of the vehicle is hit, the position and mounting angle of the camera may change.
  - As the camera has a water proof construction, do not detach, disassemble or modify it. This may cause incorrect operation.
  - When cleaning the camera lens, flush the camera with a large quantity of water and wipe it with a soft and wet cloth. Strongly rubbing the camera lens may cause the camera lens to be scratched and unable to transmit a clear image.
  - Do not allow organic solvent, car wax, window cleaner or glass coat to adhere to the camera. If this happens, wipe it off as soon as possible.
  - If the temperature changes rapidly, such as when hot water is poured on the vehicle in cold weather, the system may not operate normally.
  - When washing the vehicle, do not apply intensive bursts of water to the camera or camera area. Doing so may result in the camera malfunctioning.
  - When the camera is used under fluorescent lights, sodium light or mercury light etc., the lights and the illuminated areas may appear to flicker.
- Do not expose the camera to strong impact as this could cause a malfunction. If this happens, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer as soon as possible.

Toyota parking assist monitor*

The parking assist monitor assists the driver by displaying an image of the view behind the vehicle while backing up, for example while parking.

The parking assist monitor assists with the following 2 backing-up operations:

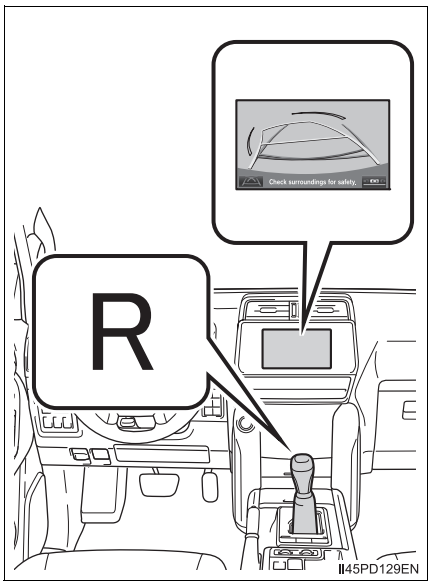
- Perpendicular parking (parking in a garage, etc.)
- Parallel parking (parking at the side of the road, etc.)

The screen illustrations used in this text are intended as examples, and may differ from the image that is actually displayed on the screen.

Parking assist monitor will activate when the shift lever is in R.

The parking assist monitor system will be deactivated when the shift lever is in any position other than R.

When the shift lever is shifted to the R position and any mode button (such as “MENU”) is pressed, the parking assist monitor is canceled, and the screen is switched to the mode of the button that was pressed.



*: If equipped

Using the Toyota parking assist monitor

■ Screen display

▶ Vehicles without a smart entry & start system

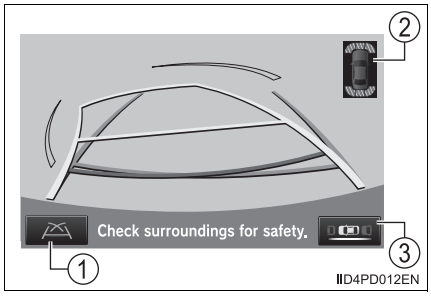
The rear view monitor system screen will be displayed if the shift lever is shifted to R while the engine switch is in the “ON” position.

▶ Vehicles with a smart entry & start system

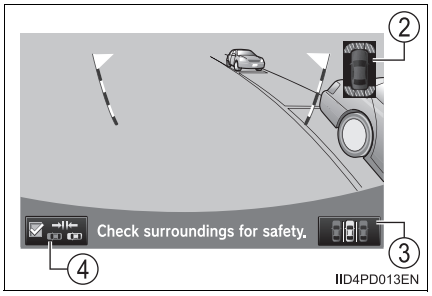
The parking assist monitor screen will be displayed if the shift lever is shifted to R while the engine switch is in IGNITION ON mode.

The parking assist monitor displays the last-used parking mode first.

▶ Perpendicular parking



▶ Parallel parking



① Display mode switch screen button

Switches the display mode. (→P. 417)

② Toyota parking assist-sensor display

If an obstacle is detected while the Toyota parking assist-sensor is on, a display is shown in the top right corner of the screen.

③ Parking mode switch screen button

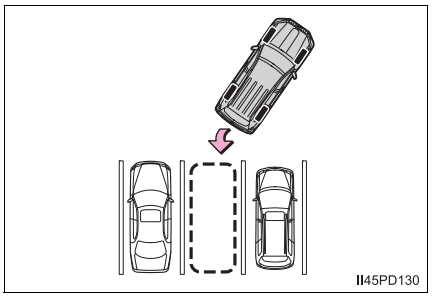
Switches the parking mode (between perpendicular parking and parallel parking assist screens)

④ Narrow mode screen on-off button

Switch the narrow mode on and off. (→P. 430)

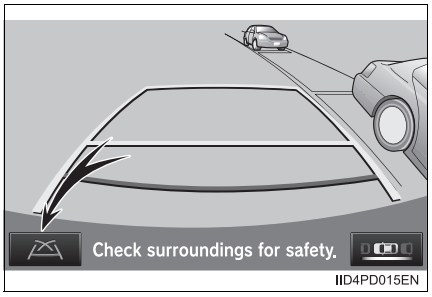
■ **Using the system when perpendicular parking**

Use any of the following modes when perpendicular parking (for example, when parking in a garage).



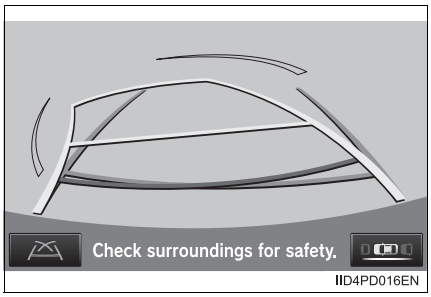
Each time you select the display mode switch screen button, the display mode switches in the following order:

Estimated course line display mode
↓
Parking assist guide line display mode
↓
Distance guide line display mode



● Estimated course line display mode (→P. 420)

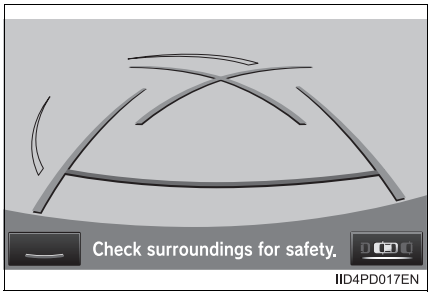
Estimated course lines are displayed which move in accordance with the operation of the steering wheel.



ID4PD016EN

● Parking assist guide line display mode (→P. 422)

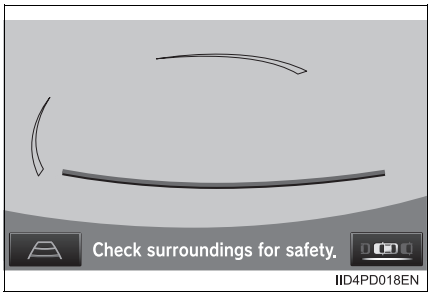
The steering wheel return points (parking assist guide lines) are displayed.



ID4PD017EN

● Distance guide line display mode

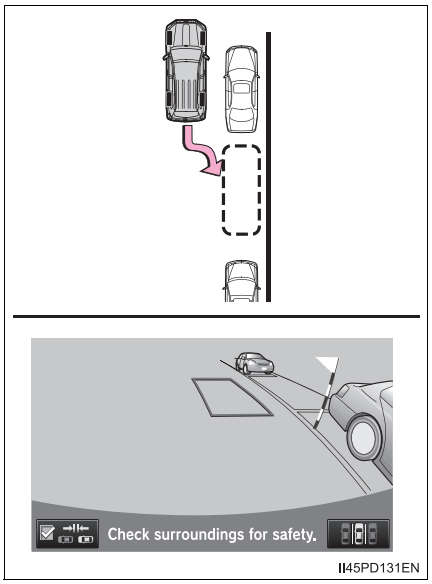
Distance guide lines only are displayed.



ID4PD018EN

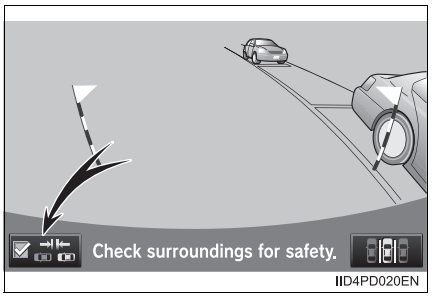
■ Using the system when parallel parking

Screen display and beep sounds provide an estimation of the point at which you should turn the steering wheel when parallel parking. If the position the vehicle is to be parked in is narrower than usual, narrow mode can be used.



II45PD131EN

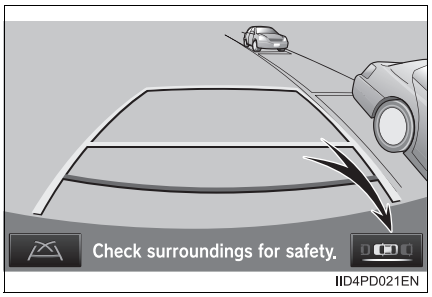
Each time you select the narrow mode screen on-off button, the narrow mode and the normal mode are switched.



IID4PD020EN

■ Switching the parking mode screen

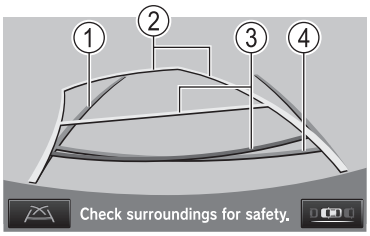
Each time you select the parking mode switch screen button, the perpendicular parking mode and parallel parking mode are switched.



IID4PD021EN

Perpendicular parking (estimated course line display mode)

■ Screen description



ID4PD022EN

① Vehicle width extension guide line

The line indicates a guide path when the vehicle is being backed straight up.
The displayed width is wider than the actual vehicle width.
The line aligns with the estimated course lines when the steering wheel is straight.

② Estimated course lines

The lines show an estimated course when the steering wheel is turned.

③ Distance guide line

The line moves, together with the estimated course lines, in sync with the steering wheel. The line shows points approximately 0.5 m (1.5 ft.) (red) and approximately 1 m (3 ft.) (yellow) from the center of the edge of the bumper.

④ Distance guide line

The line shows distance behind the vehicle, a point approximately 0.5 m (1.5 ft.) (blue) from the edge of the bumper.

■ **Parking operation**

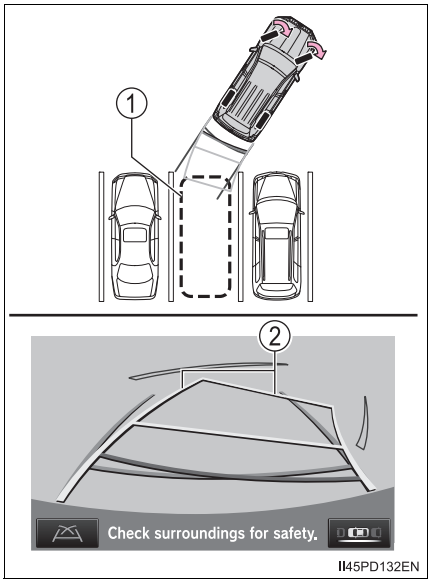
When parking in a space which is in the reverse direction to the space described in the procedure below, the steering directions will be reversed.

1 Shift the shift lever to the R position.

2 Turn the steering wheel so that the estimated course lines are within the parking space, and back up slowly.

① Parking space

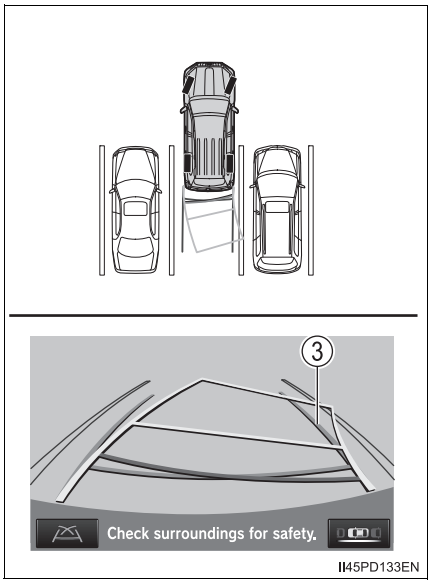
② Estimated course lines



II45PD132EN

3 When the rear position of the vehicle has entered the parking space, turn the steering wheel so that the vehicle width extension guide lines are within the left and right dividing lines of the parking space.

③ Vehicle width extension guide line



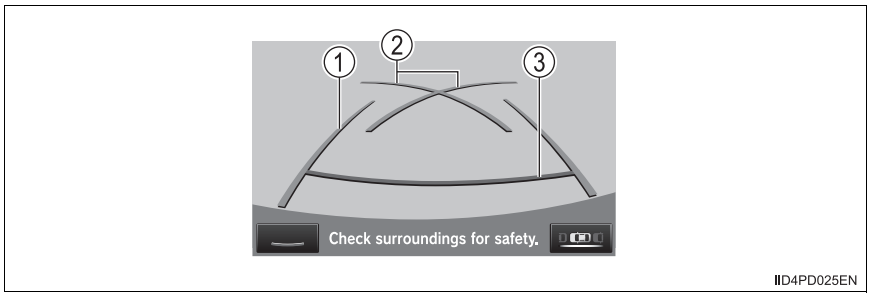
II45PD133EN

4 Once the vehicle width extension guide lines and the parking space lines are parallel, straighten the steering wheel and back up slowly until the vehicle has completely entered the parking space.

5 Stop the vehicle in an appropriate place, and finish parking.

Perpendicular parking (parking assist guide line display mode)

■ Screen description



① Vehicle width extension guide lines
These lines indicate a guide path when the vehicle is being backed straight up. The displayed width is wider than the actual vehicle width.

② Parking assist guide lines
These lines indicate the path of the smallest turn possible behind the vehicle.
These lines also indicate the approximate position of the steering wheel when parking.

③ Distance guide line
This line (red) indicates points approximately 0.5 m (1.5 ft.) behind the rear bumper of your vehicle.

■ **Parking operation**

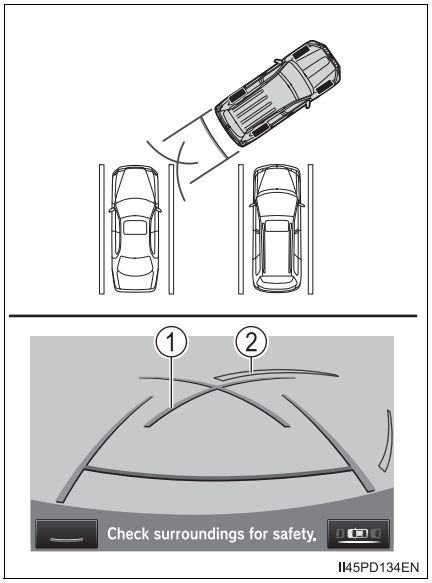
When parking in a space which is in the reverse direction to the space described in the procedure below, the steering directions will be reversed.

1 Shift the shift lever to the R position.

2 Back up until the parking assist guide line meets the edge of the left-hand dividing line of the parking space.

① Parking assist guide line

② Parking space dividing line



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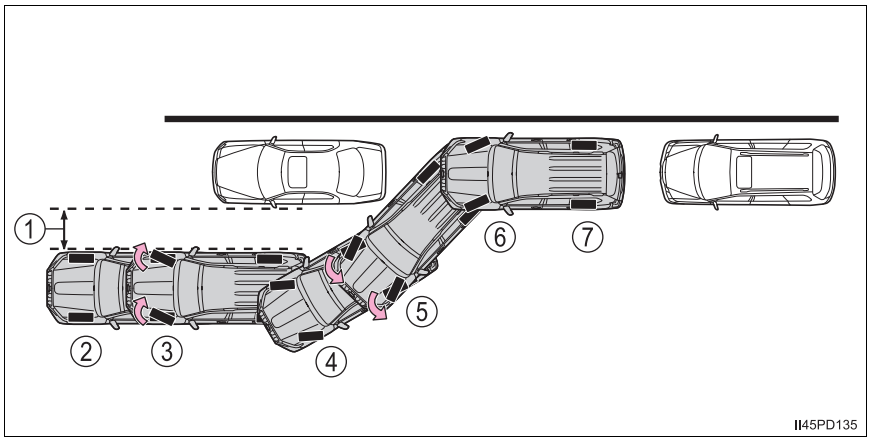
3 Turn the steering wheel all the way to the right, and back up slowly.

4 Once the vehicle is parallel with the parking space, straighten the steering wheel and back up slowly until the vehicle has completely entered the parking space.

5 Stop the vehicle in an appropriate place, and finish parking.

Parallel parking

■ Vehicle movement procedure



① Approx. 1 m (3 ft.)

② Keeping parallel with the road, stop the vehicle leaving a gap of approximately 1 m (3 ft.) between your vehicle and the parked vehicle (Step 1 in “Parking operation”).

③ Back up until the black and yellow vertical pole just overlaps the rear end of the parked vehicle. Then stop the vehicle (Step 4 in “Parking operation”).

Leaving the vehicle stopped, move the steering wheel until the blue outline meets the desired parking space, and back up while keeping the steering wheel in that position (Step 5 in “Parking operation”).

④ A curved blue line is displayed. Keep the steering wheel in the same position and back up until the curved blue line meets the right corner of the parking space (Step 7 in “Parking operation”).

⑤ When it meets the right corner of the parking space, turn the steering wheel in the opposite direction as far as it will go (Step 8 in “Parking operation”).

⑥ Keeping the steering wheel in that position, check your surroundings visually and using mirrors, and back up using the distance guide lines etc. as a reference (Step 9 in “Parking operation”).

⑦ When the vehicle is approximately in the desired parking location, parallel parking assist is complete (Step 10 in “Parking operation”).

■ **Parking operation**

The following example describes the procedure for pulling into a parking space on the right. For pulling into a parking space on the left, substitute left for right and vice versa in all steps.

1 Stop the vehicle in the position as described below, and straighten the steering wheel.

① Roughly half a vehicle's length

② Desired parking space

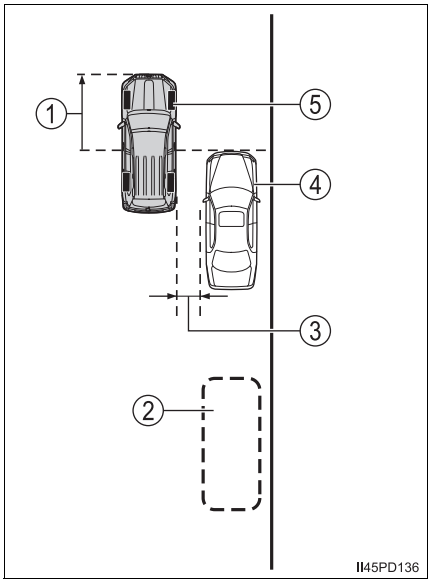
③ Approx. 1 m (3 ft.)

④ Parked vehicle

⑤ Your vehicle

A position in which you are parallel with the road (or the side of the road), and in which there is approximately 1 m (3 ft.) of space between your vehicle and the parked vehicle

A position in which you are half a vehicle's length ahead of the parked vehicle



2 Shift the shift lever to the R position.

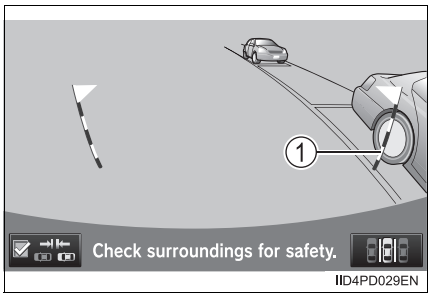
3 Make sure the monitor displays the part behind the rear tires of the parked vehicle, and select .

If the area is not displayed, move the vehicle to forward.

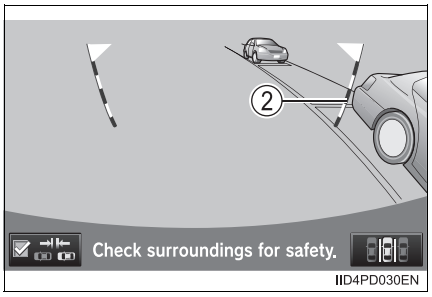
4 With the steering wheel straight, back up slowly to a position at which the black and yellow vertical pole just overlaps the rear end of the parked vehicle. Then stop the vehicle.

① Black and yellow vertical pole

② Back the vehicle up to here



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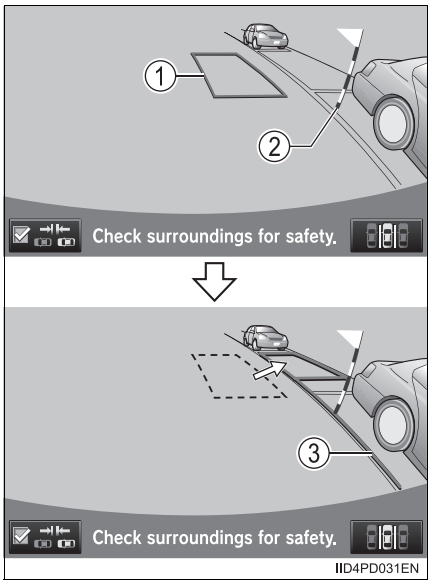
5 Turn the steering wheel with the vehicle stopped until the blue outline meets the desired parking space.

① Blue outline

② Black and yellow vertical pole

③ Extended line

If the extended line from the blue outline is displayed, the parallel parking assist is operational.

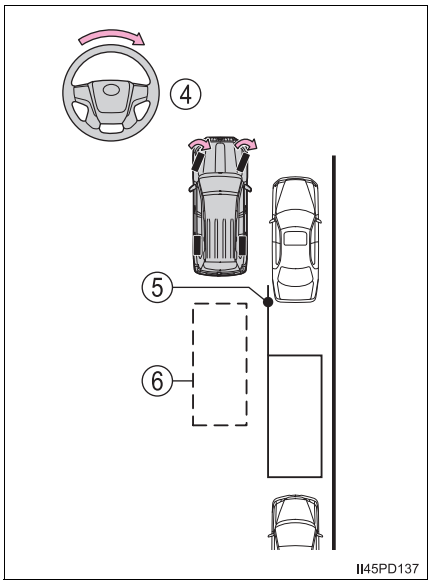


ID4PD031EN

④ Turn the steering wheel right

⑤ Black and yellow vertical pole

⑥ Blue outline



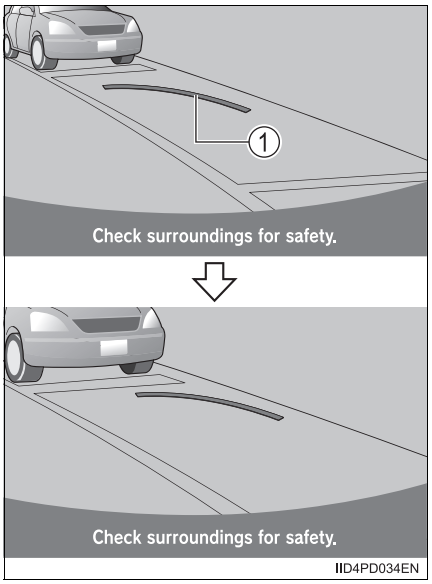
I45PD137

6 Keep the steering wheel in its current position and backing up.

When backing up, be careful not to hit any obstacles with the right front corner of your vehicle. Back the vehicle up slowly.

7 A curved blue line will appear on the screen. Keep the steering wheel in its current position and back up slowly. Stop when the curved blue line meets the corner of the desired parking space.

① Curved blue line



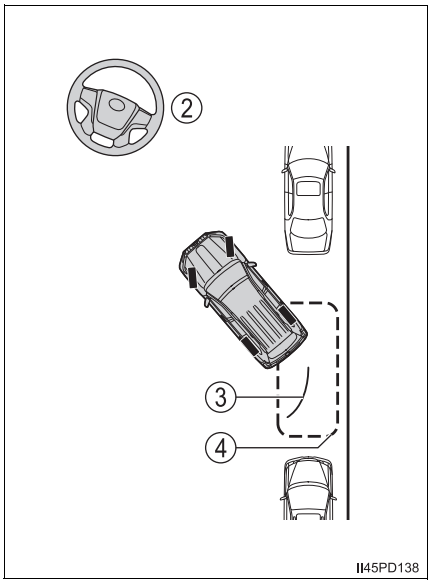
ID4PD034EN

② Back up keeping the steering wheel in its current position

③ Curved blue line

④ Curved blue line meets the corner here

If you back up too quickly, you may lose synchronization with the parallel parking assist.



45PD138

8 Leaving the vehicle stopped, turn the steering wheel all the way to the left.

Be sure to turn the steering wheel only when the vehicle is stopped.

9 When the screen changes, keep the steering wheel in its current position and back up.

When backing up, be careful not to hit any obstacles with the right front corner of your vehicle. Back the vehicle up slowly.

10 When the vehicle is parallel with the road or the shoulder, straighten the steering wheel.
Check your surroundings visually and with the mirrors, then back up using the distance guide lines as a reference, and stop.

When the vehicle is approximately in the desired parking location, the parallel parking assist is complete.

● Parallel parking assist mode information

- There is a possibility that parallel parking guidance may not be given when backing up at a very slow speed.
- If the back door is opened during parallel parking guidance, the parallel parking assist will be interrupted and canceled. Stop the vehicle, shift the shift lever out of the R position, and restart the operation from the step 1.

● Canceling parallel parking assist

Select .

● Vehicles with Toyota parking assist-sensor

If Toyota parking assist-sensor detects an object while you attempt to park in a parking space on the left, the black and yellow vertical pole could be obscured by Toyota parking assist-sensor display. In this event, turn Toyota parking assist-sensor switch off (→P. 394), and operate the vehicle while checking the safety of the surrounding area direct visually and with mirror. After the operation, turn the switch on.

● If the message “Steering wheel turned too far, please return.” is displayed

The steering wheel has been turned too far, and the system cannot function. Return the steering wheel to its original position.
If the message is displayed before the outline is positioned over the desired parking space, it is likely that the vehicle is too far away from the shoulder. Check that there is a gap of approximately 1 m (3 ft.) between your vehicle and the parked vehicle.

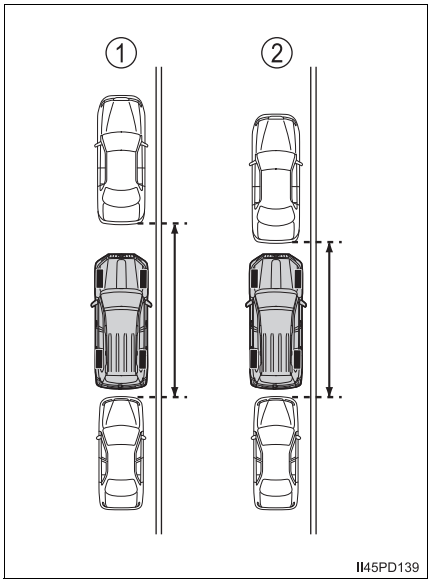
■ **Narrow mode**

If the position the vehicle is to be parked in is narrower than usual, narrow mode can be used.

① Normal mode

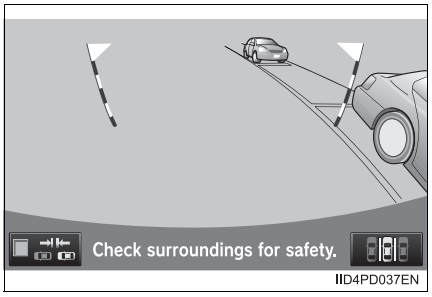
② Narrow mode

The engine switch is turned off when the parking assist monitor is canceled with narrow mode, the caution screen is displayed first when the parallel parking assist is selected next time.



● Operating narrow mode

1 Select / while in parallel parking assist mode.

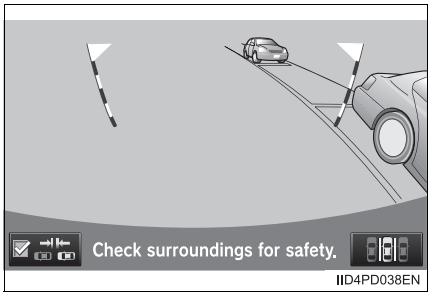


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2 Confirm the warning on the caution screen. If you agree, select “I Agree”. To cancel narrow mode, select .

3 When the system is switched to narrow mode, the indicator on / will be turned on.

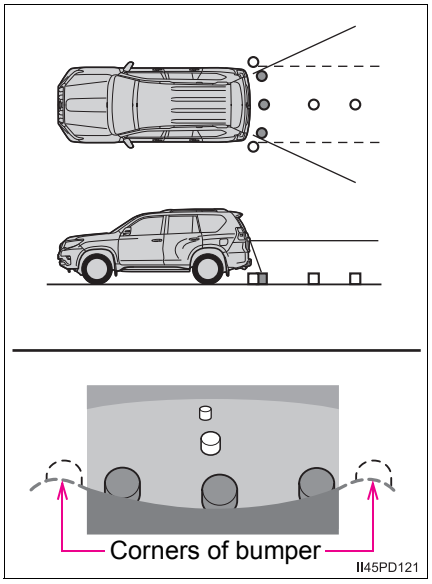
Select / again to switch the system to the normal mode.



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Toyota parking assist monitor precautions

■ Area displayed on screen



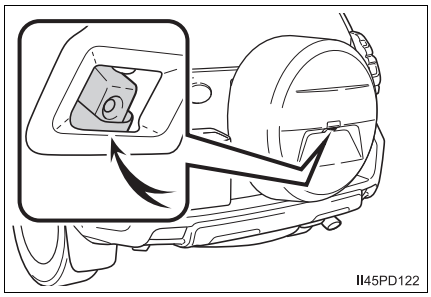
The parking assist monitor displays an image of the view from the bumper of the rear area of the vehicle.

The image on the rear view monitor system screen can be adjusted, refer to the “Navigation and multimedia system Owner’s manual”.

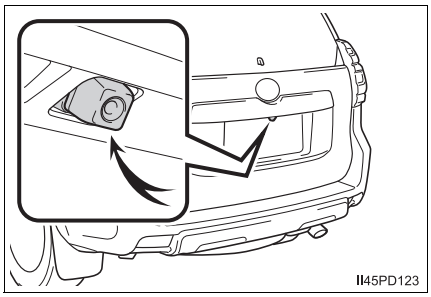
- The area displayed on the screen may vary according to vehicle orientation conditions.
- Objects which are close to either corner of the bumper or under the bumper cannot be seen on the screen.
- The camera uses a special lens. The distance of the image that appears on the screen differs from the actual distance.
- Items which are located higher than the camera may not be displayed on the monitor.
- If your vehicle is equipped with a backlit license plate, it may interfere with the display.

■ **Toyota parking assist monitor camera**

▶ Vehicles with back door mounted spare tire



▶ Vehicles with under floor mounted spare tire



● Using the camera

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

■ **Differences between the screen and the actual road**

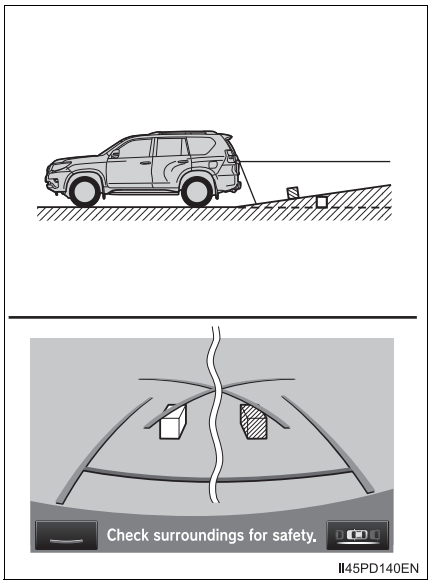
The distance guide lines and the vehicle width extension guide lines may not actually be parallel with the dividing lines of the parking space, even when they appear to be so. Be sure to check visually.

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

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

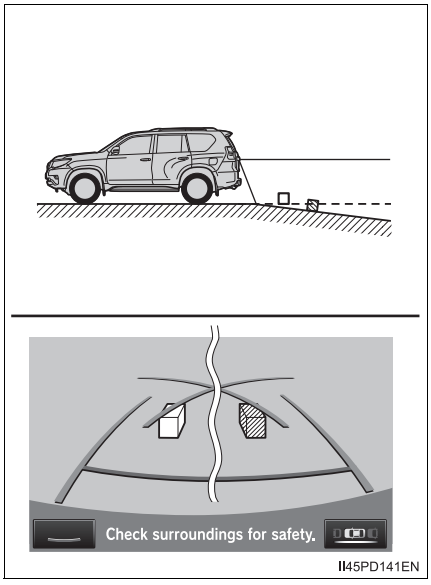
● When the ground behind the vehicle slopes up sharply

The distance guide lines will appear to be closer to the vehicle than the actual distance. Because of this, objects will appear to be farther away than they actually are. In the same way, there will be a margin of error between the guidelines and the actual distance/course on the road.



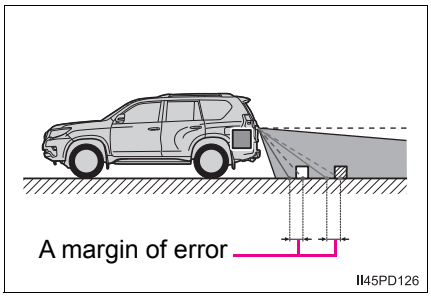
● When the ground behind the vehicle slopes down sharply

The distance guide lines will appear to be further from the vehicle than the actual distance. Because of this, objects will appear to be closer than they actually are. In the same way, there will be a margin of error between the guidelines and the actual distance/course on the road.



● When any part of the vehicle sags

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

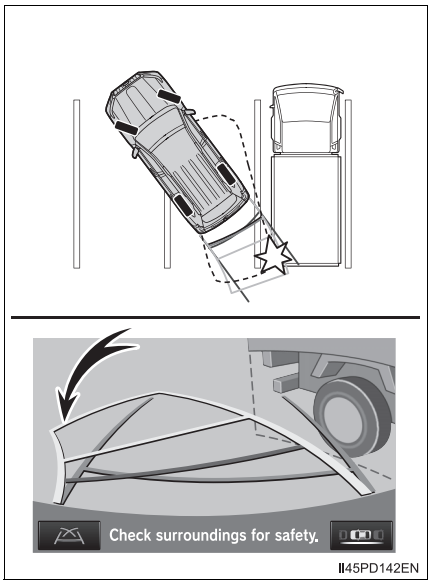


■ When approaching three-dimensional objects

The estimated course lines target a flat surfaced objects (such as the road). It is not possible to determine the position of three-dimensional objects (such as vehicles) using the estimated course lines and distance guide lines. When approaching a three-dimensional object that extends outward (such as the flatbed of a truck), be careful of the following.

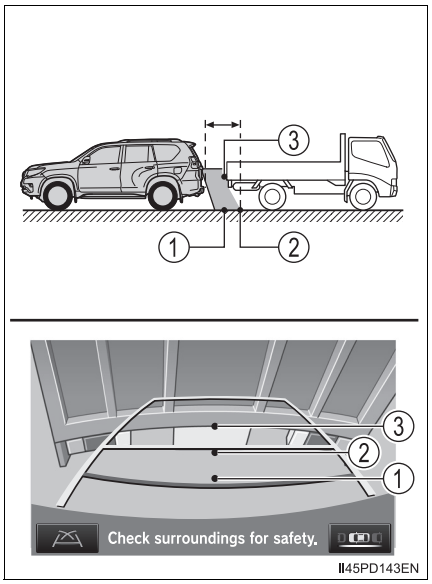
● Estimated course lines

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



● Distance guidelines

Visually check the surroundings and the area behind the vehicle. On the screen, it appears that a truck is parking at point ②. However, in reality if you back up to point ①, you will hit the truck. On the screen, it appears that ① is closest and ③ is farthest away. However, in reality, the distance to ① and ③ is the same and ② is farther than ① and ③.



Things you should know

■ If you notice any symptoms

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

If the symptom is not resolved by the solution, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

Likely cause	Solution
❑ The image is difficult to see	
• The vehicle is in a dark area • The temperature around the lens is either high or low • The outside temperature is low • There are water droplets on the camera • It is raining or humid • Foreign matter (mud etc.) is adhering to the camera • There are scratches on the camera • Sunlight or headlights are shining directly into the camera • The vehicle is under fluorescent lights, sodium lights, mercury lights etc.	If this happens due to these causes, it does not indicate a malfunction. Back up while visually checking the vehicle's surroundings. (Use the monitor again once conditions have been improved.) The image on the rear view monitor system screen can be adjusted, refer to the "Navigation and multimedia system Owner's manual".
❑ The image is blurry	
Dirt or foreign matter (such as water droplets, snow, mud etc.) is adhering to the camera.	Flush the camera with a large quantity of water and wipe the camera lens clean with a soft and wet cloth.
❑ The image is out of alignment	
The camera or surrounding area has received a strong impact.	Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

Likely cause	Solution
❑ The guide lines are very far out of alignment	
The camera position is out of alignment.	Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
• The vehicle is tilted (there is a heavy load on the vehicle, tire pressure is low due to a tire puncture, etc.) • The vehicle is used on an incline.	If this happens due to these causes, it does not indicate a malfunction. Back up while visually checking the vehicle's surroundings.
❑ The estimated course lines move even though the steering wheel is straight	
There is a malfunction in the signals being output by the steering sensor.	Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
❑ Guide lines are not displayed	
The back door is open.	Close the back door. If this does not resolve the symptom, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
❑ "System is initializing." is displayed	
• The battery has been reinstalled. • The steering wheel has been moved while the battery was being reinstalled. • Battery power is low. • The steering sensor has been reinstalled. • There is a malfunction in the signals being output by the steering sensor.	Stop the vehicle, and turn the steering wheel as far as it will go to the left and right. (Selecting "?" on the screen displays the operating procedure above.) If this does not resolve the symptom, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer. • On the system initialization screen, touch the "?" button to display the operating procedure.

WARNING

■ **When using the Toyota parking assist monitor system**

The parking assist monitor is a supplemental device intended to assist the driver when backing up. When backing up, be sure to check visually behind and all around the vehicle before proceeding.

Observe the following precautions to avoid an accident that could result in death or serious injuries.

- Never depend on the parking assist monitor entirely when backing up. The image and the position of the guide lines displayed on the screen may differ from the actual state.
  Use caution, just as you would when backing up any vehicle.
- Be sure to back up slowly, depressing the brake pedal to control vehicle speed.
- If you seem likely to hit nearby vehicles, obstacles, people or mount the shoulder, depress the brake pedal to stop the vehicle, then disable the assist system by select  on the screen to cancel the system.
- The instructions given are only guidelines.
  When and how much to turn the steering wheel will vary according to traffic conditions, road surface conditions, vehicle condition, etc. when parking. It is necessary to be fully aware of this before using the parking assist system.
- When parking, be sure to check that the parking space will accommodate your vehicle before maneuvering into it.
- Do not use the parking assist monitor in the following cases:
  - On icy or slick road surfaces, or in snow
  - When using tire chains
  - When the back door is not closed completely
  - On roads that are not flat or straight, such as curves or slopes.
- In low temperatures, the screen may darken or the image may become faint. The image could distort when the vehicle is moving, or you may become unable to see the image on the screen. Be sure to check direct visually and with the mirrors all around the vehicle before proceeding.

WARNING

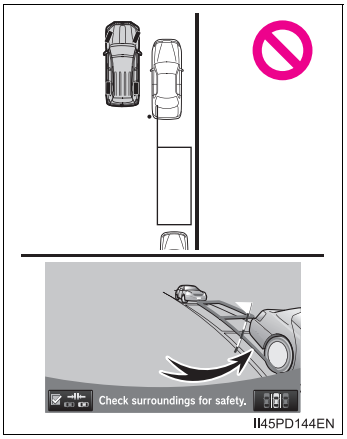
- If the tire sizes are changed, the position of the guide lines displayed on the screen may change.
- The camera uses a special lens. The distances between objects and pedestrians that appear in the image displayed on the screen will differ from the actual distances. (→P. 433)

■ When using the perpendicular parking assist screen

Estimated course line display mode: If the steering wheel is straight and the vehicle width extension guide lines and the estimated course lines are not in alignment, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ When using the parallel parking assist screen

- Do not use the system if the display is incorrect due to an uneven (curvy/hilly) road or a non-straight road.
- Make sure to operate the steering wheel only when the vehicle is stopped.
- Be sure to check that there are no obstacles inside the blue outline.
  If there are any obstacles inside the blue outline, do not use the parallel parking assist.
- When positioning the blue outline over the parking space, be sure to position it so that the extended blue line may not cross the tire of the vehicle parked in front of the empty space.
- If the extended line of the blue outline may be crossing the parked vehicle, your vehicle is too close. Check that there is a gap of approximately 1 m (3 ft.) between your vehicle and the parked vehicle.



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NOTICE

■ **How to use the camera**

- The parking assist monitor may not operate properly in the following cases.
  - If the back of the vehicle is hit, the position and mounting angle of the camera may change.
  - As the camera has a water proof construction, do not detach, disassemble or modify it. This may cause incorrect operation.
  - When cleaning the camera lens, flush the camera with a large quantity of water and wipe it with a soft and wet cloth. Strongly rubbing the camera lens may cause the camera lens to be scratched and unable to transmit a clear image.
  - Do not allow organic solvent, car wax, window cleaner or glass coat to adhere to the camera. If this happens, wipe it off as soon as possible.
  - If the temperature changes rapidly, such as when hot water is poured on the vehicle in cold weather, the system may not operate normally.
  - When washing the vehicle, do not apply intensive bursts of water to the camera or camera area. Doing so may result in the camera malfunctioning.
  - When the camera is used under fluorescent lights, sodium light or mercury light etc., the lights and the illuminated areas may appear to flicker.
- Do not expose the camera to strong impact as this could cause a malfunction. If this happens, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer as soon as possible.

Driving assist systems

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

◆ ABS (Anti-lock Brake System)

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

◆ Multi Terrain ABS (Anti-lock Brake System) (if equipped)

→Refer to the “Off-road Driving Owner’s Manual”

◆ Brake assist

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

◆ VSC (Vehicle Stability Control)

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

◆ TRC (Traction Control) for 2TR-FE engines and H4 position on 1GR-FE, 1GD-FTV and 1KD-FTV engines

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

◆ Active TRC (Traction Control) for L4 position on 1GR-FE, 1GD-FTV and 1KD-FTV engines*

→Refer to the “Off-road Driving Owner’s Manual”

◆ Hill-start assist control

→Refer to the “Off-road Driving Owner’s Manual”

◆ KDSS (Kinetic Dynamic Suspension System) (if equipped)

→Refer to the “Off-road Driving Owner’s Manual”

◆ Emergency brake signal

When the brakes are applied suddenly, the emergency flashers automatically flash to alert the vehicle behind.

◆ Trailer Sway Control (if equipped)

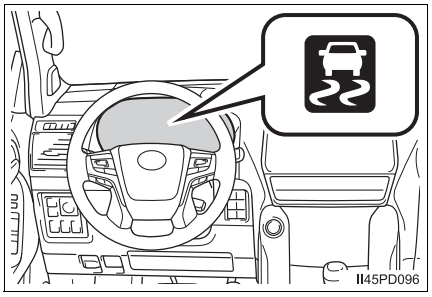
Helps the driver to control trailer sway by selectively applying brake pressure for individual wheels and reducing driving torque when trailer sway is detected.

Trailer Sway Control is part of the VSC system and will not operate if VSC turned off or experiences a malfunction.

*: The function only works in vehicles with Multi-terrain Select when Multi terrain Select is switched on

When the TRC/VSC/Trailer Sway Control systems are operating

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



Disabling the TRC system

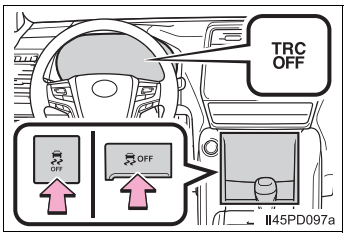
If the vehicle gets stuck in mud, dirt or snow, the TRC system may reduce power from the engine to the wheels. Pressing or to turn the system off may make it easier for you to rock the vehicle in order to free it.

■ Turning off TRC system only

To turn the TRC system off, quickly press and release or .

The “TRC OFF” indicator light will come on.

Press or again to turn the system back on.



■ Turning off TRC, VSC and Trailer Sway Control systems

To turn the TRC, VSC and Trailer Sway Control systems off, press and hold or for more than 3 seconds while the vehicle is stopped.

The “TRC OFF” indicator light and the VSC OFF indicator light will come on.*

Press or again to turn the system back on.

*: Pre-crash brake assist and pre-crash braking will also be disabled. The PCS warning light will come on and the message will be shown on the multi-information display. (→P. 357)

■ When the “TRC OFF” indicator light comes on even if or has not been pressed

TRC is temporary deactivated. If the indicator light continues to remain on, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ Sounds and vibrations caused by the ABS, brake assist, VSC, Trailer Sway Control, TRC and hill-start assist control systems

- A sound may be heard from the engine compartment when the brake pedal is depressed repeatedly, when the engine is started or just after the vehicle begins to move. This sound does not indicate that a malfunction has occurred in any of these systems.
- Any of the following conditions may occur when the above systems are operating. None of these indicates that a malfunction has occurred.
  - Vibrations may be felt through the vehicle body and steering.
  - A motor sound may be heard also after the vehicle comes to a stop.
  - The brake pedal may pulsate slightly after the ABS is activated.
  - The brake pedal may move down slightly after the ABS is activated.

■ **Automatic reactivation of TRC, Trailer Sway Control and VSC systems**

After turning the TRC, Trailer Sway Control and VSC systems off, the systems will be automatically re-enabled in the following situations.

- When the engine switch is turned off
- If only the TRC system is Turned off, the TRC will turn on when vehicle speed increases

If both the TRC and VSC systems are turned off, automatic re-enabling will not occur when vehicle speed increases.

■ **Operating conditions of emergency brake signal**

When the following three conditions are met, the emergency brake signal will operate:

- The emergency flashers are off.
- Actual vehicle speed is over 55 km/h (35 mph).
- The brake pedal is depressed in a manner that cause the system to judge from the vehicle deceleration that this is a sudden braking operation.

■ **Automatic system cancelation of emergency brake signal**

The emergency brake signal will turn off in any of the following situations:

- The emergency flashers are turned on.
- The brake pedal is released.
- The system judges from the vehicle deceleration that is not a sudden braking operation.

■ **When the brake system operates continuously**

The brake actuator may overheat. In this case, the TRC (vehicles other than 2TR-FE engines) will stop operating, a buzzer will sound and the “TRC OFF” indicator will come on. Refrain from using the system until the “TRC OFF” indicator turns off. (There is no problem with continuing normal driving.)

■ **KDSS (if equipped)**

Some difference of vehicle height between left and right side can appear. This does not indicate a malfunction in the KDSS system. For more information, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

WARNING

■ **The ABS does not operate effectively when**

- The limits of tire gripping performance have been exceeded (such as excessively worn tires on a snow covered road).
- The vehicle hydroplanes while driving at high speed on wet or slick road.

■ **Stopping distance when the ABS is operating may exceed that of normal conditions**

The ABS is not designed to shorten the vehicle's stopping distance. Always maintain a safe distance from the vehicle in front of you, especially in the following situations:

- When driving on dirt, gravel or snow-covered roads
- When driving with tire chains
- When driving over bumps in the road
- When driving over roads with potholes or roads with uneven surfaces

■ **TRC/VSC may not operate effectively when**

Directional control and power may not be achievable while driving on slippery road surfaces, even if the TRC/VSC system is operating.
Drive the vehicle carefully in conditions where stability and power may be lost.

■ **When the TRC/VSC/Trailer Sway Control is activated**

The slip indicator light flashes. Always drive carefully. Reckless driving may cause an accident. Exercise particular care when the indicator light flashes.

■ **When the TRC/VSC/Trailer Sway Control systems are turned off**

Be especially careful and drive at a speed appropriate to the road conditions. As these are the systems to help ensure vehicle stability and driving force, do not turn the TRC/VSC/Trailer Sway Control systems off unless necessary.

Trailer Sway Control is part of the VSC system and will not operate if VSC is turned off or experiences a malfunction.

WARNING

■ **Replacing tires**

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

The ABS, TRC, Trailer Sway Control and VSC systems will not function correctly if different tires are installed on the vehicle.
Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer for further information when replacing tires or wheels.

■ **Handling of tires and the suspension**

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

■ **Trailer Sway Control precaution**

The Trailer Sway Control system is not able to reduce trailer sway in all situations. Depending on many factors such as the conditions of the vehicle, trailer, road surface, and driving environment, the Trailer Sway Control system may not be effective. Refer to your trailer owner's manual for information on how to tow your trailer properly.

■ **If trailer sway occurs**

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

- Firmly grip the steering wheel. Steer straight ahead.
  Do not try to control trailer sway by turning the steering wheel.
- Begin releasing the accelerator pedal immediately but very gradually to reduce speed.
  Do not increase speed. Do not apply vehicle brakes.

If you make no extreme correction with the steering or brakes, your vehicle and trailer should stabilize. (→P. 259)

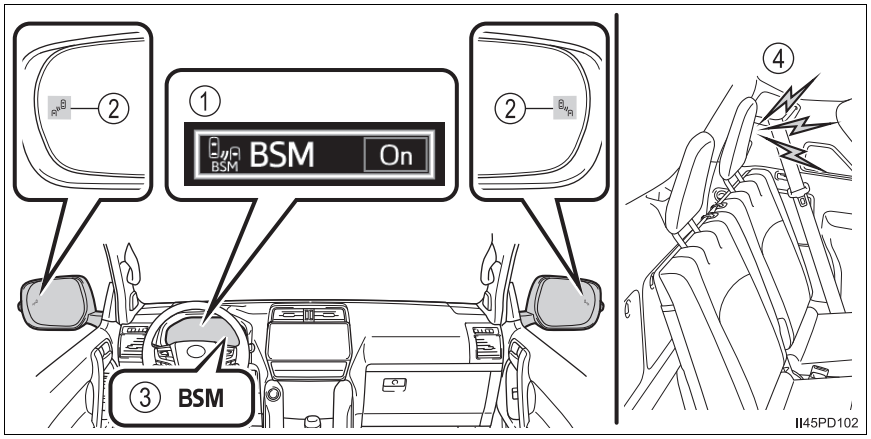
BSM (Blind Spot Monitor)*

Summary of the Blind Spot Monitor

The Blind Spot Monitor is a system that has 2 functions;

- The Blind Spot Monitor function
  Assists the driver in making the decision when changing lanes
- The Rear Crossing Traffic Alert function
  Assists the driver when backing up

These functions use same sensors.



*: If equipped

① Multi-information display

The BSM function/RCTA function can be turned on/off. (→P. 449)

The RCTA function is available when the BSM function is on.

② Outside rear view mirror indicator

BSM function:
When a vehicle is detected in the blind spot, the outside rear view mirror indicator comes on while the turn signal lever is not operated. If the turn signal lever is operated toward the detected side, the outside rear view mirror indicator flashes.

RCTA function:
When a vehicle approaching from the right or left rear of the vehicle is detected, the outside rear view mirror indicators flash.

③ "BSM" indicator

When the BSM function is turned on, the indicator illuminates

④ RCTA buzzer (RCTA function only)

If a vehicle approaching from the right or left at the rear of the vehicle is detected, a buzzer will sound. The buzzer also sounds for approximately 1 second immediately after the BSM function is operated to turn the system on.

Turning the BSM function on/off (→P. 449)

1 Use the meter control switches to select ⚙ on the multi-information display.

2 Choose "BSM" using ENTER, and then press ENTER.

3 Choose "BSM" using ENTER, and then press ENTER.

■ **The outside rear view mirror indicators visibility**

When under strong sunlight, the outside rear view mirror indicator may be difficult to see.

■ **Rear Crossing Traffic Alert buzzer hearing**

Rear Crossing Traffic Alert function may be difficult to hear over loud noises such as high audio volume.

■ **When "BSM not available" is shown on the multi-information display**

Water, snow, mud, etc., may be built up in the vicinity of the sensor area of bumper. (→P. 455)
Removing the water, snow, mud, etc., from the vicinity of the sensor area bumper should return it to normal.
Also, the sensor may not function normally when used in extremely hot or cold weather.

■ **When "Check BSM system" is shown on the multi-information display**

There may be a sensor malfunction or voltage abnormality. Have the vehicle inspected at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **Certification for the Blind Spot Monitor**

▶ For vehicles sold in Ukraine



▶ For vehicles sold in Europe

Manufacturer Postal Address ADC Automotive Distance Control Systems GmbH Peter-Dornier-Strasse 10, 88131 Lindau, Germany	
ОПРОСТЕНА ЕС ДЕКЛАРАЦИЯ ЗА СЪОТВЕТСТВИЕ	С настоящото ADC Automotive Distance Control Systems GmbH декларира, че този тип радиосъоръжение SRR 2-A е в съответствие с Директива 2014/53/ЕС. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: http://continental.automotive-approvals.com/
	радиочестотната лента или ленти, в която или които работи радиосъоръжението: 24.05–24.25 GHz
	максималната радиочестотна мощност, излъчвана в радиочестотната лента или ленти, в която или които работи радиосъоръжението.: 100mW (20 dBm) Peak EIRP
DECLARACIÓN UE DE CONFORMIDAD SIMPLIFICADA	Por la presente, ADC Automotive Distance Control Systems GmbH declara que el tipo de equipo radioeléctrico SRR 2-A es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: http://continental.automotive-approvals.com/
	Banda o bandas de frecuencia en las que opera el equipo radioeléctrico: 24.05–24.25 GHz
	Potencia máxima de radiofrecuencia transmitida en la banda o bandas de frecuencia en las que opera el equipo radioeléctrico: 100mW (20 dBm) Peak EIRP
ZJEDNODUŠENÉ EU PROHLÁŠENÍ O SHODĚ	Tímto ADC Automotive Distance Control Systems GmbH prohlašuje, že typ rádiového zařízení SRR 2-A je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: http://continental.automotive-approvals.com/
	Kmitočtové pásmo (kmitočtová pásma), v němž (v nichž) rádiové zařízení pracuje: 24.05–24.25 GHz
	Maximální radiofrekvenční výkon vysílaný v kmitočtovém pásmu (v kmitočtových pásmech), v němž (v nichž) je rádiové zařízení provozováno: 100mW (20 dBm) Peak EIRP
FORENKLET EU OVERENSSTEMMELSESERKLÆRING	Hermed erklærer ADC Automotive Distance Control Systems GmbH, at radioudstyrstypen SRR 2-A er i overensstemmelse med direktiv 2014/53/EU. EUoverensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: http://continental.automotive-approvals.com/
	Frekvensbånd, som radioudstyret fungerer på: 24.05–24.25 GHz
	Maksimal radiofrekvenseffekt, der udsendes i de frekvensbånd, som radioudstyret fungerer på: 100mW (20 dBm) Peak EIRP
VEREINFACHTE EUKONFORMITÄTSERKLÄRUNG	Hiermit erklärt ADC Automotive Distance Control Systems GmbH, dass der Funkanlagentyp SRR 2-A der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: http://continental.automotive-approvals.com/
	Das Frequenzband oder die Frequenzbänder, in dem bzw. denen die Funkanlage betrieben wird: 24.05–24.25 GHz
	Die in dem Frequenzband oder den Frequenzbändern, in dem bzw. denen die Funkanlage betrieben wird, abgestrahlte maximale Sendeleistung: 100mW (20 dBm) Peak EIRP

LIHTSUSTATUD ELI VASTAVUSDEKLA RATSIOON	Käesolevaga deklareerib ADC Automotive Distance Control Systems GmbH, et käesolev raadioseadme tüüp SRR 2-A vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: http://continental.automotive-approvals.com/
	Sagedusriba(d), millel raadioseade töötab: 24.05–24.25 GHz
	Raadioseadme töösagedus(t)el edastatav maksimaalne saatevõimsus: 100mW (20 dBm) Peak EIRP
ΑΠΛΟΥΣΤΕΥΜΕΝΗ ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΩΣΗΣ ΕΕ	Με την παρούσα ο/η ADC Automotive Distance Control Systems GmbH, δηλώνει ότι ο ραδιοεξοπλισμός SRR 2-A πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: http://continental.automotive-approvals.com/
	Οι ζώνες συχνοτήτων στις οποίες λειτουργεί ο ραδιοεξοπλισμός·: 24.05–24.25 GHz
	η μέγιστη ραδιοηλεκτρική ισχύς στις ζώνες συχνοτήτων στις οποίες λειτουργεί ο ραδιοεξοπλισμός: 100mW (20 dBm) Peak EIRP
SIMPLIFIED EU DECLARATION OF CONFORMITY	Hereby, ADC Automotive Distance Control Systems GmbH declares that the radio equipment type SRR 2-A is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: http://continental.automotive-approvals.com/
	Frequency band(s) in which the radio equipment operates: 24.05–24.25 GHz
	Maximum radio-frequency power transmitted in the frequency band(s) in which the radio equipment operates: 100mW (20 dBm) Peak EIRP
DECLARATION UE DE CONFORMITE SIMPLIFIEE	Le soussigné, ADC Automotive Distance Control Systems GmbH, déclare que l'équipement radioélectrique du type SRR 2-A est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: http://continental.automotive-approvals.com/
	Bandes de fréquences utilisées par l'équipement radioélectrique: 24.05–24.25 GHz
	Puissance de radiofréquence maximale transmise sur les bandes de fréquences utilisées par l'équipement radioélectrique: 100mW (20 dBm) Peak EIRP
POJEDNOSTAVLJE NA EU IZJAVA O SUKLADNOSTI	ADC Automotive Distance Control Systems GmbH ovime izjavljuje da je radijska oprema tipa SRR 2-A u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: http://continental.automotive-approvals.com/
	Frekvencijski pojas (frekvencijski pojasi) u kojem (kojima) radijska oprema radi: 24.05–24.25 GHz
	Najveća radiofrekvencijska snaga koja se prenosi u frekvencijskom pojasu (frekvencijskim pojasima) u kojem (kojima) radijska oprema radi: 100mW (20 dBm) Peak EIRP
DICHIARAZIONE DI CONFORMITÀ UE SEMPLIFICATA	Il fabbricante, ADC Automotive Distance Control Systems GmbH, dichiara che il tipo di apparecchiatura radio SRR 2-A è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: http://continental.automotive-approvals.com/
	Bande di frequenza di funzionamento dell'apparecchiatura radio: 24.05–24.25 GHz
	Massima potenza a radiofrequenza trasmessa nelle bande di frequenza in cui opera l'apparecchiatura radio: 100mW (20 dBm) Peak EIRP

VIENKĀRŠOTA ES ATBILSTĪBAS DEKLARĀCIJA	Ar šo ADC Automotive Distance Control Systems GmbH deklarē, ka radioiekārta SRR 2-A atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: http://continental.automotive-approvals.com/
	Frekvenču joslu(-as), kurā(-ās) radioiekārtas darbojas: 24.05–24.25 GHz
	Frekvenču joslā(-ās), kurā(-ās) darbojas radioiekārtas, maksimālo pārraidītā signāla jaudu.: 100mW (20 dBm) Peak EIRP
SUPAPRASTINTA ES ATITIKTIES DEKLARACIJA	Aš, ADC Automotive Distance Control Systems GmbH, patvirtinu, kad radijo įrenginių tipas SRR 2-A atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: http://continental.automotive-approvals.com/
	Dažnių juosta (-os), kurioje (-iose) veikia radijo įrenginiai: 24.05–24.25 GHz
	Didžiausia radijo dažnių galia, perduodama toje (tose) dažnių juostoje (-ose), kurioje (-iose) veikia radijo įrenginiai: 100mW (20 dBm) Peak EIRP
EGYSZERŰSÍTETT EU MEGFELELŐSÉGI NYILATKOZAT	ADC Automotive Distance Control Systems GmbH igazolja, hogy a SRR 2-A típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: http://continental.automotive-approvals.com/
	Az(ok) a frekvenciasáv(ok), amely(ek)en a rádióberendezés működik: 24.05–24.25 GHz
	Az abban a frekvenciasávban vagy azokban a frekvenciasávokban továbbított maximális jelerősség, amely(ek)ben a rádióberendezés üzemel: 100mW (20 dBm) Peak EIRP
DIKJARAZZJONI SSIMPLIFIKATA TA' KONFORMITÀ TALUE	B'dan, ADC Automotive Distance Control Systems GmbH, niddikjara li dan it-tip ta' tagħmir tar-radju SRR 2-A huwa konformi mad-Direttiva 2014/53/UE. It-test kollu taddikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: http://continental.automotive-approvals.com/
	Il-medda/meded tal-frekwenza li jaħdem fihom it-tagħmir tar-radju: 24.05–24.25 GHz
	Il-potenza massima tal-frekwenza tar-radju trażmessa fil-medda/meded talfrekwenza li jaħdem fihom it-tagħmir tar- radju: 100mW (20 dBm) Peak EIRP
VEREENVOUDIGDE EUCONFORMITEITSV ERKLARING	Hierbij verklaar ik, ADC Automotive Distance Control Systems GmbH, dat het type radioapparatuur SRR 2-A conform is met Richtlijn 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: http://continental.automotive-approvals.com/
	Frequentieband(en) waarin de radioapparatuur functioneert: 24.05–24.25 GHz
	Maximaal radiofrequent vermogen uitgezonden in de frequentieband(en) waarin de radioapparatuur functioneert: 100mW (20 dBm) Peak EIRP
UPROSZCZONA DEKLARACJA ZGODNOŚCI UE	ADC Automotive Distance Control Systems GmbH niniejszym oświadcza, że typ urządzenia radiowego SRR 2-A jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: http://continental.automotive-approvals.com/
	Zakresu(-ów) częstotliwości, w którym (których) pracuje urządzenie radiowe: 24.05–24.25 GHz
	Maksymalnej mocy częstotliwości radiowej emitowanej w zakresie(-ach) częstotliwości, w którym (których) pracuje urządzenie radiowe: 100mW (20 dBm) Peak EIRP

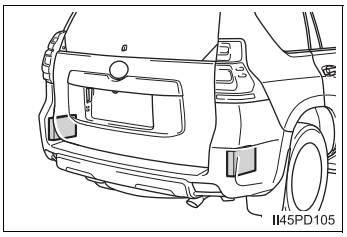
DECLARAÇÃO UE DE CONFORMIDADE SIMPLIFICADA	O(a) abaixo assinado(a) ADC Automotive Distance Control Systems GmbH declara que o presente tipo de equipamento de rádio SRR 2-A está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: http://continental.automotive-approvals.com/
	A(s) banda(s) de frequências em que o equipamento de rádio funciona: 24.05–24.25 GHz
	A potência máxima de radiofrequências transmitida na(s) banda(s) de frequências em que o equipamento de rádio funciona: 100mW (20 dBm) Peak EIRP
DECLARAŢIA UE DE CONFORMITATE SIMPLIFICATĂ	Prin prezenta, ADC Automotive Distance Control Systems GmbH declară că tipul de echipamente radio SRR 2-A este în conformitate cu Directiva 2014/53/UE. Textul integral al declaraţiei UE de conformitate este disponibil la următoarea adresă internet: http://continental.automotive-approvals.com/
	Banda (benzile) de frecvenţe în care funcţionează echipamentul radio: 24.05–24.25 GHz
	Puterea maximă de radiofrecvenţă transmisă în banda (benzile) de frecvenţe în care funcţionează echipamentul radio: 100mW (20 dBm) Peak EIRP
ZJEDNODUŠENÉ EÚ VYHLÁSENIE O ZHODE	ADC Automotive Distance Control Systems GmbH týmto vyhlasuje, že rádiové zariadenie typu SRR 2-A je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: http://continental.automotive-approvals.com/
	Frekvenčné pásmo resp. pásma, v ktorých rádiové zariadenie pracuje: 24.05–24.25 GHz
	Maximálny vysokofrekvenčný výkon prenášaný vo frekvenčnom pásme, resp. pásmach, v ktorých rádiové zariadenie pracuje: 100mW (20 dBm) Peak EIRP
POENOSTAVLJENA IZJAVA EU O SKLADNOSTI	ADC Automotive Distance Control Systems GmbH potrjuje, da je tip radijske opreme SRR 2-A skladen z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: http://continental.automotive-approvals.com/
	Frekvenčni pas ali pasovi, na katerih deluje radijska oprema: 24.05–24.25 GHz
	Največja energija za radijsko frekvenco, preneseno po frekvenčnem pasu ali pasovih, na katerih radijska oprema deluje: 100mW (20 dBm) Peak EIRP
YKSINKERTAISTET TU EU VAATIMUSTENMUK AISUUSVAKUUTUS	ADC Automotive Distance Control Systems GmbH vakuuttaa, että radiolaitetyyppi SRR 2-A on direktiivin 2014/53/EU mukainen. EUvaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: http://continental.automotive-approvals.com/
	Radiotaajuudet, joilla radiolaite toimii: 24.05–24.25 GHz
	Suurin mahdollinen lähetysteho radiotaajuuksilla, joilla radiolaite toimii: 100mW (20 dBm) Peak EIRP
FÖRENKLAD EUFÖRSÄKRAN OM ÖVERENSSTÄMME LSE	Härmed försäkrar ADC Automotive Distance Control Systems GmbH att denna typ av radioutrustning SRR 2-A överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: http://continental.automotive-approvals.com/
	Det eller de frekvensband där radioutrustningen arbetar: 24.05–24.25 GHz
	Den maximala radiofrekvenseffekt som överförs inom det eller de frekvensband där radioutrustningen arbetar: 100mW (20 dBm) Peak EIRP

WARNING

■ Handling the radar sensor

One Blind Spot Monitor sensor is installed inside the left and right side of the vehicle rear bumper respectively. Observe the following to ensure the Blind Spot Monitor can function correctly.

- Keep the sensor and its surrounding area on the bumper clean at all times.



- Do not subject the sensor or surrounding area on the bumper to a strong impact. If the sensor moves even slightly off position, the system may malfunction and vehicles that enter the detection area may not be detected. If the sensor or surrounding area is subject to a strong impact, always have the area inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- Do not disassemble the sensor.
- Do not attach accessories or stickers to the sensor or surrounding area on the bumper.
- Do not modify the sensor or surrounding area on the bumper.
- Do not paint the rear bumper any color other than an official Toyota color.
- If the sensor needs to be replaced, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

The Blind Spot Monitor function

The Blind Spot Monitor function uses radar sensors to detect vehicles that are traveling in an adjacent lane in the area that is not reflected in the outside rear view mirror (the blind spot), and advises the driver of the vehicles existence via the outside rear view mirror indicator.

The Blind Spot Monitor function detection areas

The areas that vehicles can be detected in are outlined below.

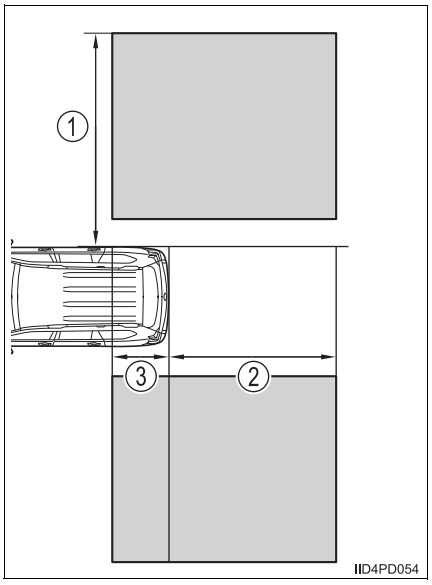
The range of the detection area extends to:

① Approximately 3.5 m (11.5 ft.) from the side of the vehicle

The first 0.5 m (1.6 ft.) from the side of the vehicle is not in the detection area

② Approximately 3 m (9.8 ft.) from the rear bumper

③ Approximately 1 m (3.3 ft.) forward of the rear bumper



WARNING

■ Cautions regarding the use of the system

The driver is solely responsible for safe driving. Always drive safely, taking care to observe your surroundings.

The Blind Spot Monitor function is a supplementary function which alerts the driver that a vehicle is present in the blind spot. Do not overly rely on the Blind Spot Monitor function. The function cannot judge if it is safe to change lanes, therefore over reliance could cause an accident resulting in death or serious injury.

According to conditions, the system may not function correctly. Therefore the driver's own visual confirmation of safety is necessary.

■ **The Blind Spot Monitor function is operational when**

- The Blind Spot Monitor system turned on.
- Vehicle speed is greater than approximately 16 km/h (10 mph).

■ **The Blind Spot Monitor function will detect a vehicle when**

- A vehicle in an adjacent lane overtakes your vehicle.
- Another vehicle enters the detection area when it changes lanes.

■ **Conditions under which the Blind Spot Monitor function will not detect a vehicle**

The Blind Spot Monitor function is not designed to detect the following types of vehicles and/or objects:

- Small motorcycles, bicycles, pedestrians etc.*
- Vehicles traveling in the opposite direction
- Guardrails, walls, signs, parked vehicles and similar stationary objects*
- Following vehicles that are in the same lane*
- Vehicles driving 2 lanes across from your vehicle*

*: Depending on conditions, detection of a vehicle and/or object may occur.

■ **Conditions under which the Blind Spot Monitor function may not function correctly**

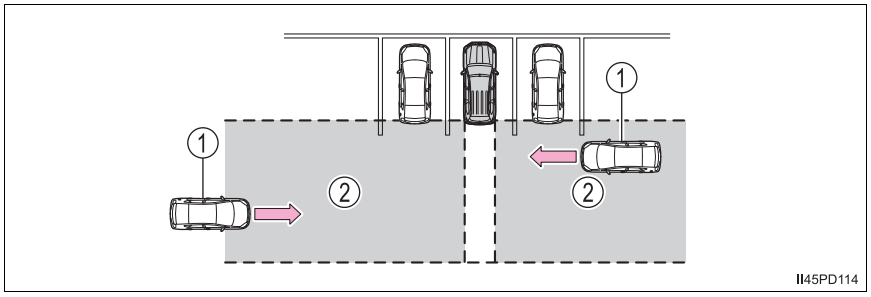
- The Blind Spot Monitor function may not detect vehicles correctly in the following conditions:
  - During bad weather such as heavy rain, fog, snow etc.
  - When ice or mud etc. is attached to the rear bumper
  - When driving on a road surface that is wet due to rain, standing water etc.
  - When there is a significant difference in speed between your vehicle and the vehicle that enters the detection area
  - When a vehicle is in the detection area from a stop and remains in the detection area as your vehicle accelerates
  - When driving up or down consecutive steep inclines, such as hills, a dip in the road etc.
  - When multiple vehicles approach with only a small gap between each vehicle
  - When vehicle lanes are wide, and the vehicle in the next lane is too far away from your vehicle
  - When the vehicle that enters the detection area is traveling at about the same speed as your vehicle
  - When there is a significant difference in height between your vehicle and the vehicle that enters the detection area
  - Directly after the Blind Spot Monitor system turned on
  - When your vehicle is towing a trailer

● Instances of the Blind Spot Monitor function unnecessarily detecting a vehicle and/ or object may increase under the following conditions:

- When there is only a short distance between your vehicle and a guardrail, wall etc.
- When there is only a short distance between your vehicle and a following vehicle
- When vehicle lanes are narrow and a vehicle driving 2 lanes across from your vehicle enters the detection area
- When items such as a bicycle carrier are installed on the rear of the vehicle

The Rear Crossing Traffic Alert function

The Rear Crossing Traffic Alert functions when your vehicle is in reverse. It can detect other vehicles approaching from the right or left rear of the vehicle. It uses radar sensors to alert the driver of the other vehicle's existence through flashing the outside rear view mirror indicators and sounding a buzzer.



① Approaching vehicles ② Detection areas

WARNING

■ Cautions regarding the use of the system

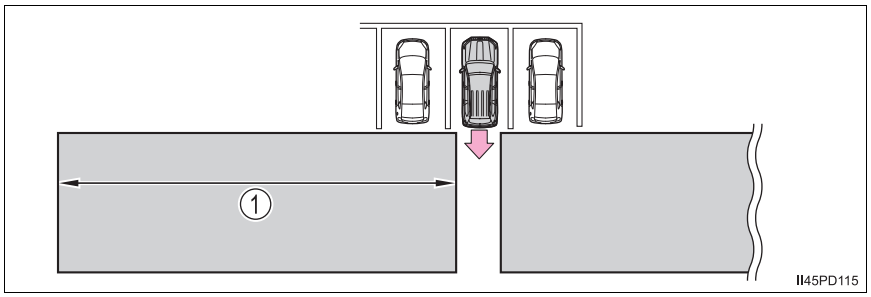
The driver is solely responsible for safe driving. Always drive safely, taking care to observe your surroundings.

The Rear Crossing Traffic Alert function is only an assist and is not a replacement for careful driving. Driver must be careful when backing up, even when using Rear Crossing Traffic Alert function. The driver's own visual confirmation of behind you and your vehicle is necessary and be sure there are no pedestrians, other vehicles etc. before backing up. Failure to do so could cause death or serious injury.

According to conditions, the system may not function correctly. Therefore the driver's own visual confirmation of safety is necessary.

The Rear Crossing Traffic Alert function detection areas

The areas that vehicles can be detected in are outlined below.



To give the driver a more consistent time to react, the buzzer can alert for faster vehicles from farther away.

Example:

Approaching vehicle	Speed	① Approximate alert distance
Fast	28 km/h (18 mph)	20 m (65 ft.)
Slow	8 km/h (5 mph)	5.5 m (18 ft.)

The Rear Crossing Traffic Alert function is operational when

- The Blind Spot Monitor system turned on.
- The shift lever is in R.
- Vehicle speed is less than approximately 8 km/h (5 mph).
- Approaching vehicle speed is between approximately 8 km/h (5 mph) and 28 km/h (18 mph).

■ **Conditions under which the Rear Crossing Traffic Alert function will not detect a vehicle**

The Rear Crossing Traffic Alert function is not designed to detect the following types of vehicles and/or objects.

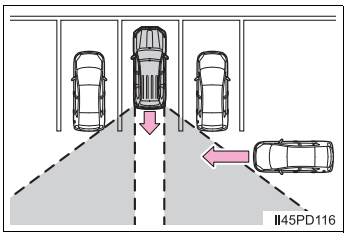
- Small motorcycles, bicycles, pedestrians etc.*
- Vehicles approaching from directly behind
- Guardrails, walls, signs, parked vehicles and similar stationary objects*
- Vehicles moving away from your vehicle
- Vehicles approaching from the parking spaces next to your vehicle*
- Vehicles backing up in the parking space next to your vehicle*

*: Depending on conditions, detection of a vehicle and/or object may occur.

■ **Conditions under which the Rear Crossing Traffic Alert function may not function correctly**

The Rear Crossing Traffic Alert function may not detect vehicles correctly in the following conditions:

- During bad weather such as heavy rain, fog, snow etc.
- When ice or mud etc. is attached to the rear bumper
- When multiple vehicles approach continuously
- Shallow angle parking
- When a vehicle is approaching at high speed
- When parking on a steep incline, such as hills, a dip in the road etc.
- Directly after the Blind Spot Monitor system turned on
- When your vehicle is towing a trailer
- When items such as a bicycle carrier are installed on the rear of the vehicle
- Directly after the engine is started with the Blind Spot Monitor system on
- When the sensors cannot detect vehicles because of obstacles



Winter driving tips

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

Pre-winter preparations

- Use fluids that are appropriate to the prevailing outside temperatures.
  - Engine oil
  - Engine coolant/intercooler coolant (if equipped)
  - Washer fluid
- Have a service technician inspect the condition of the battery.
- Have the vehicle fitted with four snow tires or purchase a set of tire chains for the rear tires.

  Ensure that all tires are the same size and brand, and that chains match the size of the tires.

Before driving the vehicle

Perform the following according to the driving conditions:

- Do not try to forcibly open a window or move a wiper that is frozen. Pour warm water over the frozen area to melt the ice. Wipe away the water immediately to prevent it from freezing.
- To ensure proper operation of the climate control system fan, remove any snow that has accumulated on the air inlet vents in front of the windshield.
- Check for and remove any excess ice or snow that may have accumulated on the exterior lights, vehicle's roof, chassis, around the tires or on the brakes.
- Remove any snow or mud from the bottom of your shoes before getting in the vehicle.

When driving the vehicle

Accelerate the vehicle slowly, keep a safe distance between you and the vehicle ahead, and drive at a reduced speed suitable to road conditions.

When parking the vehicle (in the winter time or in the cold latitudes)

- Park the vehicle and move the shift lever to P (automatic transmission) or 1 or R (manual transmission) without setting the parking brake. The parking brake may freeze up, preventing it from being released. If the vehicle is parked without setting the parking brake, make sure to block the wheels.

  Failure to do so may be dangerous because it may cause the vehicle to move unexpectedly, possibly leading to an accident.
- For vehicles with an automatic transmission: If the vehicle is parked without setting the parking brake, confirm that the shift lever cannot be moved out of P*.

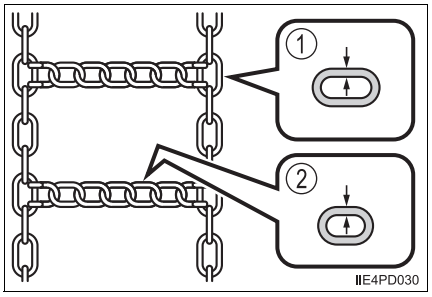
*: The shift lever will be locked if it is attempted to be shifted from P to any other position without depressing the brake pedal. If the shift lever can be shifted from P, there may be a problem with the shift lock system. Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.

Selecting tire chains

Use the correct tire chain size when mounting the snow chains.
Chain size is regulated for each tire size.

① Side chain
(5 mm [0.20 in.] in diameter)

② Cross chain
(6.3 mm [0.25 in.] in diameter)



Regulations on the use of tire chains

Regulations regarding the use of tire chains vary depending on location and type of road. Always check local regulations before installing chains.

Tire chain installation

Observe the following precautions when installing and removing chains:

- Install and remove tire chains in a safe location.
- Install tire chains on the rear tires only. Do not install tire chains on the front tires.
- Install tire chains on rear tires as tightly as possible. Retighten chains after driving 0.5 - 1.0 km (1/4 - 1/2 mile).
- Install tire chains following the instructions provided with the tire chains.

WARNING

Driving with snow tires

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

- Use tires of the specified size.
- Maintain the recommended level of air pressure.
- Do not drive at speeds in excess of the speed limit or the speed limit specified for the snow tires being used.
- Use snow tires on all, not just some wheels.

Driving with tire chains

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

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

NOTICE

■ **Repairing or replacing snow tires (vehicles with the tire pressure warning system)**

Request repairs or replacement of snow tires from any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer 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 (vehicles with the tire pressure warning system)**

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

Audio system 5

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*: Bluetooth is a registered trademark of Bluetooth SIG, Inc.

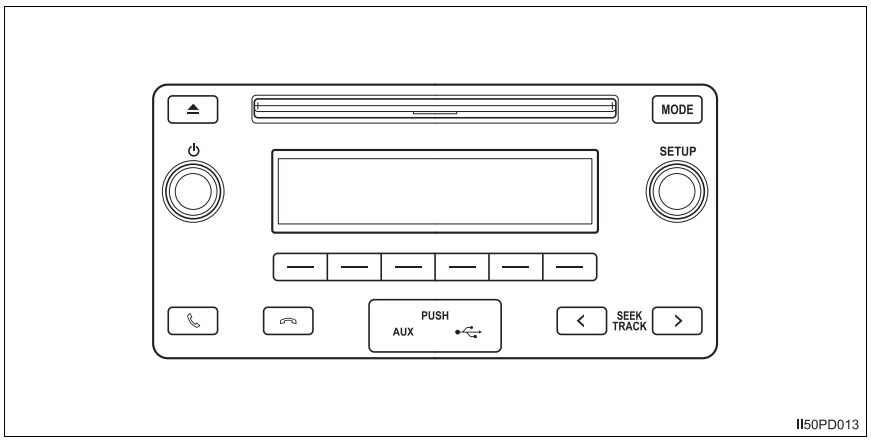
Audio system types*

▶ Vehicles with a navigation system or a multimedia system

Refer to the “Navigation and multimedia system Owner’s manual”.

▶ Vehicles without a navigation system or a multimedia system

CD player with AM/FM radio



This illustration is for left-hand drive vehicles. Some button positions are reversed for right-hand drive vehicles.

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.

NOTICE

To prevent battery discharge

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

To avoid damaging the audio system

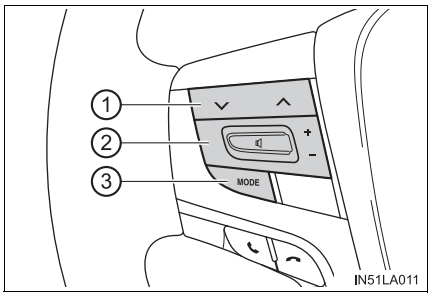
Take care not to spill drinks or other fluids over the audio system.

*: If equipped

Steering wheel audio switches*

Some audio features can be controlled using the switches on the steering wheel.
Operation may differ depending on the type of audio system or navigation system. For details, refer to the manual provided with the audio system or navigation system.

Operating the audio system using the steering wheel switches



① Radio mode:
- Press: Select a radio station
- Press and hold: Seek up/down

CD, MP3/WMA disc, Bluetooth®, iPod or USB mode:
- Press: Select a track/file/song
- Press and hold: Select a folder or album (MP3/WMA disc, Bluetooth® or USB)

② Volume switch
- Increases/decreases volume
- Press and hold: Continuously increases/decreases volume

③ “MODE” switch
- Turns the power on, selects audio source
- Press and hold this switch to mute or pause the current operation. To cancel the mute or pause, press and hold the switch again.

WARNING

■ To reduce the risk of an accident
Exercise care when operating the audio switches on the steering wheel.

*: If equipped

AUX port/USB port

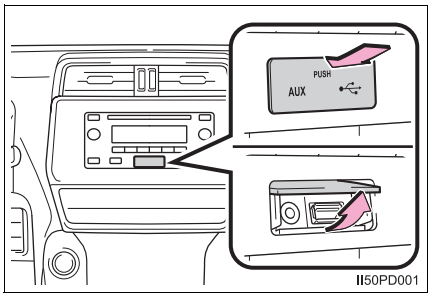
Connect an iPod, USB memory device or portable audio player to the AUX port/USB port as indicated below. Press the “MODE” button to select “iPod”, “USB” or “AUX”.

Connecting using the AUX port/USB port

■ iPod

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

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



■ USB memory

Open the cover and connect the USB memory device.

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

■ Portable audio player

Open the cover and connect the portable audio player.

Turn on the power of the portable audio player if it is not turned on.

⚠ WARNING

■ While driving

Do not connect a device or operate the device controls.

Optimal use of the audio system

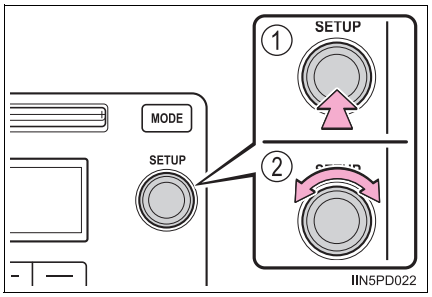
The sound quality, volume balance and ASL settings can be adjusted.

① Displays the “SETUP” menu/ Selecting the mode

② Changes the following settings

- Sound quality and volume balance
  →P. 470

  The sound quality and balance setting can be changed to produce the best sound.
- Automatic Sound Levelizer
  →P. 470



Using the audio control function

■ Changing sound quality modes

1 Press the tune/scroll knob.

2 Turn the knob to select “Sound Setting”.

3 Press the knob.

4 Turn the knob as corresponds to the desired mode.

“BASS”, “TREBLE”, “FADER”, “BALANCE”, or “ASL” can be selected.

5 Press the knob.

■ Adjusting sound quality

Turning the tune/scroll knob adjusts the level.

Sound quality mode	Mode displayed	Level	Turn to the left	Turn to the right
Bass*	“BASS”	-5 to 5	Low	High
Treble*	“TREBLE”	-5 to 5		
Front/rear volume balance	“FADER”	F7 to R7	Shifts to rear	Shifts to front
Left/right volume balance	“BALANCE”	L7 to R7	Shifts to left	Shifts to right

*: The sound quality level is adjusted individually in each audio mode.

Press the knob or [—] (BACK) to return to the sound setting menu.

■ Adjusting the Automatic Sound Levelizer (ASL)

When ASL is selected, turn the tune/scroll knob to change the amount of ASL.

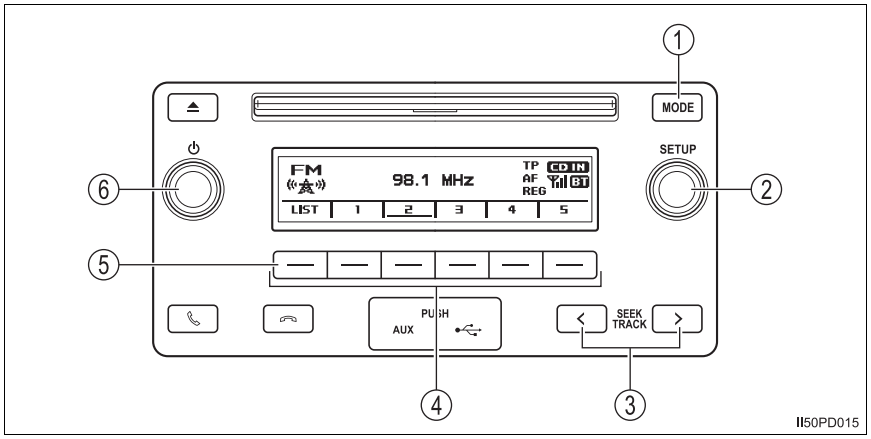
“LOW”, “MID”, “HIGH”, or “OFF” can be selected.

ASL automatically adjusts the volume and tone quality according to vehicle speed.

Press the knob or [—] (BACK) to return to the sound setting menu.

Radio operation

Press the “MODE” button until “AM” or “FM” is displayed.



① AM/FM mode button

② Tune/scroll knob
Press: AF/region code/TA mode setup
Turn: Adjusting the frequency

③ Seeking the frequency

④ Station selectors

⑤ Displaying the station list (FM mode only)

⑥ Power/volume knob
Press: Turning the audio system on or off
Turn: Adjusting the volume

Setting station presets

1 Search for the desired stations by turning the tune/scroll knob or pressing the “<” or “>” button of “SEEK TRACK”.

2 Press and hold a desired station selector button until you hear a beep.

Using the station list

■ Updating the station list

1 Press — (LIST).

The station list will be displayed.

2 Press — (UPDATE) to update the list.

"Updating" is displayed while the searching is in process, and then available stations will be listed on the display.

To cancel the updating process, press — (BACK).

■ Selecting a station from the station list

1 Press — (LIST).

The station list will be displayed.

2 Turn the tune/scroll knob to select a station.

3 Press the knob to tune in the station.

To return to the previous display, press — (BACK).

RDS (Radio Data System)

This feature allows your radio to receive station.

■ Listening to stations of the same network

1 Press the tune/scroll knob.

2 Turn the knob to "RADIO" and press the knob.

3 Turn the knob as corresponds to the desired mode: "FM AF" or "Region code".

4 Press the knob to select "ON" or "OFF".

FM AF ON mode:
The station among those of the same network with strong reception is selected.

Region code ON mode:
The station among those of the same network with strong reception and broadcasting the same program is selected.

■ **Traffic information**

1 Press the tune/scroll knob.

2 Turn the knob to “RADIO” and press the knob.

3 Turn the knob to “FM TA” mode.

4 Press the knob to select “ON” or “OFF”.

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

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

TA mode:
The system automatically switches to traffic information when a broadcast with a traffic information signal is received. In FM modes, the system will be mute unless traffic information is being broadcast.

The audio system returns to the previous mode when the traffic information ends.

■ **EON (Enhanced Other Network) system (for traffic announcement function)**

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

■ **When the battery is disconnected**

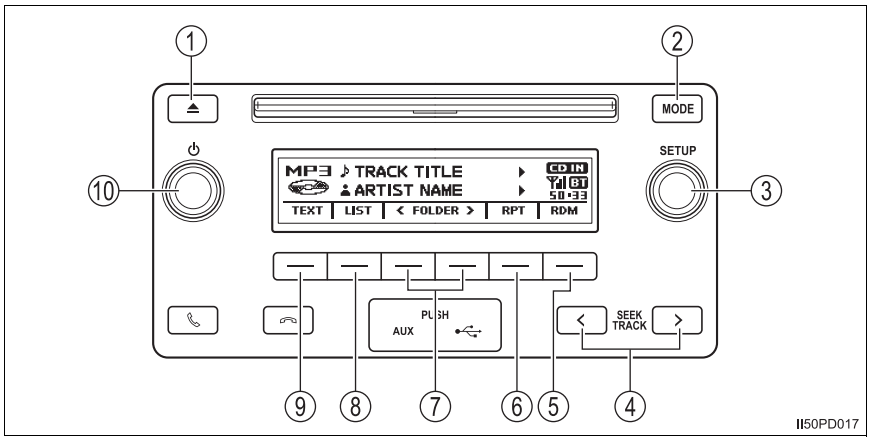
Stations presets are erased.

■ **Reception sensitivity**

- Maintaining perfect radio reception at all times is difficult due to the continually changing position of the antenna, differences in signal strength and surrounding objects, such as trains, transmitters, etc.
- The radio antenna is mounted inside the rear quarter window. To maintain clear radio reception, do not attach metallic window tinting or other metallic objects to the antenna wire mounted inside the rear quarter window.

CD player operation

Insert a disc, press the “MODE” button to begin listening to a CD.



① Disc eject

② Changing the audio source/ playback

③ Tune/scroll knob
Selecting a track/file

④ Selecting a track/file, fast-forwarding or rewinding

⑤ Random play or back button

⑥ Repeat play

⑦ Selecting a folder (MP3/WMA discs only)

⑧ Displaying track/folder list

⑨ Displaying text message

⑩ Power/volume knob
Press: Turning the audio system on or off
Turn: Adjusting the volume

Loading CDs or MP3 and WMA discs

Insert a disc.

Ejecting CDs or MP3 and WMA discs

Press ⏏ and remove the disc.

Using the CD player

■ Selecting a track

Turn the tune/scroll knob or press the “<” or “>” button of “SEEK TRACK” to move up or down until the desired track number is displayed.

■ Selecting a track from a track list

1 Press [—] (LIST).

The track list will be displayed.

2 Turn and press the tune/scroll knob to select a track.

To return to the previous display, press [—] (BACK).

■ Fast-forwarding and rewinding tracks

Press and hold the “<” or “>” button of “SEEK TRACK”.

■ Random play

Press [—] (RDM).

To cancel, press the button again.

■ Repeat play

Press [—] (RPT).

To cancel, press the button again.

■ Switching the display

Press [—] (TEXT) to display or hide the CD title.

If there are continuing texts, ▶ is displayed.
Press and hold the button to display the remaining texts.

Playing back MP3 and WMA discs

■ Selecting folders one at a time

Press [—] (<FOLDER) or [—] (FOLDER>) to select the desired folder.

■ Selecting a folder and file from folder list

1 Press [—] (LIST).

The folder list will be displayed.

2 Turn and press the tune/scroll knob to select a folder and a file.

To return to the previous display, press [—] (BACK).

■ Returning to the first folder

Press and hold [—] (<FOLDER) until you hear a beep.

■ Selecting a file

Turn the tune/scroll knob or press the “<” or “>” button of “SEEK TRACK” to select the desired file.

■ Fast-forwarding and rewinding files

Press and hold the “<” or “>” button of “SEEK TRACK”.

■ Random play

Pressing [—] (RDM) changes modes in the following order:
Folder random→Disc random→Off

■ Repeat play

Pressing [—] (RPT) changes modes in the following order:
File repeat→Folder repeat*→Off

*: Available except when RDM (random play) is selected

■ Switching the display

Press [—] (TEXT) to display or hide the album title.

If there are continuing texts, ▶ is displayed.
Press and hold the button to display the remaining texts.

■ **Display**

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

■ **Error messages**

If an error message is displayed, refer to the following table and take the appropriate measures. If the problem is not rectified, take the vehicle to any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

Message	Cause	Correction procedures
“CD CHECK”	• The disc is dirty or damaged. • The disc is inserted upside down.	• Clean the disc. • Insert the disc correctly.
“ERROR”	There is a malfunction within the system.	Eject the disc.
“WAIT”	Operation has stopped due to a high temperature inside the player.	Wait for a while and then press the “MODE” button. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer if the CD still cannot be played.
“NO SUPPORT”	MP3/WMA files are not included in the CD.	Eject the disc.

■ **Discs that can be used**

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



CDs with copy-protect features may not play correctly.

■ **CD player protection feature**

To protect the internal components, playback is automatically stopped when a problem is detected while the CD player is being used.

■ **If a CD is left inside the CD player or in the ejected position for extended periods**

The CD may be damaged and may not play properly.

■ **Lens cleaners**

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

■ **MP3 and WMA files**

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

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

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

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

There is a limit to the MP3 and WMA file standards and to the media/formats recorded by them that can be used.

● MP3 file compatibility

- Compatible standards
  MP3 (MPEG1 LAYER3, MPEG2 LSF LAYER3)
- Compatible sampling frequencies
  MPEG1 LAYER3: 32, 44.1, 48 (kHz)
  MPEG2 LSF LAYER3: 16, 22.05, 24 (kHz)
- Compatible bit rates (compatible with VBR)
  MPEG1 LAYER3: 32—320 (kbps)
  MPEG2 LSF LAYER3: 8—160 (kbps)
- Compatible channel modes: stereo, joint stereo, dual channel and monaural

● WMA file compatibility

- Compatible standards
  WMA Ver. 7, 8, 9
- Compatible sampling frequencies
  32, 44.1, 48 (kHz)
- Compatible bit rates (only compatible with 2-channel playback)
  Ver. 7, 8: CBR 48—192 (kbps)
  Ver. 9: CBR 48—320 (kbps)

● Compatible media

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

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

● Compatible disc formats

The following disc formats can be used.

- Disc formats: CD-ROM Mode 1 and Mode 2
  CD-ROM XA Mode 2, Form 1 and Form 2
- File formats:ISO9660 Level 1, Level 2, (Romeo, Joliet)
  MP3 and WMA files written in any format other than those listed above may not play correctly, and their file names and folder names may not be displayed correctly.

Items related to standards and limitations are as follows.

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

● File names

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

● Multi-sessions

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

● ID3 and WMA tags

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

The system is compatible with ID3 Ver. 1.0, 1.1, and Ver. 2.2, 2.3, 2.4 ID3 tags. (The number of characters is based on ID3 Ver. 1.0 and 1.1.)

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

● MP3 and WMA playback

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

If the discs contain a mixture of music data and MP3 or WMA format data, only music data can be played.

● Extensions

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

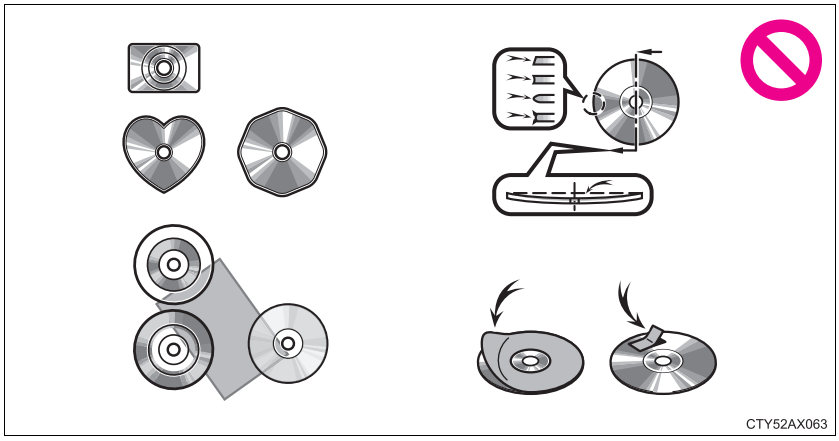
● Playback

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

NOTICE

Discs and adapters that cannot be used

Do not use the following types of discs.
Also, do not use 8 cm (3 in.) disc adapters, DualDiscs or printable discs.
Doing so may damage the player and/or the disc insert/eject function.



- Discs that have a diameter that is not 12 cm (4.7 in.).
- Low-quality or deformed discs.
- Discs with a transparent or translucent recording area.
- Discs that have tape, stickers or CD-R labels attached to them, or that have had the label peeled off.

Player precautions

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

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

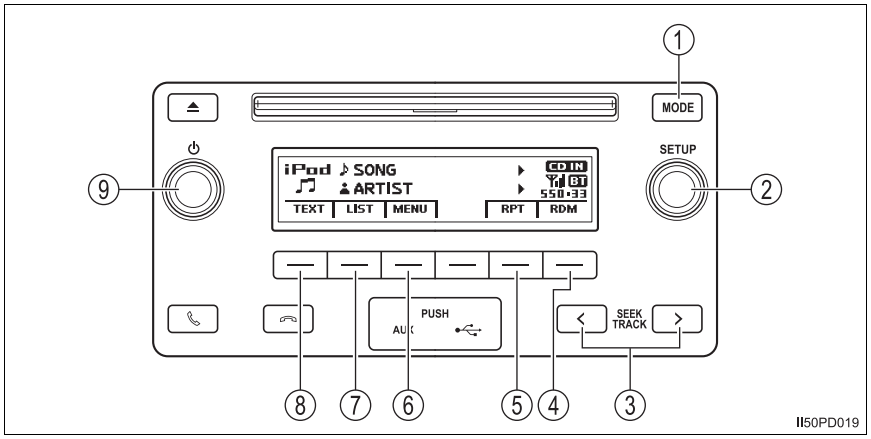
Listening to an iPod

Connecting an iPod enables you to enjoy music from the vehicle speakers. Press the “MODE” button until “iPod” is displayed.

Connecting an iPod

→P. 468

Control panel



① Changing the audio source/ playback

② Tune/scroll knob
Selecting an iPod menu/song

③ Selecting a song, fast-forwarding or rewinding

④ Random play or back button

⑤ Repeat play

⑥ iPod menu mode, playback

⑦ Displaying song list

⑧ Displaying text message

⑨ Power/volume knob
Press: Turning the audio system on or off
Turn: Adjusting the volume

Selecting a play mode

1 Press [—] (MENU) to select iPod menu mode.

2 Turning the tune/scroll knob clockwise changes the play mode in the following order:

"Playlists" → "Artists" → "Albums" → "Songs" → "Podcasts" → "Genres" → "Composers" → "Audiobooks"

3 Press the knob to select the desired play mode.

■ Play mode list

Play mode	First selection	Second selection	Third selection	Fourth selection
"Playlists"	Playlists select	Songs select	-	-
"Artists"	Artists select	Albums select	Songs select	-
"Albums"	Albums select	Songs select	-	-
"Songs"	Songs select	-	-	-
"Podcasts"	Podcasts select	Episodes select	-	-
"Genres"	Genre select	Artists select	Albums select	Songs select
"Composers"	Composers select	Albums select	Songs select	-
"Audiobooks"	Audiobooks select	Chapter select	-	-

■ Selecting a list

1 Turn the tune/scroll knob to display the first selection list.

2 Press the knob to select the desired item and display the second selection list.

3 Repeat the same procedure to select the desired item.

To return to the previous selection list, press [—] (BACK).

Press [—] (PLAY) to play the desired selection.

Selecting songs

Turn the tune/scroll knob or press the “<” or “>” button of “SEEK TRACK” to select the desired song.

Selecting a song from the song list

1 Press — (LIST).

The song list will be displayed.

2 Turn the tune/scroll knob to select a song.

3 Press the knob to play the song.

To return to the previous display, press — (BACK).

Fast-forwarding and rewinding songs

Press and hold the “<” or “>” button of “SEEK TRACK”.

Repeat play

Press — (RPT).

To cancel, press the button again.

Random play

Pressing — (RDM) changes modes in the following order:
Track random→Album random→Off

Switching the display

Press — (TEXT) display or hide the album title.

If there are continuing texts, ▶ is displayed.
Press and hold the button to display the remaining texts.

■ **About iPod**



- "Made for iPod" and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod, or iPhone, respectively, and has been certified by the developer to meet Apple performance standards.
- Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod or iPhone may affect wireless performance.
- iPhone, iPod, iPod classic, iPod nano, iPod shuffle, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.

■ **iPod functions**

- When an iPod is connected and the audio source is changed to iPod mode, the iPod will resume play from the same point in which it was last used.
- Depending on the iPod that is connected to the system, certain functions may not be available. Disconnecting the device and reconnecting it once again may resolve some malfunctions.
- While connected to the system, the iPod cannot be operated with its own controls. It is necessary to use the controls of the vehicle's audio system instead.

■ **iPod problems**

To resolve most problems encountered when using your iPod, disconnect your iPod from the vehicle iPod connection and reset it.
For instructions on how to reset your iPod, refer to your iPod Owner's Manual.

■ **Display**

→P. 478

■ **Error messages**

If an error message is displayed, refer to the following table and take the appropriate measures. If the problem is not rectified, take the vehicle to any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

Message	Cause/Correction procedures
“ERROR”	This indicates a problem in the iPod or its connection.
“NO SONGS”	This indicates that there is no music data in the iPod.
“NO PLAYLIST”	This indicates that some available songs are not found in a selected playlist.
“UPDATE YOUR iPod”	This indicates that the version of the iPod is not compatible. Upgrade your iPod software to the latest version.

■ **Compatible models**

The following iPod®, iPod nano®, iPod classic®, iPod touch® and iPhone® devices can be used with this system.

● Made for

- iPod touch (5th generation)
- iPod touch (4th generation)
- iPod touch (3rd generation)
- iPod touch (2nd generation)
- iPod touch (1st generation)
- iPod classic
- iPod with video
- iPod nano (7th generation)
- iPod nano (6th generation)
- iPod nano (5th generation)
- iPod nano (4th generation)
- iPod nano (3rd generation)
- iPod nano (2nd generation)
- iPod nano (1st generation)
- iPhone 5
- iPhone 4S
- iPhone 4
- iPhone 3GS
- iPhone 3G
- iPhone

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

Items related to standards and limitations are as follows:

● Maximum number of lists in device: 9999

● Maximum number of songs in device: 65535

● Maximum number of songs per list: 65535

WARNING

■ **While driving**

Do not connect iPod or operate the controls. Doing so may cause an accident, resulting in death or serious injury.

NOTICE

■ **To prevent damage to iPod or its terminal**

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

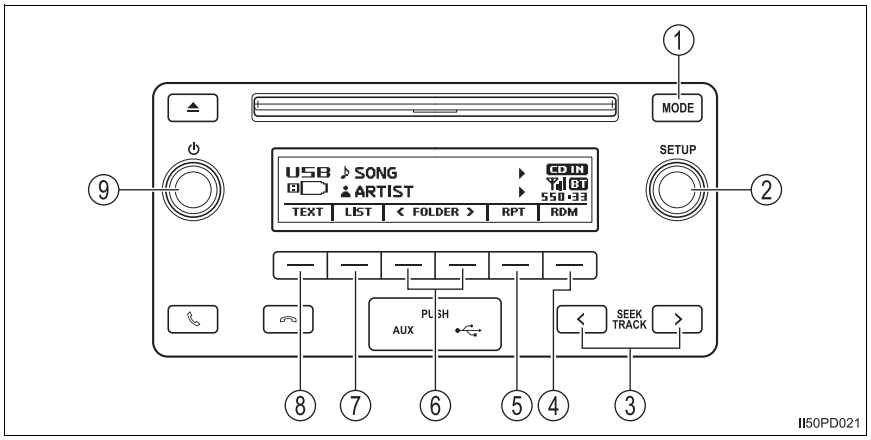
Listening USB memory device

Connecting a USB memory enables you to enjoy music from the vehicle speakers. Press the “MODE” button until “USB” is displayed.

Connecting a USB memory

→P. 468

Control panel



① Changing the audio source/ playback

② Tune/scroll knob
Selecting a file

③ Selecting a song, fast-forwarding or rewinding

④ Random play or back button

⑤ Repeat play

⑥ Selecting a folder

⑦ Displaying folder list

⑧ Displaying text message

⑨ Power/volume knob
Press: Turning the audio system on or off
Turn: Adjusting the volume

Selecting a folder

■ Selecting folders one at a time

Press [—] (<FOLDER) or [—] (FOLDER>) to select the desired folder.

■ Selecting a folder and file from folder list

1 Press [—] (LIST).

The folder list will be displayed.

2 Turn and press the tune/scroll knob to select a folder and file.

To return to the previous display, press [—] (BACK).

■ Returning to the first folder

Press and hold [—] (<FOLDER) until you hear a beep.

Selecting a file

Turn the tune/scroll knob or press the “<” or “>” button of “SEEK TRACK” to select the desired file.

Fast-forwarding and rewinding files

Press and hold the “<” or “>” button of “SEEK TRACK”.

Random play

Pressing [—] (RDM) changes modes in the following order:
Folder random→All folder random→Off

Repeat play

Pressing [—] (RPT) changes modes in the following order:
File repeat→Folder repeat*→Off

*: Available except when RDM (random play) is selected

Switching the display

Press [—] (TEXT) to display or hide the album title.

If there are continuing texts, ▶ is displayed.
Press and hold the button to display the remaining texts.

■ **USB memory functions**

- Depending on the USB memory that is connected to the system, the device itself may not be operable and certain functions may not be available. If the device is inoperable or a function is unavailable due to a malfunction (as opposed to a system specification), disconnecting the device and reconnecting it once again may resolve the problem.
- If the USB memory still does not begin operation after being disconnected and reconnected, format the memory.

■ **Display**

→P. 478

■ **Error messages**

If an error message is displayed, refer to the following table and take the appropriate measures. If the problem is not rectified, take the vehicle to any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

Message	Cause/Correction procedures
“ERROR”	This indicates a problem in the USB memory or its connection.
“NO MUSIC”	This indicates that no MP3/WMA files are included in the USB memory.

■ **USB memory**

- Compatible devices

  USB memory that can be used for MP3 and WMA playback

- Compatible device formats

  The following device formats can be used:

  • USB communication formats: USB2.0 FS (12mbps)
  • File formats: FAT12/16/32 (Windows)
  • Correspondence class: Mass storage class

  MP3 and WMA files written in any format other than those listed above may not play correctly, and their file names and folder names may not be displayed correctly.

  Items related to standards and limitations are as follows:

  • Maximum directory hierarchy: 8 levels
  • Maximum number of folders in a device: 999 (including the root)
  • Maximum number of files in a device: 9999
  • Maximum number of files per folder: 255

● MP3 and WMA files

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

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

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

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

There is a limit to the MP3 and WMA file standards and to the media/formats recorded by them that can be used.

● MP3 file compatibility

- Compatible standards
  MP3 (MPEG1 LAYER3, MPEG2 LSF LAYER3)
- Compatible sampling frequencies
  MPEG1 LAYER3: 32, 44.1, 48 (kHz)
  MPEG2 LSF LAYER3: 16, 22.05, 24 (kHz)
- Compatible bit rates (compatible with VBR)
  MPEG1 LAYER3: 32—320 (kbps)
  MPEG2 LSF LAYER3: 8—160 (kbps)
- Compatible channel modes: stereo, joint stereo, dual channel and monaural

● WMA file compatibility

- Compatible standards
  WMA Ver. 7, 8, 9
- Compatible sampling frequencies
  32, 44.1, 48 (kHz)
- Compatible bit rates (only compatible with 2-channel playback)
  Ver. 7, 8: CBR 48—192 (kbps)
  Ver. 9: CBR 48—320 (kbps)

● File names

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

● ID3 and WMA tags

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

The system is compatible with ID3 Ver. 1.0, 1.1, and Ver. 2.2, 2.3, 2.4 ID3 tags. (The number of characters is based on ID3 Ver. 1.0 and 1.1.)

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

● MP3 and WMA playback

- When a device containing MP3 or WMA files is connected, all files in the USB memory device are checked. Once the file check is finished, the first MP3 or WMA file is played. To make the file check finish more quickly, we recommend that you do not include any files other than MP3 or WMA files or create any unnecessary folders.
- When the USB device is connected and the audio source is changed to USB memory mode, the USB device will start playing the first file in the first folder. If the same device is removed and reinserted (and the contents have not been changed), the USB memory will resume play from the same point in which it was last used.

● Extensions

If the file extensions .mp3 and .wma are used for files other than MP3 and WMA files, they will be skipped (not played).

● Playback

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

WARNING

■ While driving

Do not connect USB memory or operate the controls. Doing so may cause an accident, resulting in death or serious injury.

NOTICE

■ To prevent damage to USB memory or its terminal

- Do not leave USB memory in the vehicle. The temperature inside the vehicle may become high.
- Do not push down on or apply unnecessary pressure to the USB memory while it is connected.
- Do not insert foreign objects into the port.

Using the AUX port

This port can be used to connect a portable audio device and listen to it using the vehicle's speakers. Press the "MODE" button until "AUX" is displayed.

Connecting a portable player

→P. 468

■ **Operating portable audio devices connected to the audio system**

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

■ **When using a portable audio device connected to the power outlet**

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

Bluetooth® audio/phone*

The following can be performed using Bluetooth® wireless communication:

◆ Bluetooth® audio

The Bluetooth® audio system enables you to enjoy music played on a portable digital audio player (portable player) from the vehicle speakers via wireless communication.

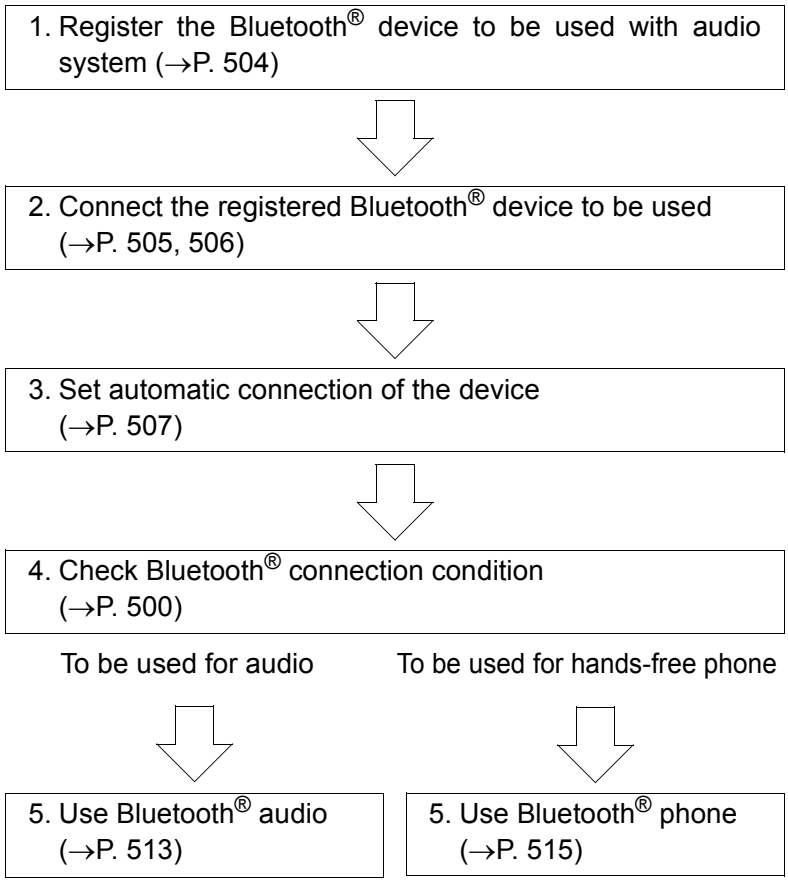
This audio system supports Bluetooth®, a wireless data system capable of playing portable audio music without cables. If your portable player does not support Bluetooth®, the Bluetooth® audio system will not function.

◆ Bluetooth® phone (hands-free phone system)

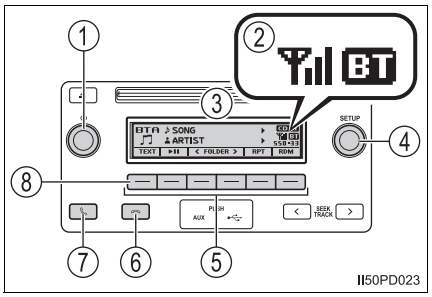
This system supports Bluetooth®, which allows you to make or receive calls without using cables to connect a cellular phone and the system, and without operating the cellular phone.

*: If equipped

Device registration/connection flow



Audio unit



① Power/volume knob
Press: Turning the audio system on or off
Turn: Adjusting the volume

② Bluetooth® connection condition

If “BT” is not displayed, the Bluetooth® audio/phone cannot be used.

③ Display
A message, name, number, etc. is displayed.

Lower-case characters and special characters may not be displayed.

④ Tune/scroll knob
Displays set up menu or selects items such as menu and number

Turn: Selects an item
Press: Displays set up menu or inputs the selected item

⑤ Selects speed dials (Bluetooth® phone operation)

⑥ On-hook switch

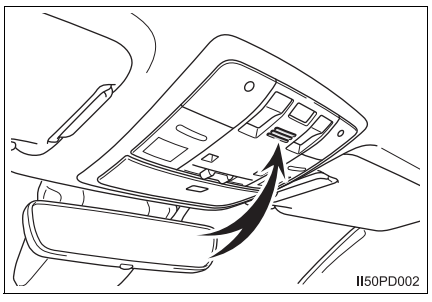
Turns the hands-free system off/ends a call/refuses a call

⑦ Off-hook switch

Turns the hands-free system on/starts a call

⑧ Press and hold: Displays information that is too long to be displayed at one time on the display (Bluetooth® audio operation)

Microphone



Menu list of the Bluetooth® audio/phone

To enter a menu, press the tune/scroll knob and navigate menus by using the knob.

First menu	Second menu	Third menu	Operation details
“Bluetooth*”	“Pairing”	-	Registering a Bluetooth® device
	“List phone”	-	Listing the registered cellular phones
	“List audio”	-	Listing the registered portable players
	“Passkey”	-	Changing the pass-key
	“BT Power”	-	Setting automatic connection of the device on or off
	“Bluetooth* info”	“Device name” “Device address”	Displaying the device status
	“Display setting”	-	Setting the automatic connection confirmation display to on or off
	“Initialize”	-	Initializing the settings

*: Bluetooth is a registered trademark of Bluetooth SIG, Inc.

First menu	Second menu	Third menu	Operation details
“TEL”	“Phonebook”	“Add contacts”	Adding a new number
		“Add SD”	Registering a speed dial
		“Delete call history”	Deleting a number stored in the call history
		“Delete contacts”	Deleting a number stored in the phonebook
		“Delete other PB”	Deleting a phonebook’s data
	“HF sound setting”	“Call volume”	Setting call volume
		“Ringtone volume”	Setting ring tone volume
		“Ringtone”	Setting the ring tone
	“Transfer histories”	-	Transferring the call histories

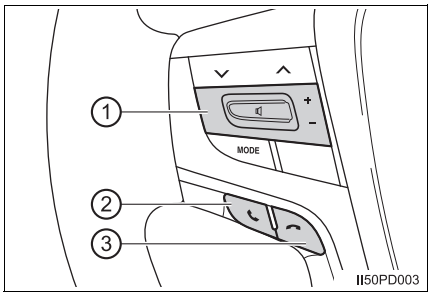
■ **Bluetooth® audio/phone system functions**

Depending on the Bluetooth® device, certain functions may not be available.

Using the steering wheel switches

The steering wheel switches can be used to operate a connected cellular phone, or portable digital audio player (portable player).

Operating Bluetooth® phone using the steering wheel switches



① Volume
The voice guidance volume cannot be adjusted using this button.

② Off-hook switch
Turns the hands-free system on/start a call

③ On-hook switch
Turns the hands-free system off/ends a call/refuse a call

Registering a Bluetooth® device

Before using the Bluetooth® audio/phone, it is necessary to register a Bluetooth® device in the system. You can register up to 5 Bluetooth® devices.

How to register a Bluetooth® device

1 Press the tune/scroll knob and select “Bluetooth*” using the knob.

2 Press the knob and select “Pairing” using the knob.

A passkey will be displayed.

3 SSP (Secure Simple Pairing) incompatible Bluetooth® devices: Input the passkey into the device.
SSP (Secure Simple Pairing) compatible Bluetooth® devices: Select “YES” to register the device. Depending on the type of device, it may register automatically.

If a Bluetooth® device has both music player and cellular phone functions, both functions will be registered at the same time. When deleting the device, both functions will be deleted at the same time.

If the off-hook switch is pressed and the “TEL” mode is entered when no phones have been registered, the registration screen will be automatically displayed.

*: Bluetooth is a registered trademark of Bluetooth SIG, Inc.

Using the “SETUP” menu (“Bluetooth*” menu)

Registering a Bluetooth® device in the system allows the system to function. The following functions can be used for registered devices:

Registering a portable player

Select “Pairing” using the tune/scroll knob (→P. 501), and perform the procedure for registering a portable player. (→P. 504)

Listing the registered cellular phones

Select “List Phone” using the tune/scroll knob. (→P. 501) The list of registered cellular phones will be displayed.

● Connecting the registered cellular phone to the audio system

1. Select the name of the cellular phone to be connected using the tune/scroll knob.
2. Select “Select” using the knob.

● Deleting a registered cellular phone

1. Select the name of the cellular phone to be deleted using the tune/scroll knob.
2. Select “Delete” using the knob.
3. Press [—] (YES).

● Disconnecting the registered cellular phone from the audio system

1. Select the name of the cellular phone to be disconnected using the tune/scroll knob.
2. Select “Disconnect” using the knob.
3. Press [—] (YES).

*: Bluetooth is a registered trademark of Bluetooth SIG, Inc.

Listing the registered portable players

Select “List Audio” using the tune/scroll knob. (→P. 501) The list of registered portable players will be displayed.

● Connecting the registered portable player to the audio system

1 Select the name of the portable player to be connected using the tune/scroll knob.

2 Select “Select” using the knob.

● Deleting the registered portable player

1 Select the name of the portable player to be deleted using the tune/scroll knob.

2 Select “Delete” using the knob.

3 Press [—] (YES).

● Disconnecting the registered portable player from the audio system

1 Select the name of the portable player to be disconnected using the tune/scroll knob.

2 Select “Disconnect” using the knob.

3 Press [—] (YES).

● Selecting the connection method

1 Select the name of the desired portable player using the tune/scroll knob.

2 Select “Connection method” using the knob.

3 Select “From vehicle” or “From audio” using the knob.

Changing the passkey

1 Select “Passkey” using the tune/scroll knob. (→P. 501)

2 Select a 4 to 8-digit passkey using the knob.

Input the number 1 digit at a time.

3 When the entire number to be registered as a passkey has been input, press — (ENTER).

If the passkey to be registered has 8 digits, pressing — (ENTER) is not necessary.

Setting automatic connection of the device on or off

If “BT Power” is set to on, the registered device will be connected automatically when the engine switch is turned to the “ACC” position (vehicles without a smart entry & start system) or ACCESSORY mode (vehicles with a smart entry & start system).

1 Select “BT Power” using the tune/scroll knob. (→P. 501)

2 Select “ON” or “OFF” using the knob.

Displaying the device status

Select “Bluetooth* info” using the tune/scroll knob. (→P. 501)

- Displaying the device name

  Select “Device name” using the tune/scroll knob.

- Displaying the device address

  Select “Device address” using the tune/scroll knob.

*: Bluetooth is a registered trademark of Bluetooth SIG, Inc.

Setting the automatic connection confirmation display to on or off

If the “Display setting” is set to on, the portable player connection status will be displayed when the engine switch is turned to the “ACC” or “ON” position (vehicles without a smart entry & start system) or ACCESSORY or IGNITION ON mode (vehicles with a smart entry & start system).

1 Select “Display setting” using the tune/scroll knob. (→P. 501)

2 Select “ON” or “OFF” using the knob.

Initialization

Select “Initialize” using the tune/scroll knob. (→P. 501)

● Initializing the sound settings

Select “Sound setting” using the tune/scroll knob and press — (YES).

For details about sound settings: →P. 469

● Initializing the device information

Select “Car device info” using the tune/scroll knob and press — (YES).

Automatic connection of a portable device, automatic connection confirmation display and the passkey will be initialized.

● Initializing the all settings

Select “All initialize” using the tune/scroll knob and press — (YES).

Using the “SETUP” menu (“TEL” menu)

Adding a new phone number

Select “Add contacts” using the tune/scroll knob. (→P. 501)

● Transferring all contacts from the cellular phone

Select “Overwrite all” using the tune/scroll knob and press — (YES).

● Transferring one contact from the cellular phone

Select “Add one contact” using the tune/scroll knob and press — (YES).

Setting speed dials

1 Select “Add SD” using the tune/scroll knob. (→P. 501)

2 Select the desired data using the knob.

3 Press the desired preset button (from — [1] to — [5]).

For details about setting speed dials from the call history: →P. 516
For details about deleting speed dials: →P. 515

Deleting call histories

Select “Delete call history” using the tune/scroll knob. (→P. 501)

● Deleting outgoing call history

1 Select “Outgoing Calls” using the tune/scroll knob.

2 Select the desired phone number using the knob and press — (YES).

To delete all outgoing call history data, press — (ALL) and then press — (YES).

● Deleting incoming call history

1 Select “Incoming Calls” using the tune/scroll knob.

2 Select the desired phone number using the knob and press — (YES).

To delete all incoming call history data, press — (ALL) and then press — (YES).

● Deleting missed call history

1 Select “Missed Calls” using the tune/scroll knob.

2 Select the desired phone number using the knob and press — (YES).

To delete all missed call history data, press — (ALL) and then press — (YES).

● Deleting a number from all call histories (Outgoing calls, Incoming calls and Missed calls)

1 Select “All Calls” using the tune/scroll knob.

2 Select the desired phone number using the knob and press — (YES).

To delete all of the call histories data, press — (ALL) and then press — (YES).

Deleting a registered phone number

1 Select “Delete contacts” using the tune/scroll knob. (→P. 501)

2 Select the desired phone number using the knob and press — (YES).

To delete all the registered phone numbers, press — (ALL) and then press — (YES).

Press — (A-Z) to display the registered names in alphabetical order of the initial.

Deleting another cellular phone’s phonebook

1 Select “Delete other PB” using the tune/scroll knob. (→P. 501)

2 Select the desired phonebook using the knob and press — (YES).

Setting call volume

1 Select “Call volume” using the tune/scroll knob. (→P. 501)

2 Change the call volume.

To decrease the volume: Turn the knob counterclockwise.
To increase the volume: Turn the knob clockwise.

To set the volume, press — (BACK).

Setting ring tone volume

1 Select “Ringtone volume” using the tune/scroll knob. (→P. 501)

2 Change the ring tone volume.

To decrease the volume: Turn the knob counterclockwise.

To increase the volume: Turn the knob clockwise.

To set the volume, press [—] (BACK).

Setting ring tone

1 Select “Ringtone” using the tune/scroll knob. (→P. 501)

2 Using the knob, select a ring tone (1 - 3). To set the selected ring tone, press [—] (BACK).

Transferring call histories

Select “Transfer histories” using the tune/scroll knob (→P. 501) and press [—] (YES).

■ Phone number

Up to 1000 names can be stored.

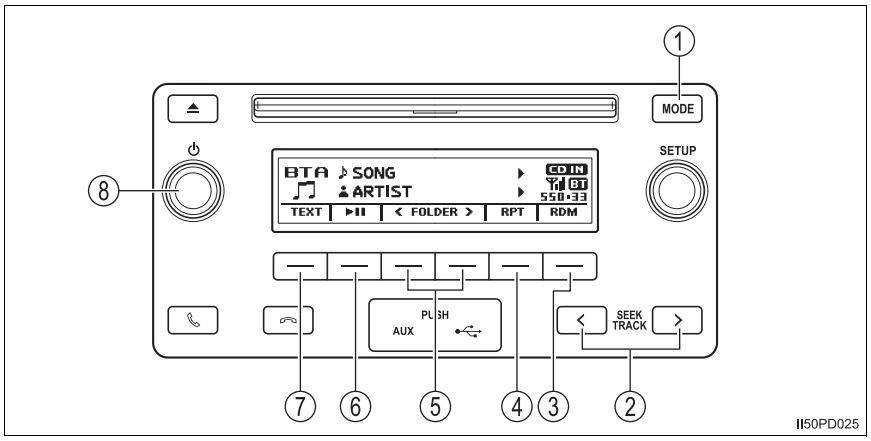
■ Call history

Up to 10 numbers can be stored in each of the outgoing, incoming and missed call history memories.

■ Limitation of number of digits

A phone number that exceeds 24 digits cannot be registered.

Operating a Bluetooth® enabled portable player



① Changing the audio source/ playback

② Selecting a track, fast-forwarding or rewinding

③ Random play or back button

④ Repeat play

⑤ Selecting an album

⑥ Playback/pause

⑦ Displaying text message

⑧ Power/volume knob
Press: Turning the audio system on or off
Turn: Adjusting the volume

Selecting an album

Press [—] (<FOLDER) or [—] (FOLDER>) to select desired album.

Selecting a track

Press the “<” or “>” button of “SEEK TRACK” to select the desired track.

Fast-forwarding and rewinding tracks

Press and hold the “<” or “>” button of “SEEK TRACK”.

Repeat play

Pressing [—] (RPT) changes modes in the following order:
Track repeat→Album repeat→Off

Random play

Pressing [—] (RDM) changes modes in the following order:
Album random→All track random→Off

Playing and pausing tracks

Press [—] (▶II).

Switching the display

Press [—] (TEXT) to display or hide the album title.

If there are continuing texts, ▶ is displayed.

Press and hold the button to display the remaining texts.

■ **Bluetooth® audio system functions**

Depending on the portable player that is connected to the system, certain functions may not be available.

■ **Display**

→P. 478

Making a phone call

To enter the “TEL” mode, press the off-hook switch.

Dialing by selecting a name

1 Select “Phonebook” using the tune/scroll knob.

2 Select the desired name using the knob and press the off-hook switch.

By pressing [—] (Add S. Dial) and one of the speed dial buttons (from [—] [1] to [—] [5]) while the desired name is selected, it can be registered as a speed dial.

Press [—] (A-Z) to display the registered names in alphabetical order of the initial.

Speed dialing

1 Select “Speed dials” using the tune/scroll knob.

2 Press the desired preset button (from [—] [1] to [—] [5]) and press the off-hook switch.

To delete a registered speed dial, after selecting the desired preset button (from [—] [1] to [—] [5]) press [—] (DELETE) and then press [—] (YES).

Dialing by entering the number

1 Select “Dial by number” using the tune/scroll knob.

2 Enter the phone number and press the off-hook switch.

Dialing from call histories

1 Select “All Calls”, “Missed Calls”, “Incoming Calls” or “Outgoing Calls” using the tune/scroll knob.

2 Select a desired number using the knob and press the off-hook switch.

The following operations can be performed:

- Registering a number as a speed dial

  Press [—] (Add S. Dial) and then press the desired preset button (from [—] [1] to [—] [5]).

- Deleting the selected number

  Press [—] (DELETE) and press [—] (YES).

Receiving a phone call

Answering the phone

Press the off-hook switch.

Refusing the call

Press the on-hook switch.

Receiving a call when on another call

Press the off-hook switch.

Pressing the off-hook switch again returns you to the previous call.

Adjusting the ring tone volume when receiving a call

To decrease the volume: Turn the power/volume knob counterclockwise.

To increase the volume: Turn the power/volume knob clockwise.

Speaking on the phone

Transferring a call

A call can be transferred between the cellular phone and system while dialing, receiving a call, or during a call. Use one of the following methods:

a. Operate the cellular phone.

Refer to the manual that comes with the cellular phone for the operation of the phone.

b. Press the [—] (PHONE).*

*: This operation can be performed only when transferring a call from the cellular phone to the system during a call.

Muting your voice

Press [—] (MUTE).

Inputting digits

Press [—] (0-9) and use the tune/scroll knob to input the desired digits.

- To send the input digits press [—] (SEND).
- When finished, press [—] (EXIT) to return to the previous screen.

Setting call volume

To decrease the volume: Turn the power/volume knob counterclockwise.

To increase the volume: Turn the power/volume knob clockwise.

■ **When talking on the phone**

- Do not talk simultaneously with the other party.
- Keep the volume of the received voice down. Otherwise, voice echo will increase.

■ **Automatic volume adjustment**

When vehicle speed is 80 km/h (50 mph) or more, the volume automatically increases. The volume returns to the previous volume setting when vehicle speed drops to 70 km/h (43 mph) or less.

■ **Phone call system functions**

Depending on the cellular phone, certain functions may not be available.

■ **Situations where the system may not recognize your voice**

- When driving on a rough road
- When driving at high speeds
- When air is blowing out of the vents onto the microphone
- When the air conditioning fan emits a loud noise

Bluetooth®

■ **When using the Bluetooth® audio/phone**

● In the following situations, the system may not function.

- The portable player does not support Bluetooth®
- The cellular phone is located outside the service area
- The Bluetooth® device is switched off
- The Bluetooth® device has a low battery
- The Bluetooth® device is not connected to the system
- The Bluetooth® device is behind the seat or in the glove box or console box, or metal material covers or touches the device

● There may be a delay if a cellular phone connection is made during Bluetooth® audio play.

● Depending on the type of portable audio player that is connected to the system, operation may differ slightly and certain functions may not be available.

● This system is not guaranteed to operate with all Bluetooth® devices.

■ **When transferring ownership of the vehicle**

Be sure to initialize the system to prevent personal data from being improperly accessed. (→P. 508)

■ **About Bluetooth®**

The Bluetooth word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Fujitsu Ten Limited is under license. Other trademarks and trade names are those of their respective owners.



■ **Compatible models**

● Bluetooth® specifications:
Ver. 1.1, or higher (Recommended: Ver. 2.1 + EDR or higher)

● Following Profiles:

- A2DP (Advanced Audio Distribution Profile) Ver. 1.0 or higher (recommended: Ver. 1.2 or higher)
- AVRCP (Audio/Video Remote Control Profile) Ver. 1.0 or higher (recommended: Ver. 1.3 or higher)

Portable players must correspond to the above specifications in order to be connected to the Bluetooth® audio/phone. However, please note that some functions may be limited depending on the type of portable player.

● Cellular phone

- HFP (Hands Free Profile) Ver. 1.0 or higher (Recommended: Ver. 1.5)
- OPP (Object Push Profile) Ver. 1.1
- PBAP (Phone Book Access Profile) Ver. 1.0

■ **Certification**

Information of the radio device: Type FT0052D

1. Operating frequency band and maximum radio-frequency power (If the Bluetooth function is equipped)

Operating frequency band	Maximum radio-frequency power
2402 - 2480 MHz	0.83 mW

2. Name and postal address of the manufacturer

   Name: FUJITSU TEN LIMITED
   Address: 2-28, Gosho-dori 1-chome, Hyogo-ku, Kobe, Hyogo 652-8510 Japan

3. Simplified EU declaration of conformity

С настоящото FUJITSU TEN LIMITED декларира, че този тип радиосъоръжение FT0052D е в съответствие с Директива 2014/53/ЕС.
Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес:
http://www.fujitsu-ten.com/support/regulation/eu_doc/

Ovim putem, FUJITSU TEN LIMITED izjavljuje da je vrsta radio opreme FT0052D u saglasnosti s Direktivom 2014/53/EU.
Cijeli tekst EC deklaracije o usaglašenosti je dostupan na sljedećoj internetskoj adresi:
http://www.fujitsu-ten.com/support/regulation/eu_doc/

Tímto FUJITSU TEN LIMITED prohlašuje, že typ rádiového zařízení FT0052D je v souladu se směrnicí 2014/53/EU.
Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese:
http://www.fujitsu-ten.com/support/regulation/eu_doc/

Hermed erklærer FUJITSU TEN LIMITED, at radioudstyrstypen FT0052D er i overensstemmelse med direktiv 2014/53/EU.
EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse:
http://www.fujitsu-ten.com/support/regulation/eu_doc/

Hiermit erklärt FUJITSU TEN LIMITED, dass der Funkanlagentyp FT0052D der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: http://www.fujitsu-ten.com/support/regulation/eu_doc/
Με την παρούσα ο/η FUJITSU TEN LIMITED, δηλώνει ότι ο ραδιοεξοπλισμός FT0052D πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: http://www.fujitsu-ten.com/support/regulation/eu_doc/
Hereby, FUJITSU TEN LIMITED declares that the radio equipment type FT0052D is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: http://www.fujitsu-ten.com/support/regulation/eu_doc/
Por la presente, FUJITSU TEN LIMITED declara que el tipo de equipo radioeléctrico FT0052D es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: http://www.fujitsu-ten.com/support/regulation/eu_doc/
Käesolevaga deklareerib FUJITSU TEN LIMITED, et käesolev raadioseadme tüüp FT0052D vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: http://www.fujitsu-ten.com/support/regulation/eu_doc/
FUJITSU TEN LIMITED vakuuttaa, että radiolaitetyyppi FT0052D on direktiivin 2014/53/EU mukainen. EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: http://www.fujitsu-ten.com/support/regulation/eu_doc/
Le soussigné, FUJITSU TEN LIMITED, déclare que l'équipement radioélectrique du type FT0052D est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: http://www.fujitsu-ten.com/support/regulation/eu_doc/
Leis seo, dearbhaíonn FUJITSU TEN LIMITED go gcomhlíonann an cineál trealaimh raidió FT0052D Treoir 2014/53/EU. Tá an téacs iomlán den dearbhú comhréireachta AE ar fáil ag an seoladh Idirlín seo a leanas: http://www.fujitsu-ten.com/support/regulation/eu_doc/

FUJITSU TEN LIMITED ovime izjavljuje da je radijska oprema tipa FT0052D u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: http://www.fujitsu-ten.com/support/regulation/eu_doc/
FUJITSU TEN LIMITED igazolja, hogy a FT0052D típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: http://www.fujitsu-ten.com/support/regulation/eu_doc/
Hér með, lýsir FUJITSU TEN LIMITED því yfir að gerð útvarpsbúnaðarins FT0052D samræmist tilskipun 2014/53/EU. Allur texti ESB-samræmisyfirlýsingarinnar er aðgengilegur á eftirfarandi veffangi: http://www.fujitsu-ten.com/support/regulation/eu_doc/
Il fabbricante, FUJITSU TEN LIMITED, dichiara che il tipo di apparecchiatura radio FT0052D è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: http://www.fujitsu-ten.com/support/regulation/eu_doc/
Aš, FUJITSU TEN LIMITED, patvirtinu, kad radijo įrenginių tipas FT0052D atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: http://www.fujitsu-ten.com/support/regulation/eu_doc/
Ar šo FUJITSU TEN LIMITED deklarē, ka radioiekārta FT0052D atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: http://www.fujitsu-ten.com/support/regulation/eu_doc/
Со ова, FUJITSU TEN LIMITED изјавува дека радио опремата од типот FT0052D е во согласност со Директивата 2014/53/EU. Целиот текст на ЕУ изјавата за сообразност е достапен на следната интернет адреса: http://www.fujitsu-ten.com/support/regulation/eu_doc/
Ovim, FUJITSU TEN LIMITED izjavljuje da je tip radio opreme FT0052D u skladu sa Direktivom 2014/53/EU. Cjelokupan tekst EU deklaracije o usklađenosti dostupan je na sljedećoj internet adresi: http://www.fujitsu-ten.com/support/regulation/eu_doc/

B'dan, FUJITSU TEN LIMITED, niddikjara li dan it-tip ta' tagħmir tar-radju FT0052D huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: http://www.fujitsu-ten.com/support/regulation/eu_doc/
Hierbij verklaar ik, FUJITSU TEN LIMITED, dat het type radioapparatuur FT0052D conform is met Richtlijn 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: http://www.fujitsu-ten.com/support/regulation/eu_doc/
FUJITSU TEN LIMITED erklærer herved at radioutstyrstypen FT0052D er i samsvar med direktiv 2014/53/EU. Den fullstendige teksten i EU-erklæringen er tilgjengelig på følgende internettadresse: http://www.fujitsu-ten.com/support/regulation/eu_doc/
FUJITSU TEN LIMITED niniejszym oświadcza, że typ urządzenia radiowego FT0052D jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: http://www.fujitsu-ten.com/support/regulation/eu_doc/
O(a) abaixo assinado(a) FUJITSU TEN LIMITED declara que o presente tipo de equipamento de rádio FT0052D está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: http://www.fujitsu-ten.com/support/regulation/eu_doc/
Prin prezenta, FUJITSU TEN LIMITED declară că tipul de echipamente radio FT0052D este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: http://www.fujitsu-ten.com/support/regulation/eu_doc/
FUJITSU TEN LIMITED týmto vyhlasuje, že rádiové zariadenie typu FT0052D je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: http://www.fujitsu-ten.com/support/regulation/eu_doc/
FUJITSU TEN LIMITED potrjuje, da je tip radijske opreme FT0052D skladen z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: http://www.fujitsu-ten.com/support/regulation/eu_doc/

Nëpërmjet kësaj, FUJITSU TEN LIMITED deklaron se lloji i aparatit të radios FT0052D është në përputhje me Direktivën 2014/53/EU. Teksti i plotë i deklaratës së BE-së mbi përputhshmërinë është i disponueshëm në adresën e mëposhtme të internetit: http://www.fujitsu-ten.com/support/regulation/eu_doc/
Ovim, FUJITSU TEN LIMITED izjavljuje da je ovaj tip radijske opreme FT0052D u skladu sa odredbama Direktive 2014/53/EU. Kompletan tekst EU deklaracije o konformitetu je dostupan na sledećoj internet adresi: http://www.fujitsu-ten.com/support/regulation/eu_doc/
Härmed försäkrar FUJITSU TEN LIMITED att denna typ av radioutrustning FT0052D överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: http://www.fujitsu-ten.com/support/regulation/eu_doc/
FUJITSU TEN LIMITED, FT0052D türü telsiz ekipmanının 2014/53/EU Direktifine uygun olduğunu beyan etmektedir. AB uygunluk beyanının tam metnine aşağıdaki internet adresinden ulaşılabilir: http://www.fujitsu-ten.com/support/regulation/eu_doc/

WARNING

■ **While driving**

Do not use the portable audio player, cellular phone or connect a device to the Bluetooth® system.

■ **Caution regarding interference with electronic devices**

- Your audio unit is fitted with Bluetooth® antennas. People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should maintain a reasonable distance between themselves and the Bluetooth® antennas. The radio waves may affect the operation of such devices.
- Before using Bluetooth® devices, users of any electrical medical device other than implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves. Radio waves could have unexpected effects on the operation of such medical devices.

NOTICE

■ **When leaving the vehicle**

Do not leave portable audio player or cellular phone in the vehicle. The inside of the vehicle may become hot, causing damage to the portable audio player or cellular phone.

Interior features 6

6-1. Using the air conditioning system and defogger

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6-4. Using the other interior features

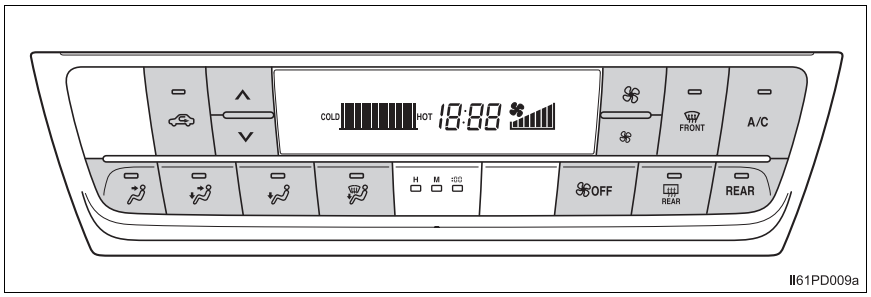
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Front manual air conditioning system*

The illustration below is for left-hand drive vehicles.
The button positions and shapes may differ slightly for right-hand drive vehicles.



■ **Adjusting the temperature setting**

Press "∧"(warm) or "∨" (cool).

If the "A/C" indicator is turned off, the system will blow ambient temperature air or heated air.

■ **Adjusting the fan speed setting**

Press (increase) or (decrease).

Pressing OFF turns off the fan.

■ **Changing the air flow mode**

Press any button of , , , or .

*: If equipped

Other functions

■ Switching between outside air and recirculated air modes

Press .

The mode switches between outside air mode (indicator off) and recirculated air mode (indicator on) each time the button is pressed.

■ Defogging the windshield

Defoggers are used to defog the windshield and front side windows.

Press FRONT.

Set the outside/recirculated air mode button to outside air mode if the recirculated air mode is used. (It may switch automatically.)

To defog the windshield and the side windows early, turn the air flow and temperature up.
To return to the previous mode, press FRONT again when the windshield is defogged.

If the dehumidification function is not operating, press the “A/C” button operate the dehumidification function.

■ Defogging the rear window and outside rear view mirrors

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

Press REAR.

The defoggers will automatically turn off after a period of time.

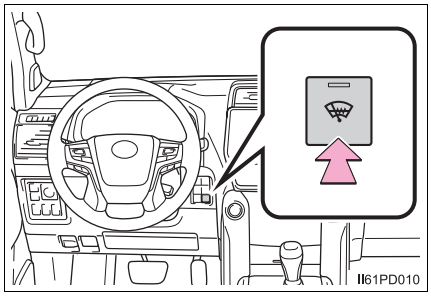
■ **Windshield wiper de-icer (if equipped)**

This feature is used to prevent ice from building up on the windshield and wiper blades.

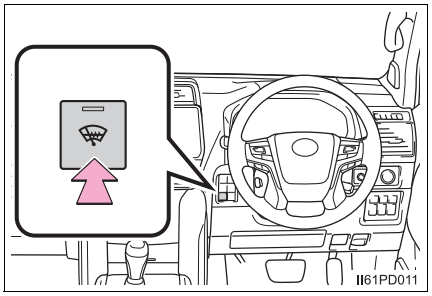
Turns on/off

The windshield wiper de-icer will automatically turn off after a period of time.

▶ Left-hand drive vehicles



▶ Right-hand drive vehicles



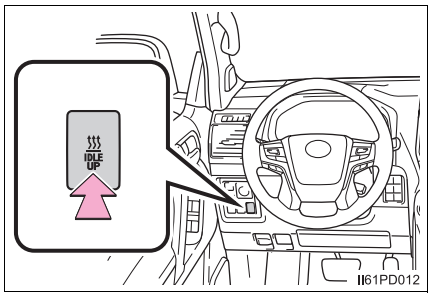
■ **Heater idle up (if equipped)**

This feature is used to boost heating effect in extremely cold conditions when the vehicle is not moving.

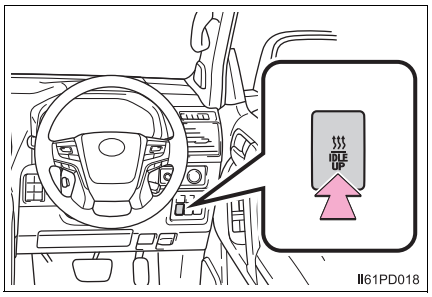
Press the switch to increase engine speed.

Press the switch again to return the engine to the normal idle speed. If you do not turn the switch to off, the engine speed is increased whenever the engine is started.

▶ Left-hand drive vehicles



▶ Right-hand drive vehicles



■ **Power heater (if equipped)**

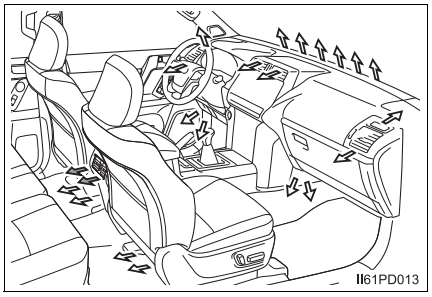
→P. 552

Air outlets

■ **Location of air outlets**

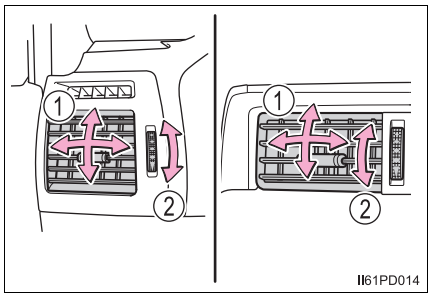
The air outlets and air volume changes according to the selected air flow mode.

⇦ : Some models

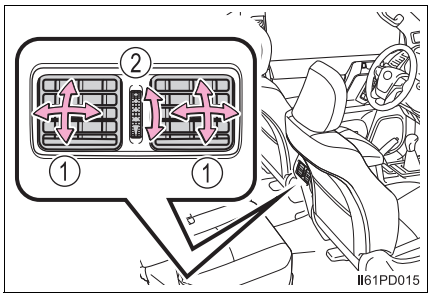


■ **Adjusting the air flow direction and opening/closing the air outlets**

▶ Front outlets



▶ Rear outlets*



① Direct air flow to the left or right, up or down.

② Turn the knob to open or close the vent.

*: Vehicles without rear manual air conditioning system

■ **Fogging up of the windows**

- The windows will easily fog up when the humidity in the vehicle is high. Turning the “A/C” button on will dehumidify the air from the outlets and defog the windshield effectively.
- If you turn the “A/C” button off, the windows may fog up more easily.
- The windows may fog up if the recirculated air mode is used.

■ **Outside/recirculated air mode**

When driving on dusty roads such as tunnels or in heavy traffic, set the outside/recirculated air mode button to the recirculated air mode. This is effective in preventing outside air from entering the vehicle interior. During cooling operation, setting the recirculated air mode will also cool the vehicle interior effectively.

■ **When outside air temperature is low**

The cooling and dehumidification function may not operate even when the “A/C” button is pressed.

■ **Ventilation and air conditioning odors**

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

■ **When the windshield wiper de-icer (if equipped) is on**

▶ Vehicles without Heated Windshield Defroster

The windshield wiper de-icer will automatically turn off after approximately 15 minutes.

▶ Vehicles with Heated Windshield Defroster

- The windshield wiper de-icer and Heated Windshield Defroster will automatically turn off. The operation time varies depending on the outside temperature.
- The lower the outside temperature, the longer the operation (at most 8 minutes).
- If the outside temperature is high, the operation will stop in few seconds.

■ **Heated Windshield Defroster (if equipped)**

When the windshield wiper de-icer is operated, the Heated Windshield Defroster will operate automatically at the same time, preventing ice from building up on the windshield.

■ **If "Out. temp over 5°C. Full deicer unavailable. Use defroster." is displayed (vehicles with the Heated Windshield Defroster and the multi-information display type B)**

Indicates that the windshield wiper de-icer is not available.

Use the defogger.

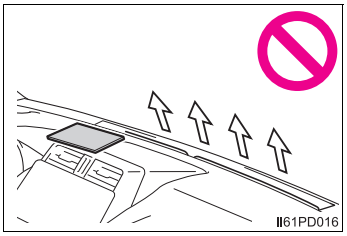
■ **Air conditioning filter**

→P. 658

WARNING

■ **To prevent the windshield from fogging up**

- Do not use FRONT 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.
- Do not place anything on the instrument panel which may cover the air outlets. Otherwise, air flow may be obstructed, preventing the windshield defoggers from defogging.



■ **To prevent burns**

- Do not touch the rear view mirror surfaces when the outside rear view mirror defoggers are on.
- Do not touch the glass at lower part of the windshield or to the side of the front pillars when the windshield wiper de-icer is on. (vehicles with windshield wiper de-icer)
- Do not touch the windshield (especially the lower part) as the surfaces can become very hot when the windshield wiper de-icer is on. (vehicles with Heated Windshield Defroster)

NOTICE

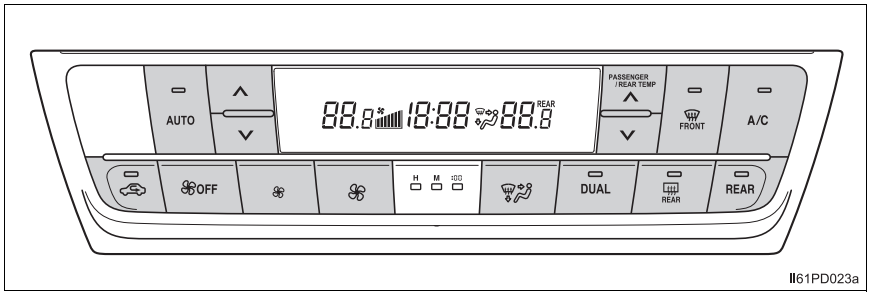
■ **To prevent battery discharge**

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

Front automatic air conditioning system*

Air outlets and fan speed are automatically adjusted according to the temperature setting.

The illustration below is for left-hand drive vehicles.
The button positions and shapes may differ slightly for right-hand drive vehicles.



■ **Adjusting the temperature setting**

Press "∧"(increase) or "∨"(decrease).

If the "A/C" indicator is turned off, the system will blow ambient temperature air or heated air.

■ **Adjusting the fan speed setting**

Press (increase) or (decrease).

Press OFF to turn the fan off.

■ **Changing the air flow mode**

Press .

The air flow mode switch each time the button is pressed.

*: If equipped

Air conditioning controls

■ Using the automatic mode

1 Press the “AUTO” button.

2 Adjust the temperature setting.

3 To stop the operation, press OFF.

■ Automatic mode indicator

If the fan speed setting or air flow modes are operated, the automatic mode indicator goes off. However, automatic mode for functions other than that operated is maintained.

■ Adjusting the temperature for driver and passenger seats separately (“DUAL” mode)

To turn on the “DUAL” mode, perform any of the following procedures:

- Press the “DUAL” button.
- Adjust the passenger’s side temperature setting.

The indicator comes on when the “DUAL” mode is on.

While in “DUAL” mode, the temperature of the rear air outlets is set at the passenger’s side temperature setting.

Changing the rear seat settings (vehicles with rear automatic air conditioning system)

■ Adjusting the temperature setting

1 Press the “REAR” button.

“REAR” is shown on the display.

2 Press “∧”(increase) or “∨”(decrease) on the passenger’s side.

■ Adjusting the fan speed setting

Press (increase) or (decrease).

Press OFF to turn the fan off.

■ Changing the air flow mode

Press .

The air flow mode switch each time the button is pressed.

Other functions

■ Switching between outside air and recirculated air modes

Press .

The mode switches between outside air mode (indicator off) and recirculated air mode (indicator on) each time the button is pressed.

■ Defogging the windshield

Defoggers are used to defog the windshield and front side windows.

Press FRONT.

Set the outside/recirculated air mode button to outside air mode if the recirculated air mode is used. (It may switch automatically.)

To defog the windshield and the side windows early, turn the air flow and temperature up.

To return to the previous mode, press FRONT again when the windshield is defogged.

■ Defogging the rear window and outside rear view mirrors

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

Press REAR.

The defoggers will automatically turn off after a period of time.

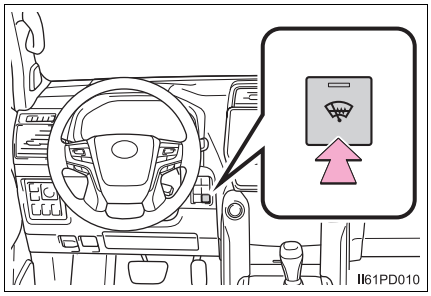
■ **Windshield wiper de-icer (if equipped)**

This feature is used to prevent ice from building up on the windshield and wiper blades.

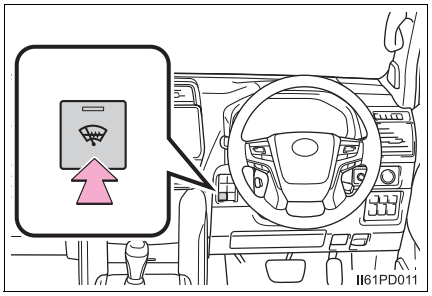
Turns on/off

The windshield wiper de-icer will automatically turn off after a period of time.

▶ Left-hand drive vehicles



▶ Right-hand drive vehicles



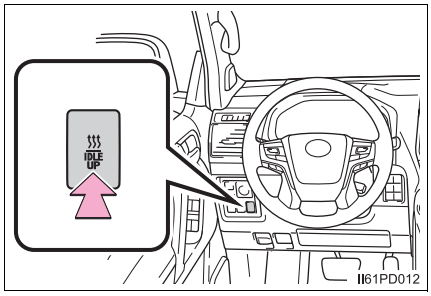
■ **Heater idle up (if equipped)**

This feature is used to boost heating effect in extremely cold conditions when the vehicle is not moving.

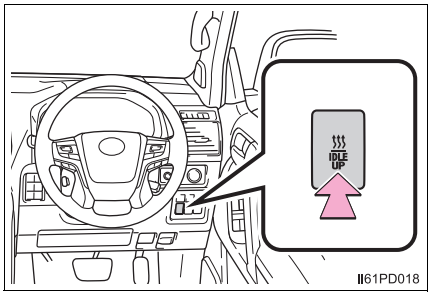
Press the switch to increase engine speed.

Press the switch again to return the engine to the normal idle speed. If you do not turn the switch to off, the engine speed is increased whenever the engine is started.

▶ Left-hand drive vehicles



▶ Right-hand drive vehicles



■ **Power heater (if equipped)**

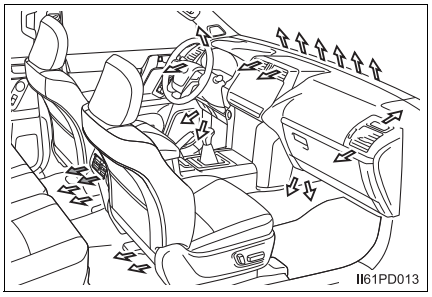
→P. 552

Air outlets

■ Location of air outlets

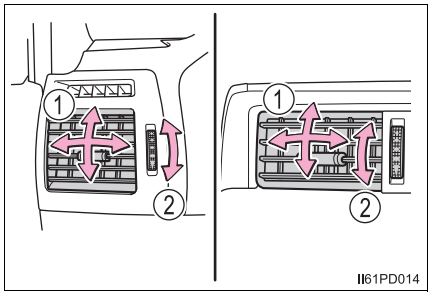
The air outlets and air volume changes according to the selected air flow mode.

⇦ : Some models

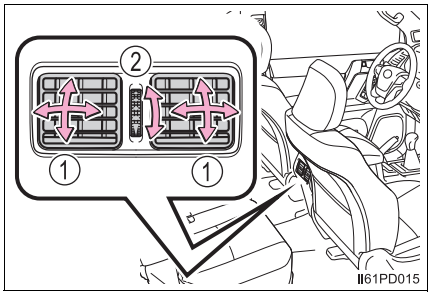


■ Adjusting the air flow direction and opening/closing the air outlets

▶ Front outlets



▶ Rear outlets*



① Direct air flow to the left or right, up or down.

② Turn the knob to open or close the vent.

*: Vehicles without rear automatic air conditioning system

■ **Using automatic mode**

Fan speed is adjusted automatically according to the temperature setting and ambient conditions.

Therefore, the fan may stop for a while until warm or cool air is ready to flow immediately after the “AUTO” button is pressed.

■ **Fogging up of the windows**

- The windows will easily fog up when the humidity in the vehicle is high. Turning the “A/C” button on will dehumidify the air from the outlets and defog the windshield effectively.
- If you turn the “A/C” button off, the windows may fog up more easily.
- The windows may fog up if the recirculated air mode is used.

■ **Outside/recirculated air mode**

- When driving on dusty roads such as tunnels or in heavy traffic, set the outside/recirculated air mode button to the recirculated air mode. This is effective in preventing outside air from entering the vehicle interior. During cooling operation, setting the recirculated air mode will also cool the vehicle interior effectively.
- Outside/recirculated air mode may automatically switch depending on the temperature setting or the inside temperature.

■ **When outside air temperature is low**

The cooling and dehumidification function may not operate even when the “A/C” button is pressed.

■ **Using the rear automatic air conditioning system (vehicles with rear automatic air conditioning system)**

- When the rear automatic air conditioning system is on, the indicator light on the “REAR” button is turned on.
- If the system is left untouched for approximately 10 seconds after changing to the rear automatic air conditioning system, the control mode in the front control panel returns to the front.

■ **Ventilation and air conditioning odors**

- To let fresh air in, set the air conditioning system to the outside air mode.
- During use, various odors from inside and outside the vehicle may enter into and accumulate in the air conditioning system. This may then cause odor to be emitted from the vents.
- To reduce potential odors from occurring:
  - It is recommended that the air conditioning system be set to outside air mode prior to turning the vehicle off.
  - The start timing of the blower may be delayed for a short period of time immediately after the air conditioning system is started in automatic mode.

■ **The rear window defogger, outside rear view mirror defogger and windshield wiper de-icer (if equipped) can be operated when**

▶ Vehicles without a smart entry & start system

The engine switch is in the “ON” position.

▶ Vehicles with a smart entry & start system

The engine switch is in IGNITION ON mode.

■ **Operation of the air conditioning system in Eco drive mode (vehicles with Driving mode select switches)**

- In the Eco drive mode, the air conditioning system is controlled as follows to prioritize fuel efficiency
  - Engine speed and compressor operation controlled to restrict heating/cooling capacity
  - Fan speed restricted when automatic mode is selected
- To improve air conditioning performance, perform the following operations
  - Adjust the fan speed
  - Turn off Eco drive mode

■ **When the windshield wiper de-icer (if equipped) is on**

▶ Vehicles without Heated Windshield Defroster

The windshield wiper de-icer will automatically turn off after approximately 15 minutes.

▶ Vehicles with Heated Windshield Defroster

- The windshield wiper de-icer will automatically turn off. The operation time varies depending on the outside temperature.
- The lower the outside temperature, the longer the operation (at most 8 minutes).
- If the outside temperature is high, the operation will stop in few seconds.

■ **Heated Windshield Defroster (if equipped)**

When the windshield wiper de-icer is operated, the Heated Windshield Defroster will operate automatically at the same time, preventing ice from building up on the windshield.

■ **If “Out. temp over 5°C. Full deicer unavailable. Use defroster.” is displayed (vehicles with the Heated Windshield Defroster and the multi-information display type B)**

Indicates that the windshield wiper de-icer is not available.

Use the defogger.

■ **When the Heated Windshield Defroster (if equipped) is on (vehicles with 1GD-FTV engine)**

Operation of the outer second seat heaters and the luggage compartment power outlet (220 V AC) are disabled.

■ **Air conditioning filter**

→P. 658

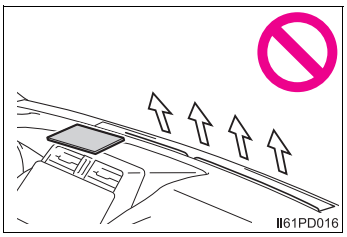
■ **Customization**

Settings (e.g. A/C automatic mode button operation) can be changed. (Customizable features: →P. 809)

WARNING

■ **To prevent the windshield from fogging up**

- Do not use FRONT 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.
- Do not place anything on the instrument panel which may cover the air outlets. Otherwise, air flow may be obstructed, preventing the windshield defoggers from defogging.



■ **To prevent burns**

- Do not touch the rear view mirror surfaces when the outside rear view mirror defoggers are on.
- Do not touch the glass at lower part of the windshield or to the side of the front pillars when the windshield wiper de-icer is on. (vehicles with windshield wiper de-icer)
- Do not touch the windshield (especially the lower part) as the surfaces can become very hot when the windshield wiper de-icer is on. (vehicles with Heated Windshield Defroster)

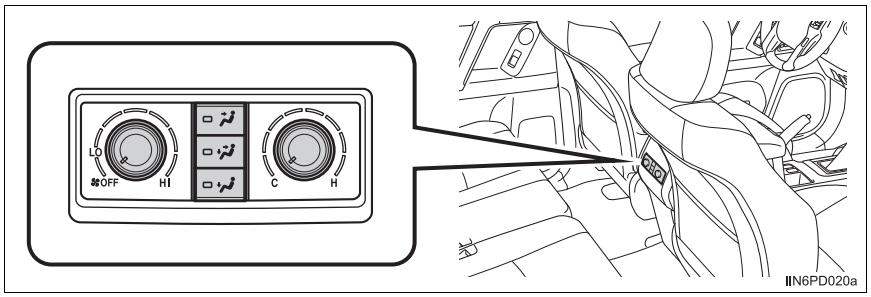
NOTICE

■ **To prevent battery discharge**

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

Rear manual air conditioning system*

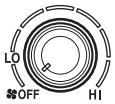
Press the “REAR” button on the front manual air conditioning control panel to use the rear manual air conditioning system.



■ **Adjusting the temperature setting**

Turn  clockwise (warm) or counterclockwise (cool).

■ **Adjusting the fan speed setting**

Turn  clockwise (increase) or counterclockwise (decrease).

Turning the knob to “OFF” turns off the fan.

■ **Changing the air flow mode**

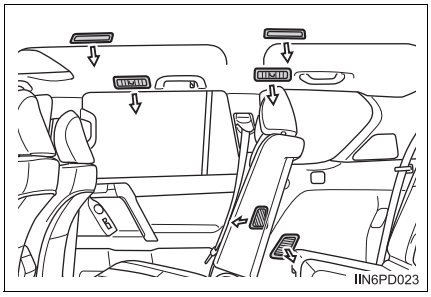
Press any button of ,  or .

*: If equipped

Air outlets

■ Location of air outlets

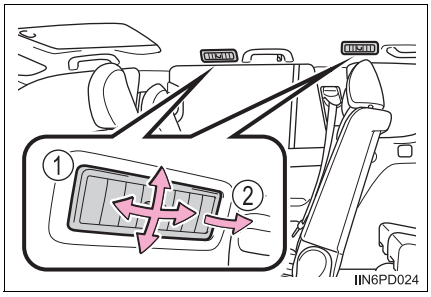
The air outlets and air volume changes according to the selected air flow mode.



■ Adjusting the air flow direction and opening/closing the air outlets

① Direct air flow to the left or right, up or down.

② Turn the knob fully to the back of the vehicle to close the vent.



⚠ NOTICE

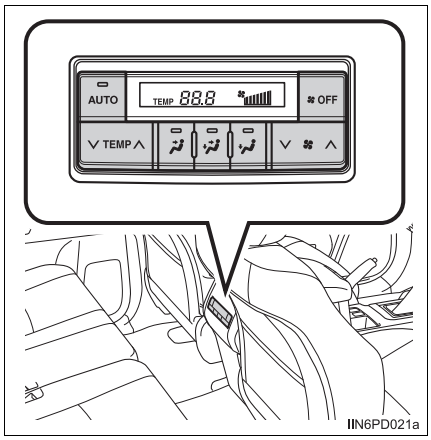
■ To prevent battery discharge

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

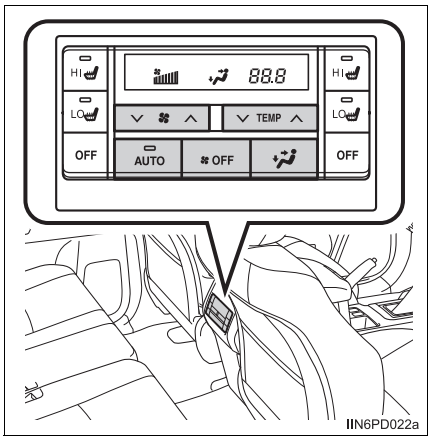
Rear automatic air conditioning system*

Air outlets and fan speed are automatically adjusted according to the temperature setting.

▶ Vehicles without outer second seat heaters



▶ Vehicles with outer second seat heaters



■ **Adjusting the temperature setting**

Press "∧" on the "TEMP" button to increase the temperature and "∨" to decrease the temperature.

■ **Adjusting the fan speed setting**

Press "∧" on ∨ ❄ ∧ to increase the fan speed and "∨" to decrease the fan speed.

Press the "OFF" button to turn the fan off.

■ **Changing the air flow mode**

▶ Vehicles without outer second seat heaters

Press any button of , , or .

▶ Vehicles with outer second seat heaters

Press .

The air flow mode switch each time the button is pressed.

*: If equipped

6

Interior features

Air conditioning controls

■ Using the automatic mode

1 Press the “AUTO” button.

2 Adjust the temperature setting.

3 To stop the operation, press the “OFF” button.

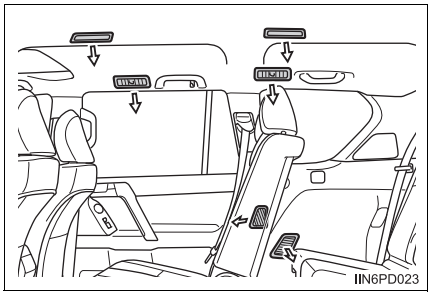
■ If the system is operated manually in automatic mode

If the fan speed setting or air flow modes are operated, the automatic mode indicator goes off. However, automatic mode for functions other than that operated are maintained.

Air outlets

■ Location of air outlets

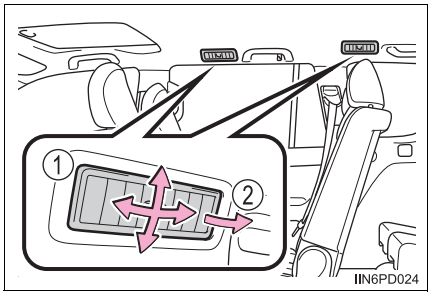
The air outlets and air volume changes according to the selected air flow mode.



■ Adjusting the air flow direction and opening/closing the air outlets

① Direct air flow to the left or right, up or down.

② Turn the knob fully to the back of the vehicle to close the vent.



NOTICE

■ **To prevent battery discharge**

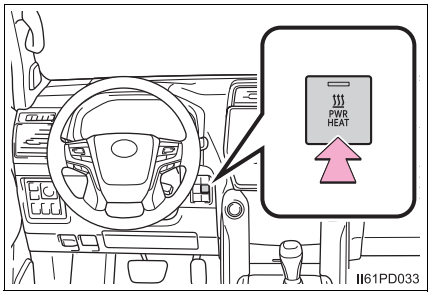
Do not leave the air conditioning system on longer than necessary when the engine is off.

Power heater*

This feature is used to keep the cab warm in cold conditions.

On/off

The power heater turns on about 30 seconds after you press the switch and it takes about another 55 seconds to warm up.



■ **Power heater can be operated when**

- The engine is running.
- The outside temperature is low.
- The engine coolant temperature is low.

■ **Normal characteristics of power heater operation**

The following cases do not indicate a malfunction.

- When the power heater is turned on or off, some white smoke and a slight odor may be emitted from the power heater exhaust that is located under the floor.
- When the power heater is being used under extremely cold conditions, vapor may be visible from its exhaust.
- When the power heater is turned off, you may hear a sound in the engine compartment for about 2 minutes until the power heater turns off completely.

■ **After the heater is off**

We recommend not restarting the heater for 10 minutes after you turn it off. Otherwise, a noise may be heard as the heater ignites.

■ **When refueling your vehicle**

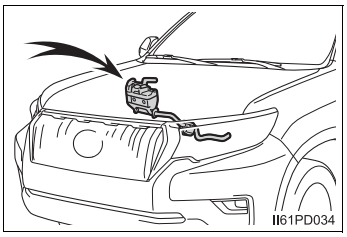
The engine must be turned off. Turning the engine off turns the power heater off.

*: If equipped

WARNING

■ **To prevent burns or damage on your vehicle**

- Do not touch the heater or its exhaust pipe as they are hot.
- Keep flammable items such as fuel away from the heater and its exhaust pipe. This may cause a fire.



NOTICE

■ **To prevent damage to your vehicle**

- Do not turn the heater on and off repeatedly in 5 minute intervals as this can shorten the life of the heater components. If the engine must be turned on and off repeatedly within short intervals (such as when the vehicle is being used for delivery purposes), turn the heater off.
- Do not modify or open the heater without consulting any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer. This may cause a heater malfunction or a fire.
- Be careful not to splash water or spill liquid directly on the heater or on the heater fuel pump. This may cause the heater to malfunction.
- Keep the intake and exhaust pipes of the heater free from water, snow, ice, mud, etc. If the pipes become clogged, this can cause the heater to malfunction.
- If you notice anything unusual, such as a fluid leak, smoke or poor operation, turn off the heater and have your vehicle checked by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

Heated steering wheel*/seat heaters*/ seat ventilators*

Heated steering wheel and seat heaters heat the side grips of the steering wheel and seats. Seat ventilators maintain good airflow by blowing air from the seats.

⚠ WARNING

- Care should be taken to prevent injury if anyone in the following categories comes in contact with the steering wheel and seats when the heater is on:
  - Babies, small children, the elderly, the sick and the physically challenged
  - Persons with sensitive skin
  - Persons who are fatigued
  - Persons who have taken alcohol or drugs that induce sleep (sleeping drugs, cold remedies, etc.)
- Observe the following precautions to prevent the minor burns or overheating:
  - Do not cover the seat with a blanket or cushion when using the seat heater.
  - Do not use seat heater more than necessary.

⚠ NOTICE

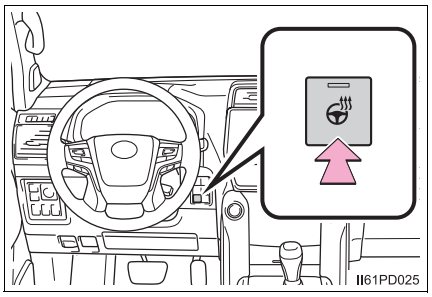
- Do not put heavy objects that have an uneven surface on the seat and do not stick sharp objects (needles, nails, etc.) into the seat.
- To prevent battery discharge, do not use the functions when the engine is off.

*: If equipped

Heated steering wheel (if equipped)

Turns the steering wheel heater on/off

The indicator light comes on when the heater is operating.



■ **The heated steering wheel can be used when**

▶ Vehicles without a smart entry & start system

The engine switch is in the “ON” position.

▶ Vehicles with a smart entry & start system

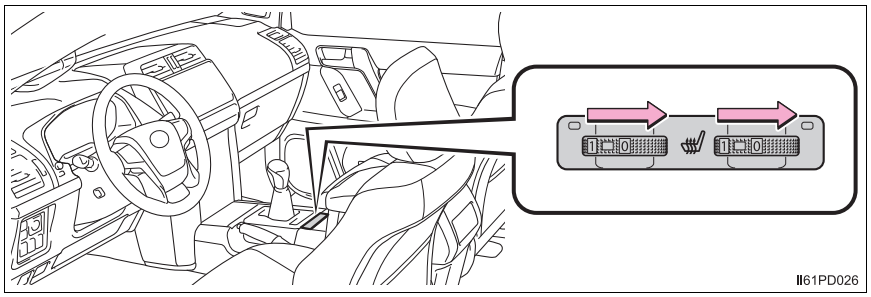
The engine switch is in IGNITION ON mode.

■ **Timer**

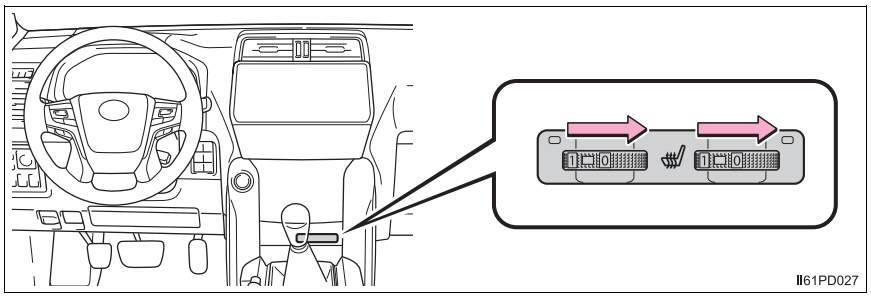
The heated steering wheel will automatically turn off after about 30 minutes.

Front seat heaters (if equipped)

▶ Vehicles with an automatic transmission



▶ Vehicles with a manual transmission



Turns the seat heater on

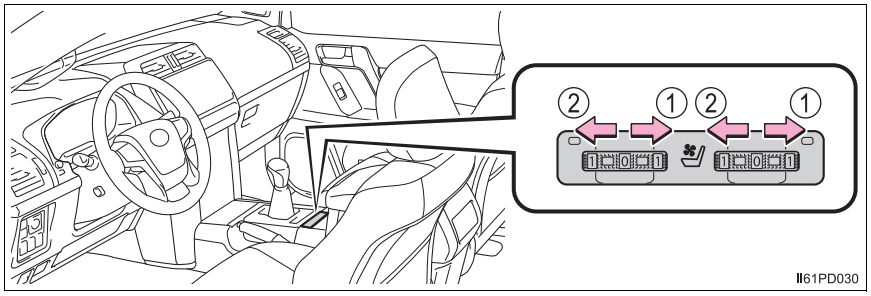
The indicator light comes on.

The higher the number is, the warmer the seat becomes.

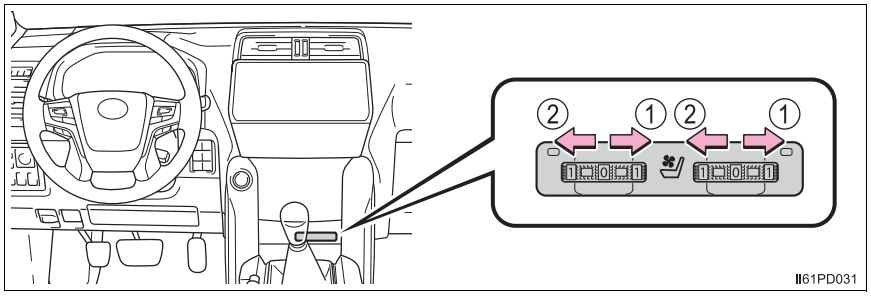
Seat heaters and ventilators (if equipped)

■ Front seats

▶ Vehicles with an automatic transmission



▶ Vehicles with a manual transmission



① Turns the seat heater on

The indicator light comes on.
The higher the number is, the warmer the seat becomes.

② Blows air from the seat

The indicator light comes on.
The higher the number is, the stronger the airflow becomes.

■ Outer second seats

① For left second seat

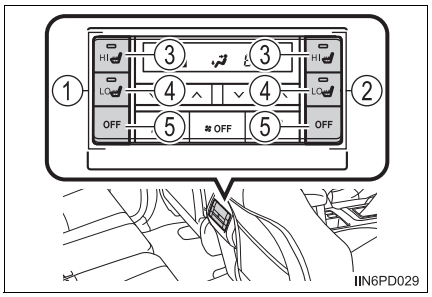
② For right second seat

③ High heating temperature

④ Low heating temperature

To turn on the seat heater, press “HI” or “LO”.

⑤ Off



■ **The seat heaters/seat ventilators can be used when**

▶ Vehicles without a smart entry & start system

The engine switch is in the “ON” position.

▶ Vehicles with a smart entry & start system

The engine switch is in IGNITION ON mode.

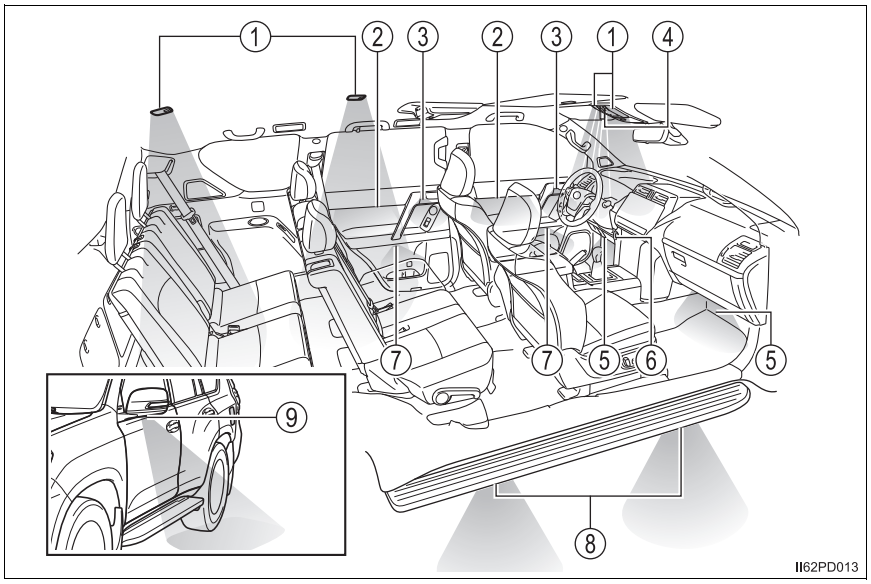
■ **The outer second seat heaters can not be used when (vehicles with 1GD-FTV engine)**

The Heated Windshield Defroster (if equipped) is operating.

■ **When not in use**

Set the knob at “0”. The indicator light will turn off.

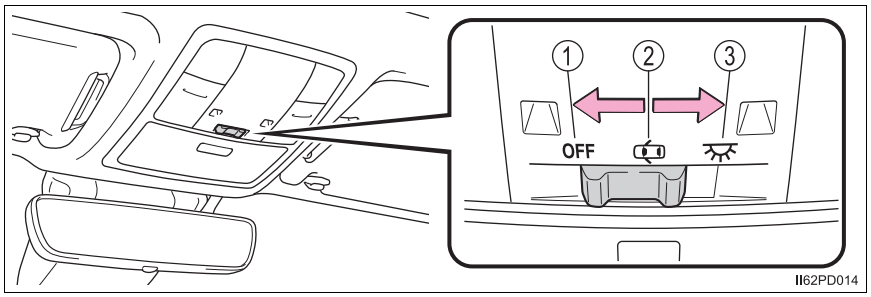
Interior lights list



① Personal/interior lights (→P. 560)
② Ornament illumination* (if equipped)
③ Inside door handle lights* (if equipped)
④ Shift lever light (if equipped)
⑤ Footwell lights* (if equipped)
⑥ Engine switch light
⑦ Door pocket lights* (if equipped)
⑧ Running board lights (if equipped)
⑨ Outer foot lights (if equipped)

*: The brightness of the lights can be adjusted (→P. 561)

Personal/interior lights main switch



① Off
The personal/Interior lights and interior light can be individually turned on or off.

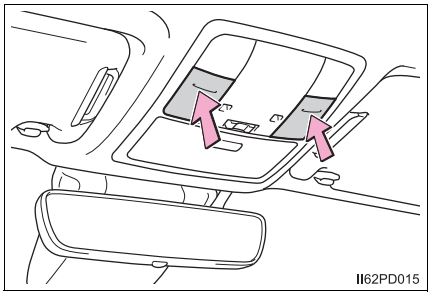
② Door position
The personal/interior lights come on when a door is opened. They turn off when the doors are closed.

③ On
The personal/interior lights cannot be individually turned off.

Personal/interior lights

▶ Front

Turns the lights on/off

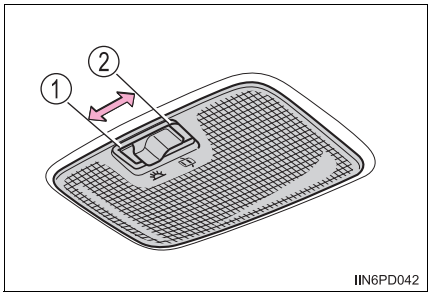


▶ Rear (without personal lights)

① Turns the lights on

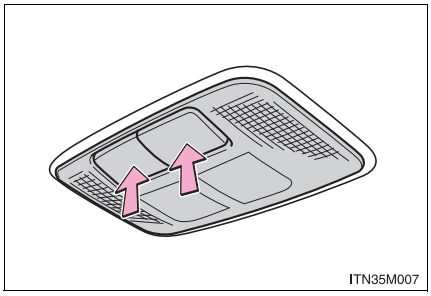
② Turns the door position on

Door position: When the personal/ interior light main switch is in the “OFF” position, the lights will not turn on.



▶ Rear (with personal lights)

Turns the lights on/off



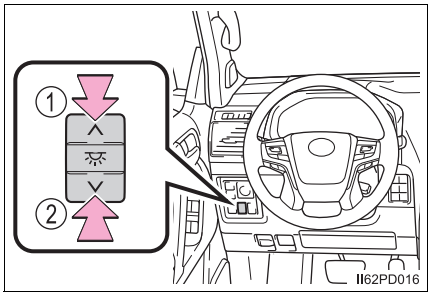
Lounge illumination control switches (if equipped)

The brightness of the following lights can be adjusted:

- Inside door handle lights
- Ornament illumination
- Door pocket lights
- Footwell lights

① Brighter

② Darker



■ **Illuminated entry system**

▶ Vehicles without a smart entry & start system

The lights automatically turn on/off according to the engine switch position, whether the doors are locked/unlocked, and whether the doors are open/closed.

▶ Vehicles with a smart entry & start system

The lights automatically turn on/off according to the engine switch mode, the presence of the electronic key, whether the doors are locked/unlocked, and whether the doors are open/closed.

■ **To prevent battery discharge**

If the following lights remain on when the engine switch is turned off the lights will go off automatically after 20 minutes:

- Personal/interior light
- Inside door handle lights (if equipped)
- Ornament illumination (if equipped)
- Door pocket lights (if equipped)
- Footwell lights (if equipped)

■ **Customization**

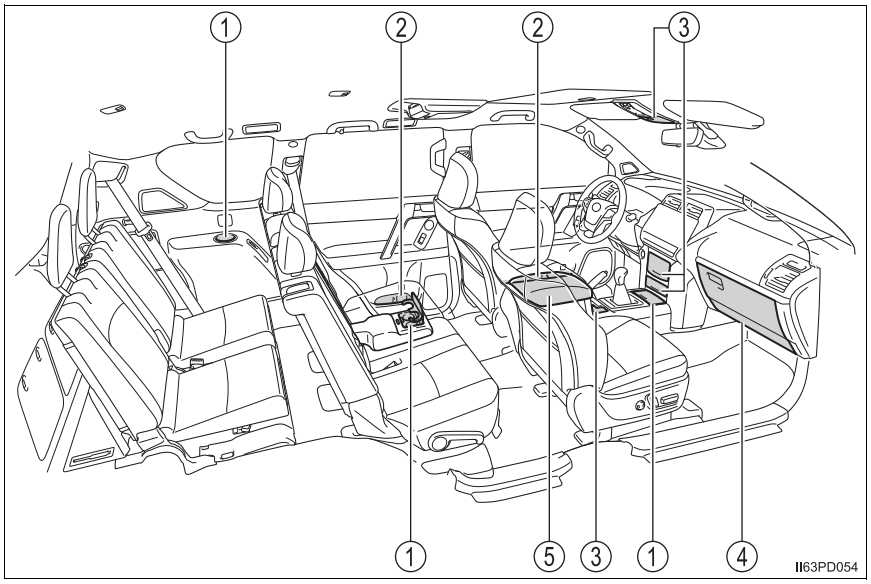
Settings (e.g. time elapsed before the interior lights turn off) can be changed.

(Customizable features: →P. 814)

⚠ NOTICE

To prevent battery discharge, do not leave the lights on longer than necessary when the engine is not running.

List of storage features



① Cup holders (→P. 567)

② Bottle holders/door pockets (→P. 568)

③ Auxiliary boxes (→P. 571)

④ Glove box (→P. 564)
Card holder (right-hand drive vehicles) (→P. 565)

⑤ Console box (if equipped) (→P. 565)
Cool box (if equipped) (→P. 577)

WARNING

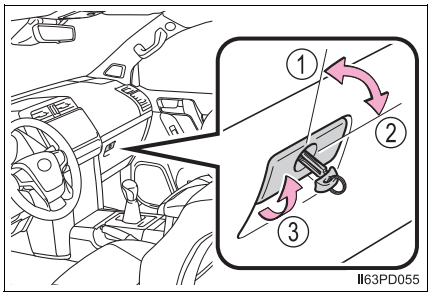
- Do not leave glasses, lighters or spray cans in the storage spaces, as this may cause the following when cabin temperature becomes high:
  - Glasses may be deformed by heat or cracked if they come into contact with other stored items.
  - Lighters or spray cans may explode. If they come into contact with other stored items, the lighter may catch fire or the spray can may release gas, causing a fire hazard.
- Keep the storage compartments lids closed when driving or not in use.
  In the event of sudden braking or sudden swerving, an accident may occur due to an occupant being struck by an open lid or the items stored inside.

Glove box

① Unlock with the master key or the mechanical key

② Lock with the master key or the mechanical key

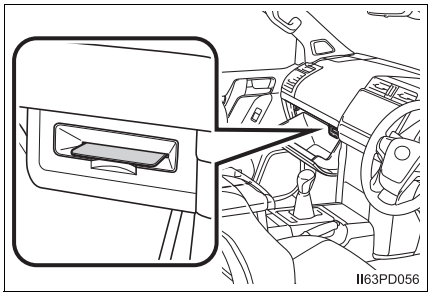
③ Open (pull the lever)



The glove box light turns on when the tail lights are on.

Card holder (right-hand drive vehicles)

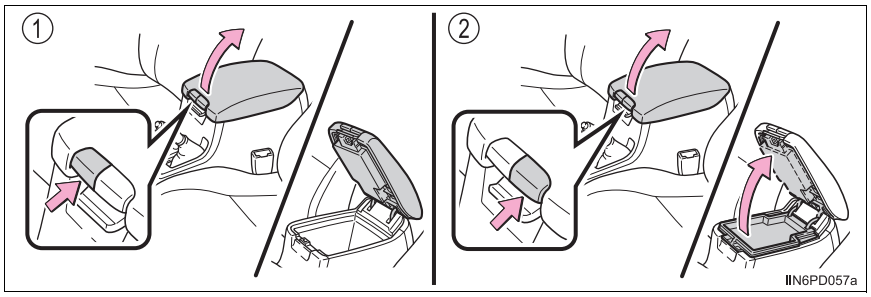
The card holder is located in the glove box.



Console box (if equipped)

Your vehicle is equipped with either a console box or cool box.

For vehicles with the cool box, refer to P. 577.



Lift the lid while pulling up the knob to release the lock.

① Lifts the lid and tray

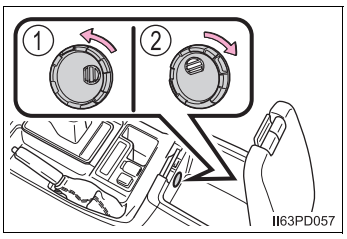
② Lifts the lid
Pull the tray up to open the console box.

■ **Using the console box vent (if equipped)**

Air from the air conditioner can be distributed into the console box by opening and closing the vent.

① Open

② Close

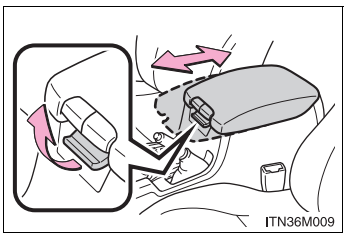


■ **Items unsuitable for the console box**

- Drinks in unsealed containers
- Fragile items, perishables or anything with strong odor
- Owner's manual, electronic devices, CDs, etc. (when using the console box vent)

■ **When using the console box lid as an armrest**

Slide the console box lid forward or backward as needed. Slide the lid while pulling up the lever to release the lock.



NOTICE

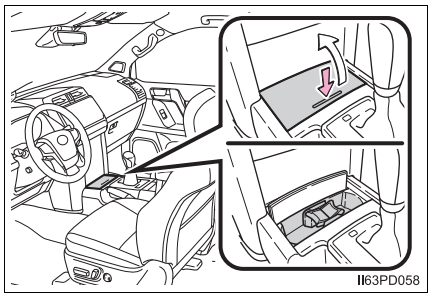
Make sure of the following when the lid or tray of the console box does not close, or when the tray sticks while opening the lid.
Operating them forcibly may cause damage to the console box or the stored items.

- The stored items in the console box do not interfere with the tray.
- The stored items in the tray do not interfere with the lid of the console box.

Cup holders/bottle holders/door pockets

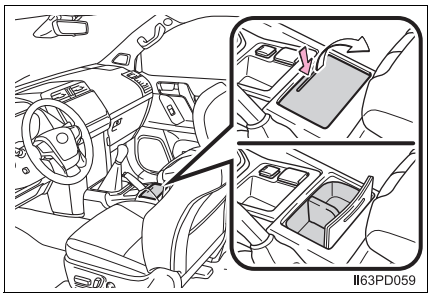
■ Cup holders

▶ Front (vehicles with an automatic transmission)



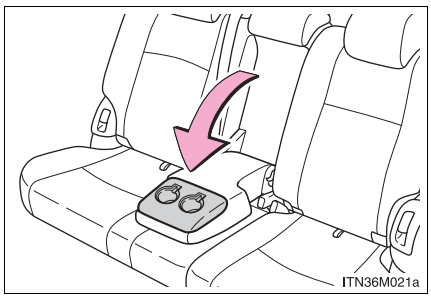
Press down and release the cup holder lid.

▶ Front (vehicles with a manual transmission)



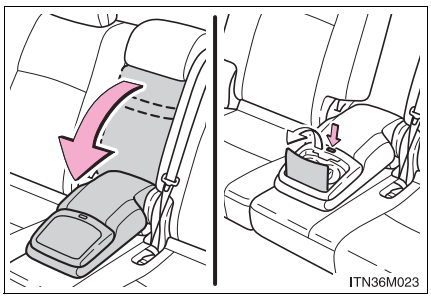
Press down and release the cup holder lid.

▶ Rear (type A) (if equipped)



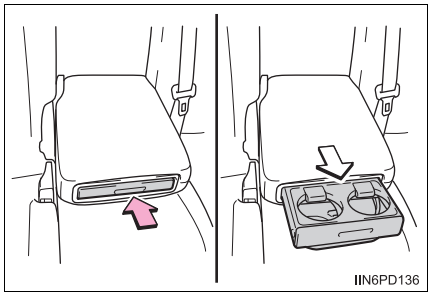
Pull the armrest down.

▶ Rear (type B) (if equipped)

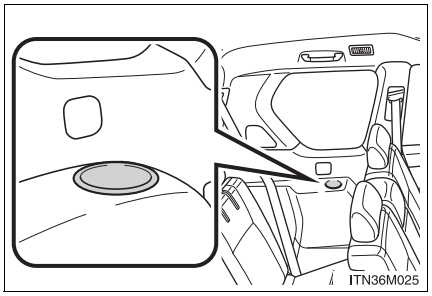


Pull the armrest down and press in and release the button.

▶ Rear (type C) (if equipped)



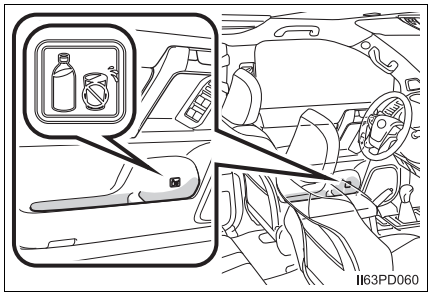
▶ Rear (type D) (if equipped)



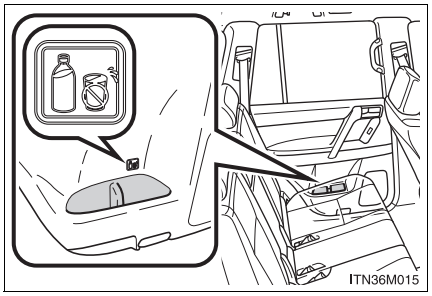
Push the lid.

■ **Bottle holders/door pockets**

▶ Front



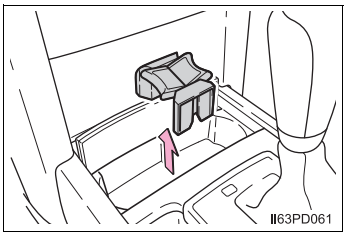
▶ Rear (if equipped)



■ **Removing the holder, separate tray and adapter of the cup holder**

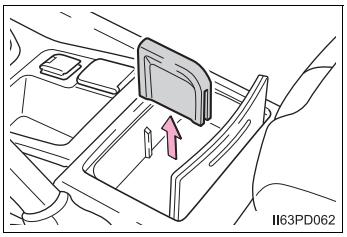
▶ Front (vehicles with an automatic transmission)

Pull up the holder.



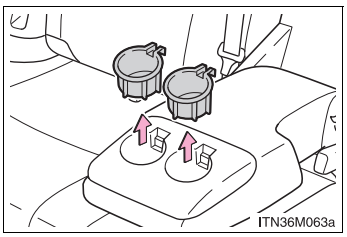
▶ Front (vehicles with a manual transmission)

Pull up the separate tray.



▶ Rear (type A)

Pull up the adapter.



■ **When storing a bottle in the bottle holder**

- Close the cap.
- The bottle may not be stored depending on its size or shape.

⚠ WARNING

■ **Items unsuitable for the cup holder**

Do not place anything other than cups, mugs or beverage cans in the cup holders. Even when the lid is closed, items must not be stored in the cup holders.
Other items may be thrown out of the holders in the event of sudden braking, sudden swerving or an accident, cause injury. If possible, cover hot drinks to prevent burns.

■ **Items unsuitable for the bottle holder**

Do not place anything other than a bottle in the bottle holders.
Other items may be thrown out of the holders in the event of an accident or sudden braking and cause injury.

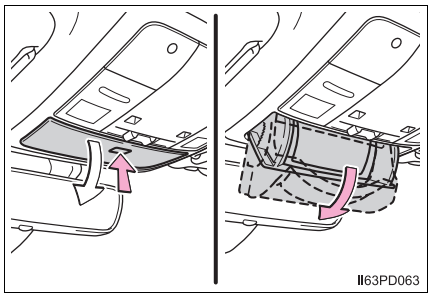
NOTICE

■ **To prevent damage to the rear cup holders (rear [type B])**
Stow the cup holders before stowing the armrest.

■ **Items that should not be stowed in the bottle holders**
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 boxes

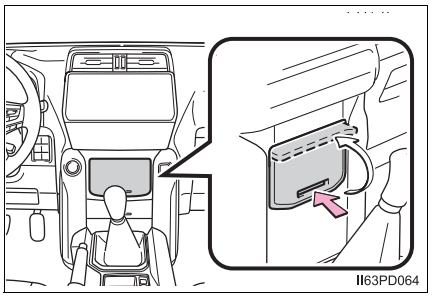
▶ Type A



Press in the lid.

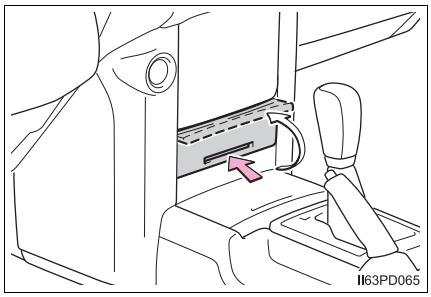
The auxiliary box is useful for temporarily storing sunglasses and similar small items.

▶ Type B (if equipped)



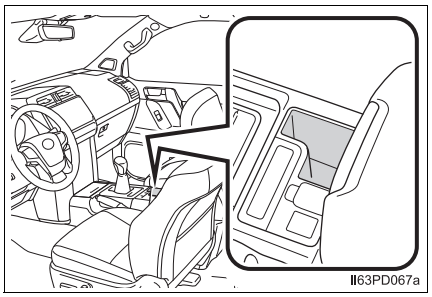
Push the lid.

▶ Type C (if equipped)

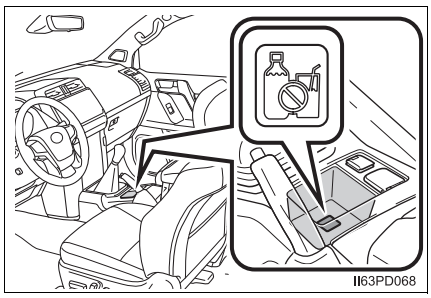


Push the lid.

▶ Type D (vehicles with an automatic transmission)



▶ Type E (vehicles with a manual transmission)



WARNING

- Do not place cups, beverage cans or bottles in the box. They may be thrown out of the box in the event of sudden braking, sudden swerving or an accident, resulting in injury. (type D and E)
- Do not store items heavier than 0.2 kg (0.4 lb.).
  Doing so may cause the auxiliary box to open and the items inside may fall out, resulting in an accident. (type A)
- Do not put large items in the overhead console.
  The overhead console may not be able to be shut from the conversation mirror state. (type A)

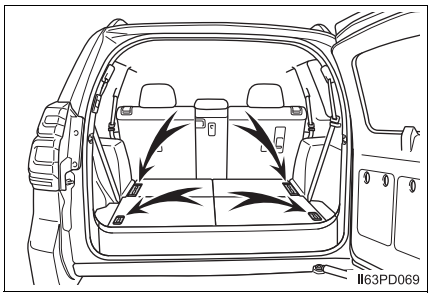
Luggage compartment features

Deck rail (if equipped)

To attach the deck hooks, use the deck rails.

The deck hook itself is not included as an original equipment.

Vehicles with the third seats (power seat): When using the deck rail, the third seat must be fold down. (→P. 205)

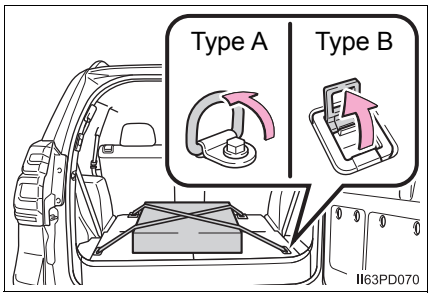


Cargo hooks (if equipped)

Raise the hook to use.

The cargo hooks are provided for securing loose items.

Vehicles with the third seats (manual seat): When using the deck hooks, the third seat must be fold down. (→P. 203)

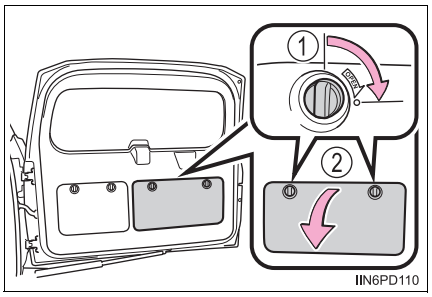


Warning reflector holder

1 Open the cover.

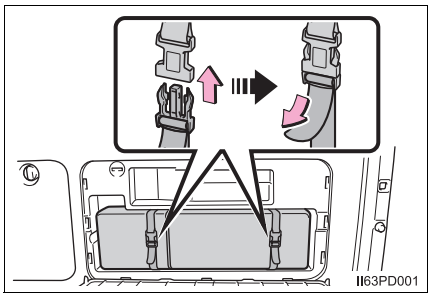
① Turn the knob clockwise.

② Open the cover.

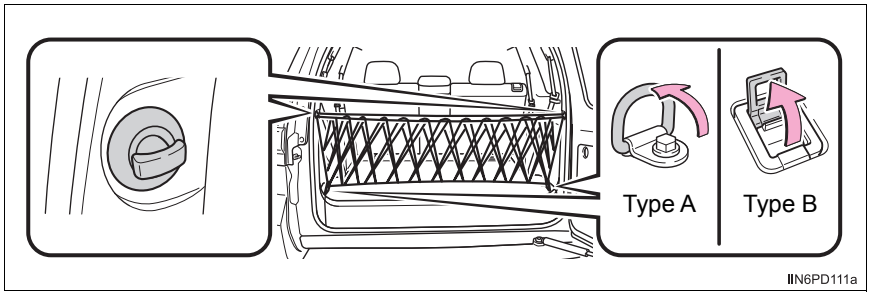


2 Secure the warning reflector.

The warning reflector itself is not included as an original equipment.



Cargo net hooks

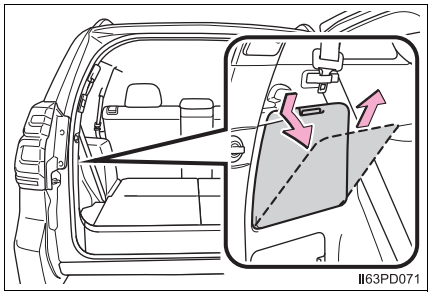


To hang the cargo net, use the cargo net hooks.

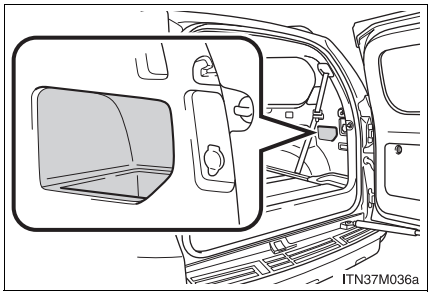
The cargo net itself is not included as an original equipment.

Auxiliary box (if equipped)

▶ Type A

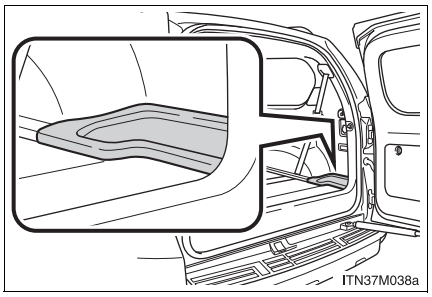


▶ Type B



Remove the cover.

Auxiliary tray (if equipped)



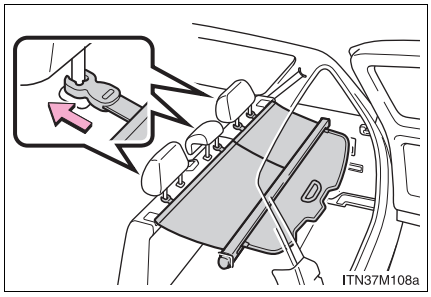
Luggage cover (if equipped)

■ Installing the luggage cover

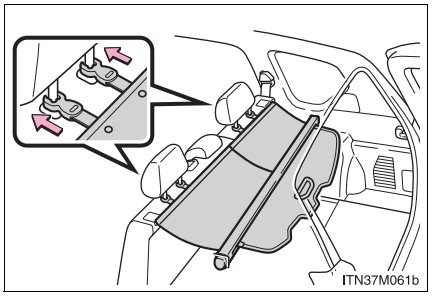
1 Attach the hooks to the head restraints.

Vehicles with the third seats: When using the luggage cover, the third seat must be fold down. (→P. 203, 205)

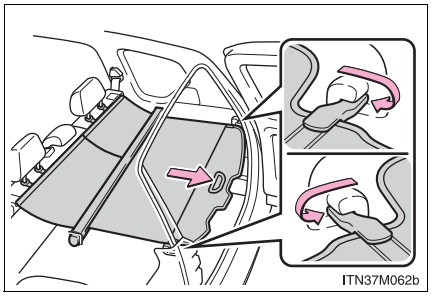
▶ 3-doors models



▶ 5-doors models



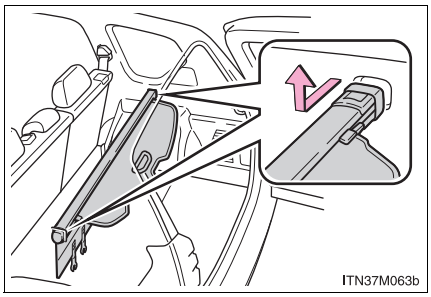
2 Pull out the luggage cover and hook it on the anchors.



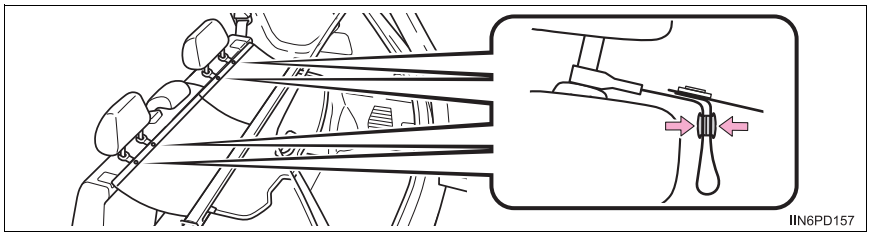
■ Removing the luggage cover

Retract the cover and release both ends, then lift it out.

After removing the luggage cover, place it somewhere other than the passenger compartment.



■ Adjusting the sub cover (if equipped)



Fasten the button when the second seats are in the rear-most position.

Unfasten the buttons before sliding the second seats forward.

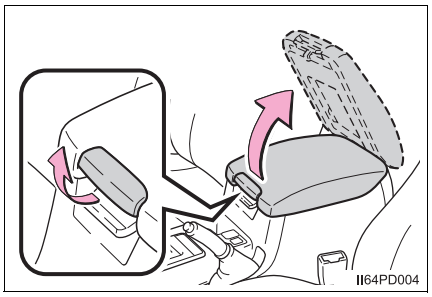
⚠ WARNING

- To avoid injury, always return the cargo hooks to their stowed positions.
- Keep the auxiliary box closed. In the event of sudden braking or sudden swerving, an accident may occur due to an occupant being struck by an open auxiliary box or the items stored inside.
- Do not allow children to climb on the luggage cover. Climbing on the luggage cover could result in damage to the luggage cover, possibly causing death or serious injury to the child.

Other interior features

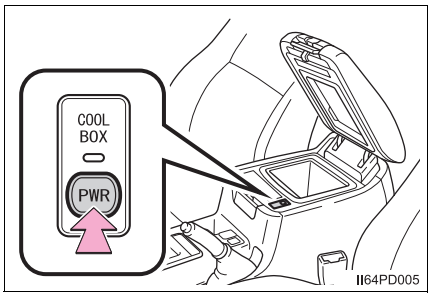
Cool box (if equipped)

1 Lift the lid while pulling up the knob to release the lock.



2 Turns the cool box on/off

When on, the indicator light comes on.



■ **The cool box can be operated when**

▶ Vehicles with a manual air conditioning system

Vehicles without a smart entry & start system:

The engine switch is in the “ON” position, and the front air conditioning system is turned on.

Vehicles with a smart entry & start system:

The engine switch is in IGNITION ON mode, and the front air conditioning system is turned on.

▶ Vehicles with an automatic air conditioning system

Vehicles without a smart entry & start system:

The engine switch is in the “ON” position.

Vehicles with a smart entry & start system:

The engine switch is in IGNITION ON mode.

■ **If the front air conditioning system is not in use when the cool box is turned on (vehicles with an automatic air conditioning system)**

The front air conditioning system is automatically turned on.

■ **Items unsuitable for the cool box**

- Drinks in unsealed containers
- Fragile items, perishables or anything with strong odor
- Owner's manual, electronic devices, CDs, etc.

■ **When the indicator light flashes**

The cool box is not operated when any of the following conditions occurs.

- When the air conditioning system is off

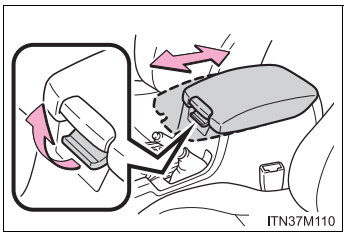
  Turn the air conditioning system on also turns on the cool box.

- When outside air temperature is about 0°C (32°F) or below

If the indicator light continues to flash, there may be a malfunction in the system. Turn the air conditioning system off and have it inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **When using the cool box lid as an armrest**

Slide the cool box lid forward or backward as needed. Slide the lid while pulling up the lever to release the lock.



⚠ WARNING

Keep the cool box closed. In the event of sudden braking or sudden swerving, an accident may occur due to an occupant being struck by the open cool box or the items stored inside.

⚠ NOTICE

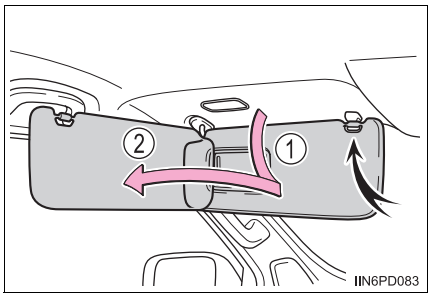
To prevent battery discharge, do not leave the cool box on longer than necessary when the engine is stopped.

Sun visors

▶ Type A

① To set the visor in the forward position, flip it down.

② To set the visor in the side position, flip down, unhook, and swing it to the side.

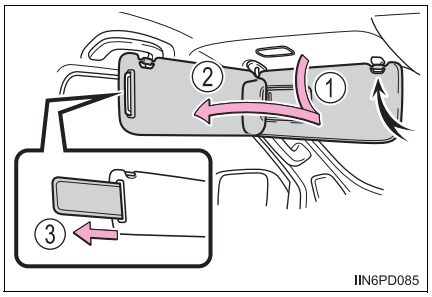


▶ Type B

① To set the visor in the forward position, flip it down.

② To set the visor in the side position, flip down, unhook, and swing it to the side.

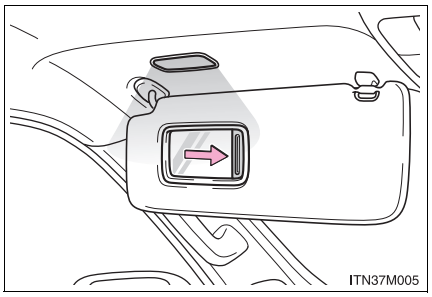
③ To use the side extender, place the visor in the side position, then slide it backward.



Vanity mirror

Slide the cover to open.

The light turns on when the cover is opened.



If the vanity lights remain on when the engine switch is turned off, the lights will go off automatically after 20 minutes.

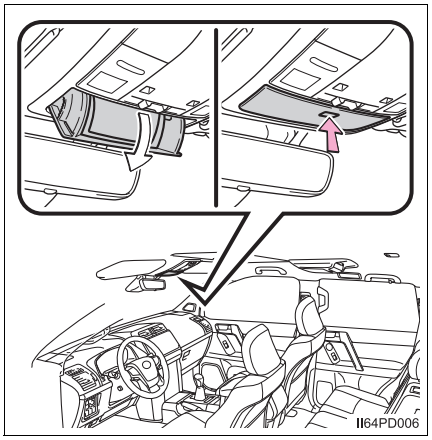
NOTICE

To prevent battery discharge, do not leave the vanity lights on for extended periods when the engine is not running.

Conversation mirror

The conversation mirror can provide the driver and the front passenger with a view of the rear seat area without the need to turn around.

Press in the button.



To use the overhead console when the conversation mirror is open, further extend down the lid. (→P. 571)

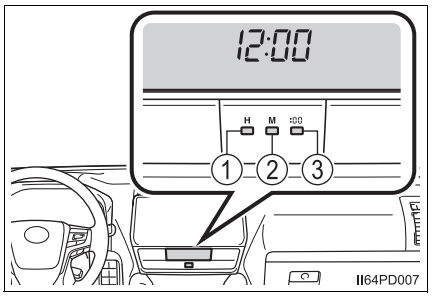
Clock

① Adjusts the hours

② Adjusts the minutes

③ Rounds the nearest hour*

*: e.g. 1:00 to 1:29 → 1:00
1:30 to 1:59 → 2:00



■ **The clock is displayed when**

▶ Vehicles without a smart entry & start system

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

▶ Vehicles with a smart entry & start system

The engine switch is in ACCESSORY or IGNITION ON mode.

■ **When disconnecting and reconnecting battery terminals**

The clock data will be reset.

Power outlet

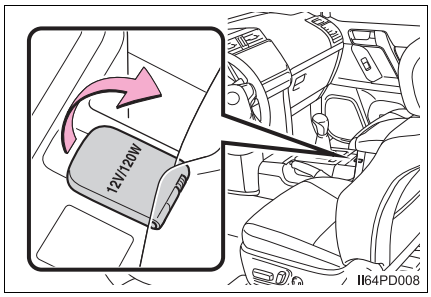
The power outlet can be used for the following components:

12 V DC:
Accessories that run on less than 10 A.
Accessories that run on less than 10 A should be used when using several power outlets at the same time.

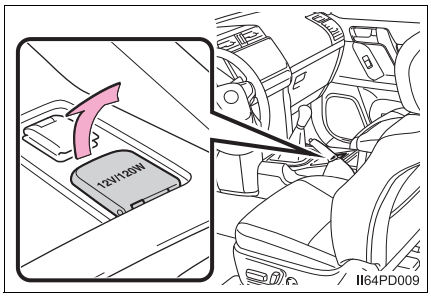
220 V AC:
Accessories that use less than 100 W.

■ Center of console (12 V DC)

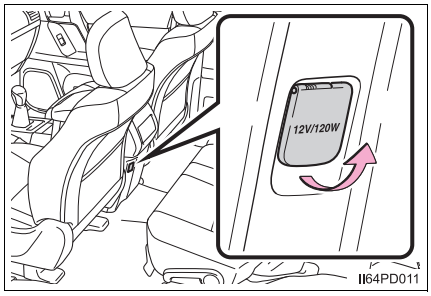
▶ Vehicles with an automatic transmission



▶ Vehicles with a manual transmission

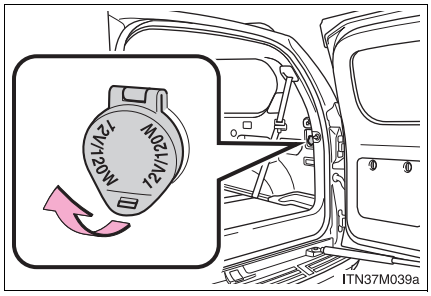


▶ Rear of console box



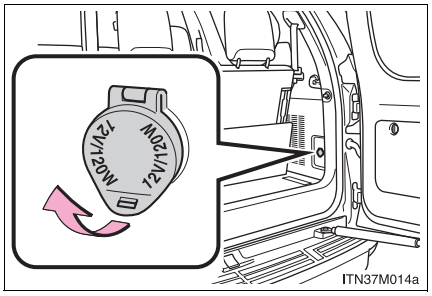
■ **Luggage compartment (12 V DC) (if equipped)**

▶ 3 door models



ITN37M039a

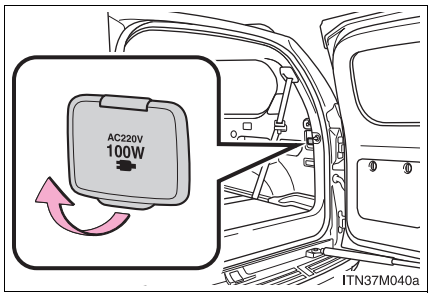
▶ 5 door models



ITN37M014a

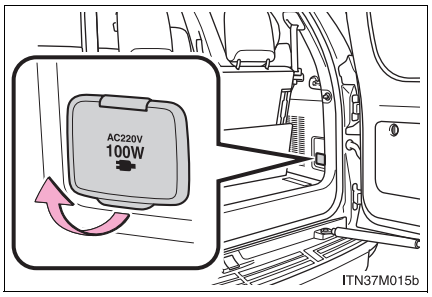
■ **Luggage compartment (220 V AC) (if equipped)**

▶ 3 door models



ITN37M040a

▶ 5 door models



ITN37M015b

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

▶ Vehicles without a smart entry & start system

12 V DC: The engine switch is in the “ACC” or “ON” position.

220 V AC: The engine switch is in the “ON” position.

▶ Vehicles with a smart entry & start system

12 V DC: The engine switch is in ACCESSORY or IGNITION ON mode.

220 V AC: The engine switch is in IGNITION ON mode.

■ **The power outlet can not be used when (220 V AC only, vehicles with 1GD-FTV engine)**

The Heated Windshield Defroster (if equipped) is operating.

NOTICE

■ **To avoid damaging the power outlet**

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

■ **To prevent blown fuse**

▶ 12 V DC

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

▶ 220 V AC

Do not use a 220 V AC appliance that requires more than 100 W.

If a 220 V AC appliance that consumes more than 100 W is used, the protection circuit will cut the power supply.

■ **To prevent battery discharge**

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

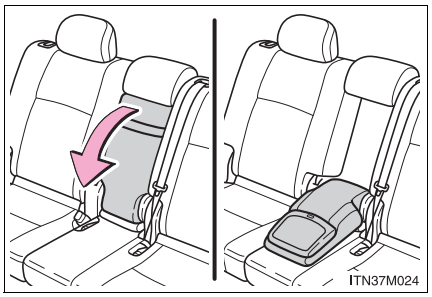
■ **Appliances that may not operate properly (220 V AC)**

The following 220 V AC appliances may not operate properly even if their power consumption is under 100 W:

- Appliances with high initial peak wattage
- Measuring devices that process precise data
- Other appliances that require an extremely stable power supply

Armrest (if equipped)

Fold down the armrest for use.

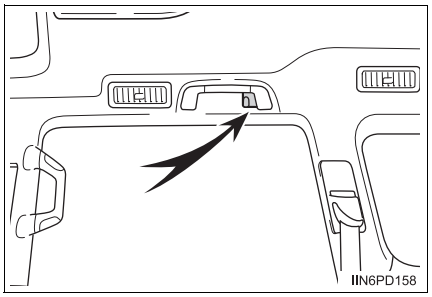


NOTICE

To prevent damage, do not apply too heavy a load on the armrest.

Coat hooks

The coat hooks are provided with the rear assist grips.



WARNING

Vehicles with SRS curtain shield airbags: Do not hang coat hangers or other hard or sharp objects on the hook. If the SRS curtain shield airbags deploy, these items may become projectiles, causing death or serious injury.

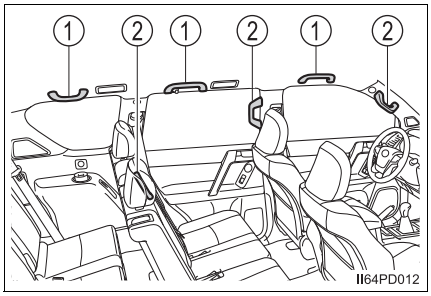
Assist grips

An assist grip (Type A) can be used to support your body while sitting on the seat.

An assist grip (Type B) can be used when getting in or out of the vehicle and others.

① Assist grip (Type A)

② Assist grip (Type B)



WARNING

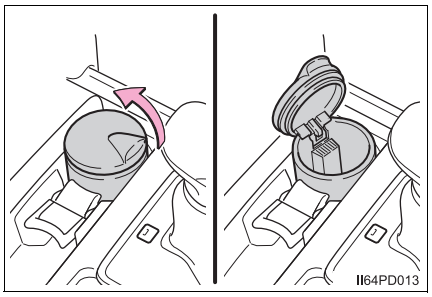
Do not use the assist grip (Type A) when getting in or out of the vehicle or rising from your seat.

NOTICE

To prevent damage, do not hang heavy objects or put a heavy load on the assist grip.

Ashtray (if equipped)

The ashtray can be installed in the auxiliary box (type E: →P. 572) or cup holder (→P. 567).



WARNING

■ When not in use

Keep the ashtray closed. In the event of sudden braking or sudden swerving, an accident may occur due to an occupant being struck by the open ashtray or ash flying out.

■ 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.

ERA-GLONASS/EVAK*1, 2

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

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

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

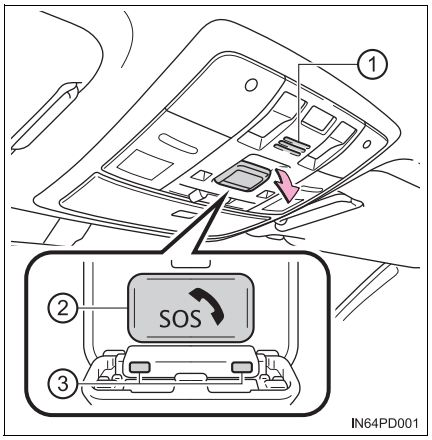
System components

① Microphone

② "SOS" button*

③ Indicator lights

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



*1: If equipped

*2: Operates within the ERA-GLONASS/EVAK coverage.
The system name differs depending on the country.

Emergency Notification Services

■ Automatic Emergency Calls

If any airbag deploys, the system is designed to automatically call the ERA-GLONASS/EVAK control center.* The answering operator receives the vehicle's location, the time of the incident and the vehicle VIN, and attempts to speak with the vehicle occupants to assess the situation. If the occupants are unable to communicate, the operator automatically treats the call as an emergency and contacts the nearest emergency services provider (112 system etc.) to describe the situation and request that assistance be sent to the location.

*: In some cases, the call cannot be made. (→P. 591)

■ Manual Emergency Calls

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

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

*: In some cases, the call cannot be made. (→P. 591)

Indicator lights

When the engine switch is turned to the “ON” position (vehicles without smart entry & start system) or IGNITION ON mode (vehicles with smart entry & start system), the red indicator light will illuminate for 10 seconds and then the green indicator light will illuminate, indicating that the system is enabled. The indicator lights indicate the following:

- If the green indicator light illuminates and stays on, the system is enabled.
- If the green indicator light flashes twice per second, an automatic or manual Emergency Call is being made.
- If no indicator lights illuminate, the system is not enabled.
- If the red indicator light illuminates at any time other than immediately after the engine switch is turned to the “ON” position (vehicles without smart entry & start system) or IGNITION ON mode (vehicles with smart entry & start system), the system may be malfunctioning or the backup battery may be depleted.
- If the red indicator light blinks for approximately 30 seconds during an Emergency Call, the call has been disconnected or the cellular network signal is weak.

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

Device test mode

A test mode is provided for to check the performance of the Emergency Call system. To test the device, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

WARNING

■ **When the Emergency Call may not be made**

- It may not be possible to make Emergency Calls in any of the following situations. In such cases, report to emergency services provider (112 system etc.) by other means such as nearby public phones.
  - Even when the vehicle is in the cellular phone service area, it may be difficult to connect to the ERA-GLONASS/EVAK control center if the reception is poor or the line is busy. In such cases, even though the system attempts to connect to the ERA-GLONASS/EVAK control center, you may not be able to connect to the ERA-GLONASS/EVAK control center to make Emergency Calls and contact emergency services.
  - When the vehicle is out of the cellular phone service area, the Emergency Calls cannot be made.
  - When any related equipment (such as the “SOS” button panel, indicator lights, microphone, speaker, DCM, antenna, or any wires connecting the equipment) is malfunctioning, damaged or broken, the Emergency Call cannot be made.
  - During an Emergency Call, the system makes repeated attempts to connect to the ERA-GLONASS/EVAK control center. However, if it cannot connect to the ERA-GLONASS/EVAK control center due to poor radio wave reception, the system may not be able to connect to the cellular network and the call may finish without connecting. The red indicator light will blink for approximately 30 seconds to indicate this disconnection.
  - This device may not function if a shock is applied to it.
- If the battery’s voltage decreases or there is a disconnection, the system may not be able to connect to the ERA-GLONASS/EVAK control center.

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

The Emergency Call system should be registered. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

WARNING

■ **For your safety**

- Please drive safely.
  The function of this system is to assist you in making the Emergency Call in case of accidents such as traffic accidents or sudden medical emergencies, and it does not protect the driver or passengers in any way. Please drive safely and fasten your seatbelts at all times for your safety.
- In case of an emergency, make lives the top priority.
- If you smell anything burning or other unusual smells, leave the vehicle and evacuate to a safe area immediately.
- Since the system detects shocks, the automatic reporting may not always occur synchronized with the operation of the airbag system. (If the vehicle is struck from behind, etc.)
- For safety, do not make the Emergency Call while driving.
  Making calls during driving may cause mishandling of the steering wheel, which may lead to unexpected accidents.
  Stop the vehicle and confirm the safety of your surroundings before making the Emergency Call.
- When changing fuses, please use the specified fuses. Using other fuses may cause ignition or smoke in the circuit and lead to a fire.
- Using the system while there is smoke or an unusual smell may cause a fire. Stop using the system immediately and consult any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

NOTICE

■ **To prevent damage**

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

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

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

Maintenance and care 7

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Cleaning and protecting the vehicle exterior

Perform the following to protect the vehicle and maintain it in prime condition:

- Working from top to bottom, liberally apply water to the vehicle body, wheel wells and underside of the vehicle to remove any dirt and dust.
- Wash the vehicle body using a sponge or soft cloth, such as a chamois.
- For hard-to-remove marks, use car wash soap and rinse thoroughly with water.
- Wipe away any water.
- Wax the vehicle when the waterproof coating deteriorates.

  If water does not bead on a clean surface, apply wax when the vehicle body is cool.

■ **Automatic car washes**

- Fold the mirrors back before washing the vehicle. Start washing from the front of the vehicle. Make sure to extend the mirrors before driving.
- Brushes used in automatic car washes may scratch the vehicle surface and harm your vehicle's paint.

■ **High pressure car washes**

- Do not allow the nozzles of the car wash to come within close proximity of the windows and the air suspension unit.
- Before using the car wash, check that the fuel filler door on your vehicle is closed properly.

■ **Aluminum wheels**

- Remove any dirt immediately by using a neutral detergent.
- Wash detergent off with water immediately after use.
- To protect the paint from damage, make sure to observe the following precautions.
  - Do not use acidic, alkaline or abrasive detergent
  - Do not use hard brushes
  - Do not use detergent on the wheels when they are hot, such as after driving or parking in hot weather

■ **Bumpers**

Do not scrub with abrasive cleaners.

■ **Notes for a smart entry & start system (if equipped)**

If the door handle becomes wet while the electronic key is within the effective range, the door may lock and unlock repeatedly. In this case, follow the following correction procedures to wash the vehicle:

- Place the electronic key in a location 2 m (6 ft.) or more away from the vehicle. (Take care to ensure that the key is not stolen.)
- Set the electronic key to battery-saving mode to disable the smart entry & start system. (→P. 171)

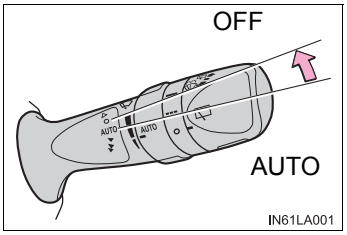
WARNING

■ **When washing the vehicle**

Do not apply water to the inside of the engine compartment. Doing so may cause the electrical components etc. to catch fire.

■ **When cleaning the windshield (vehicles with rain-sensing windshield wiper)**

Set the wiper switch to off.
If the wiper switch is in “AUTO”, the wipers may operate unexpectedly in the following situations, and may result in hands being caught or other serious injuries and cause damage to the wiper blades.



- When the upper part of the windshield where the raindrop sensor is located is touched by hand
- When a wet rag or similar is held close to the raindrop sensor
- If something bumps against the windshield
- If you directly touch the raindrop sensor body or if something bumps into the raindrop sensor

■ **Precautions regarding the exhaust pipe**

Exhaust gasses cause the exhaust pipe to become quite hot.

When washing the vehicle, be careful not to touch the pipe until it has cooled sufficiently, as touching a hot exhaust pipe can cause burns.

■ **Precautions regarding the Blind Spot Monitor (if equipped)**

If the paint of the rear bumper is chipped or scratched, the system may malfunction.
If this occurs, consult any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

NOTICE

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

- Wash the vehicle immediately in the following cases:
  - After driving near the sea coast
  - After driving on salted roads
  - If coal tar or tree sap is present on the paint surface
  - If you see dead insects, insect droppings or bird droppings on the paint
  - After driving in an area contaminated with soot, oily smoke, mine dust, iron powder or chemical substances
  - If the vehicle becomes heavily soiled in dust or mud
  - If liquids such as benzene and gasoline are spilled on the paint surface
- If the paint is chipped or scratched, have it repaired immediately.
- To prevent the wheels from corroding, remove any dirt and store in a place with low humidity when storing 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.

■ **When using an automatic car wash (vehicles with rain sensing windshield wipers)**

Set the wiper switch to the off position.
If the wiper switch is in “AUTO”, the wipers may operate and the wiper blades may be damaged.

■ **When using a high pressure car wash**

Do not bring the nozzle tip close to boots (rubber or resin manufactured cover), connectors or the following parts. The parts may be damages if they come into contact with high-pressure water.

- Traction related parts
- Steering parts
- Suspension parts
- Brake parts

Cleaning and protecting the vehicle interior

The following procedures will help protect your vehicle's interior and keep it in top condition:

Protecting the vehicle interior

- Remove dirt and dust using a vacuum cleaner. Wipe dirty surfaces with a cloth dampened with lukewarm water.
- If dirt cannot be removed, wipe it off with a soft cloth dampened with neutral detergent diluted to approximately 1 %.

  Wring out any excess water from the cloth and thoroughly wipe off remaining traces of detergent and water.

Cleaning the leather areas

- Remove dirt and dust using a vacuum cleaner.
- Wipe any excess dirt and dust with a soft cloth dampened with diluted detergent.

  Use a diluted water solution of approximately 5 % neutral wool detergent.
- Wring out any excess water from the cloth and thoroughly wipe off all remaining traces of detergent.
- Wipe the surface with a dry, soft cloth to remove any remaining moisture. Allow the leather to dry in a shaded ventilated area.

Cleaning the synthetic leather areas

- Remove dirt and dust using a vacuum cleaner.
- Wipe it off with a soft cloth dampened with neutral detergent diluted to approximately 1 %.
- Wring out any excess water from the cloth and thoroughly wipe off remaining traces of detergent and water.

■ **Caring for leather areas**

Toyota recommends cleaning the interior of the vehicle at least twice a year to maintain the quality of the vehicle's interior.

■ **Shampooing the carpets**

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

■ **Seat belts**

Clean with mild soap and lukewarm water using a cloth or sponge. Also check the belts periodically for excessive wear, fraying or cuts.

⚠ WARNING

■ **Water in the vehicle**

- Do not splash or spill liquid in the vehicle.
  Doing so may cause electrical components etc. to malfunction or catch fire.
- Do not get any of the SRS components or wiring in the vehicle interior wet. (→P. 43)
  An electrical malfunction may cause the airbags to deploy or not function properly, resulting in death or serious injury.

■ **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 the following types of detergent, as they may discolor the vehicle interior or cause streaks or damage to painted surfaces:
  - Non-seat portions: Organic substances such as benzene, alcohol or gasoline, alkaline or acidic solutions, dye, and bleach
  - Seats: Alkaline or acidic solutions, such as thinner, benzene, and alcohol
- Do not use polish wax or polish cleaner. The instrument panel's or other interior part's painted surface may be damaged.

■ **Preventing damage to leather surfaces**

Observe the following precautions to avoid damage to and deterioration of leather surfaces:

- Remove any dust or dirt from leather surfaces immediately.
- Do not expose the vehicle to direct sunlight for extended periods of time. Park the vehicle in the shade, especially during summer.
- Do not place items made of vinyl, plastic, or containing wax on the upholstery, as they may stick to the leather surface if the vehicle interior heats up significantly.

■ **Water on the floor**

Do not wash the vehicle floor with water.
Vehicle systems such as the audio system may be damaged if water comes into contact with electrical components such as the audio system above or under the floor of the vehicle. Water may also cause the body to rust.

■ **When cleaning the inside of the windshield (vehicles with Toyota Safety Sense)**

Do not allow glass cleaner to contact the lens. Also, do not touch the lens. (→P. 336)

■ **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 are essential. Toyota recommends the following maintenance:

Scheduled maintenance

Scheduled maintenance should be performed at specified intervals according to the maintenance schedule.

For full details of your maintenance schedule, refer to the “Toyota Service Booklet” or “Toyota Warranty Booklet”.

Do-it-yourself maintenance

What about do-it-yourself maintenance?

Many maintenance items are easy to do yourself if you have a little mechanical ability and a few basic automotive tools.

Note, however, that some maintenance tasks require special tools and skills. These are best performed by qualified technicians. Even if you’re an experienced do-it-yourself mechanic, we recommend that repairs and maintenance be conducted by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer. Any authorized Toyota retailer or repairer will keep a record of maintenance, which could be useful should you ever require Warranty Service. Should you choose to select a qualified and equipped professional other than an authorized Toyota repairer to service or maintain your vehicle, we recommend that you request that a record of maintenance be kept.

■ **Where to go for maintenance service?**

In order to maintain your vehicle in the best possible condition, Toyota recommends that maintenance service operations as well as other inspections and repairs be carried out by authorized Toyota retailers or Toyota authorized repairers, or any reliable repairers. For repairs and services covered by your warranty, please visit an authorized Toyota retailer or repairer, who will use genuine Toyota parts in repairing any difficulties you may encounter. There can also be advantages in utilizing authorized Toyota retailers or repairers for non-warranty repairs and services, as members of the Toyota network will be able to expertly assist you with any difficulties you may encounter.

Your Toyota retailer or Toyota authorized repairer, or any reliable repairer will perform all of the scheduled maintenance on your vehicle reliably and economically due to their experience with Toyota vehicles.

■ **Does your vehicle need repairs?**

Be on the alert for changes in performance and sounds, and visual tip-offs that indicate service is needed. Some important clues are:

- Engine missing, stumbling or pinging
- Appreciable loss of power
- Strange engine noises
- A fluid leak under the vehicle (However, water dripping from the air conditioning system after use is normal.)
- Change in exhaust sound (This may indicate a dangerous carbon monoxide leak. Drive with the windows open and have the exhaust system checked immediately.)
- Flat-looking tires, excessive tire squeal when cornering, uneven tire wear
- Vehicle pulls to one side when driven straight on a level road
- Strange noises related to suspension movement
- Loss of brake effectiveness, spongy feeling brake pedal or clutch pedal, pedal almost touches the floor, vehicle pulls to one side when braking
- Engine coolant temperature continually higher than normal (→P. 117)

If you notice any of these clues, take your vehicle to any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer as soon as possible. Your vehicle may need adjustment or repair.

WARNING

■ **If your vehicle is not properly maintained**

Improper maintenance could result in serious damage to the vehicle and possible death or serious injury.

■ **Handling of the battery**

Battery posts, terminals and related accessories contain lead and lead compounds which are known to cause brain damage. Wash your hands after handling. (→P. 620)

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. 620)	• Warm water • Baking soda • Grease • Conventional wrench (for terminal clamp bolts) • Distilled water
Engine coolant/ intercooler coolant* level (→P. 617)	• “Toyota Super Long Life Coolant” or similar high quality ethylene glycol based non-silicate, non-amine, non-nitrite and non-borate coolant with long-life hybrid organic acid technology. “Toyota Super Long Life Coolant” is pre-mixed with 50 % coolant and 50 % deionized water. • Funnel (used only for adding coolant)
Engine oil level (→P. 613)	• “Toyota Genuine Motor Oil” or equivalent • Rag or paper towel • Funnel (used only for adding engine oil)
Fuses (→P. 664)	• Fuse with same amperage rating as original
Light bulbs (→P. 668)	• Bulb with same number and wattage rating as original • Phillips-head screwdriver • Flathead screwdriver • Wrench
Radiator, condenser and intercooler* (→P. 619)	—
Tire inflation pressure (→P. 653)	• Tire pressure gauge • Compressed air source
Washer fluid (→P. 623)	• Water or washer fluid containing antifreeze (for winter use) • Funnel (used only for adding water or washer fluid)

*: If equipped

WARNING

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

■ When working on the engine compartment

- Keep hands, clothing and tools away from the moving fan and engine drive belt.
- Be careful not to touch the engine, 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, consult a doctor.

■ When working near the electric cooling fans or radiator grille

Vehicles without a smart entry & start system: Be sure the engine switch is off. With the engine switch in the “ON” position, the electric cooling fans may automatically start to run if the air conditioning is on and/or the coolant temperature is high. (→P. 619)

Vehicles with a smart entry & start system: Be sure the engine switch is off. With the engine switch in IGNITION ON mode, the electric cooling fans may automatically start to run if the air conditioning is on and/or the coolant temperature is high. (→P. 619)

■ When working on or under the vehicle

Do not get under the vehicle with just the jack supporting it.
Always use automotive jack stands or other solid supports.

■ Safety glasses

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

NOTICE

■ **If you remove the air cleaner filter**

Driving with the air cleaner filter removed may cause excessive engine wear due to dirt in the air.

■ **If the fluid level is low or high**

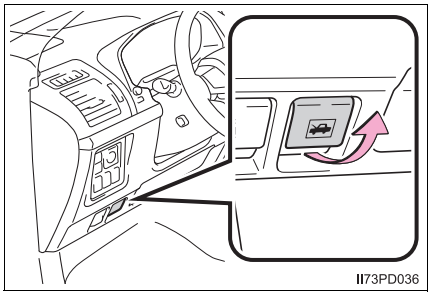
It is normal for the brake fluid level to go down slightly as the brake pads wear or when the fluid level in the accumulator is high.
If the reservoir needs frequent refilling, it may indicate a serious problem.

Hood

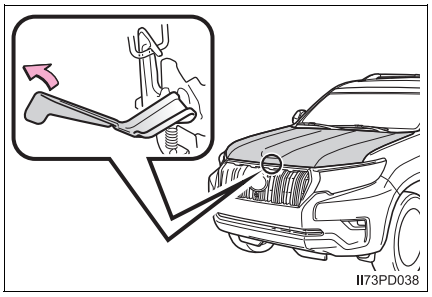
Release the lock from the inside of the vehicle to open the hood.

1 Pull the hood lock release lever.

The hood will pop up slightly.



2 Move the auxiliary catch lever to side direction and lift the hood.



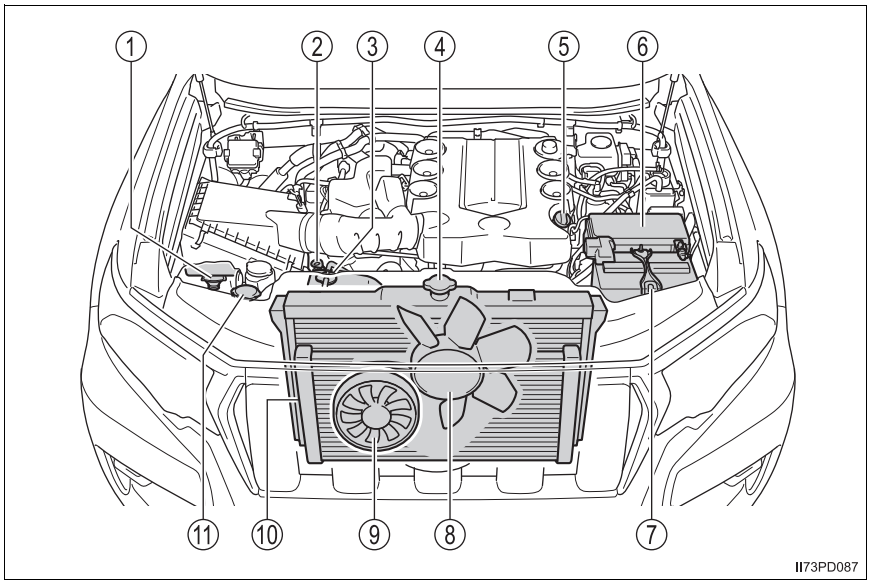
WARNING

■ Pre-driving check

Check that the hood is fully closed and locked.
If the hood is not locked properly, it may open while the vehicle is in motion and cause an accident, which may result in death or serious injury.

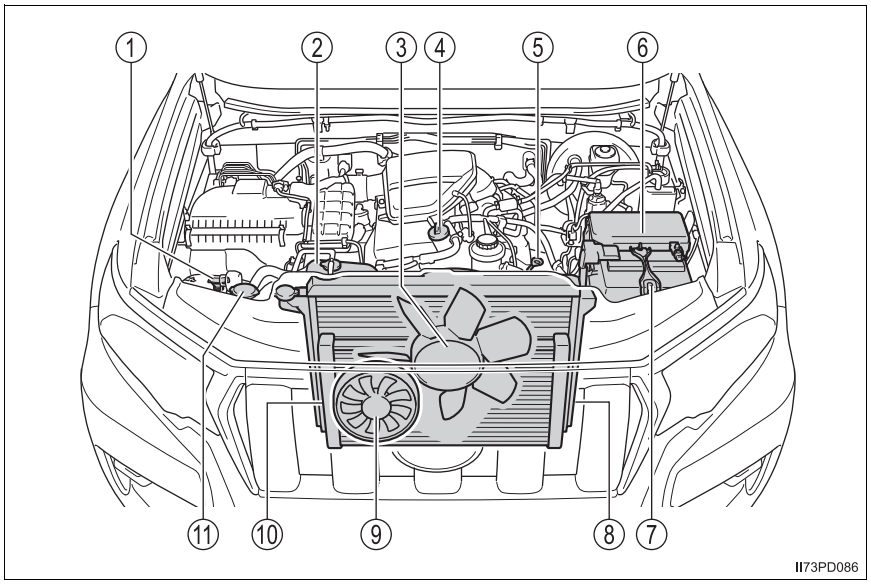
Engine compartment

▶ 1GR-FE engine



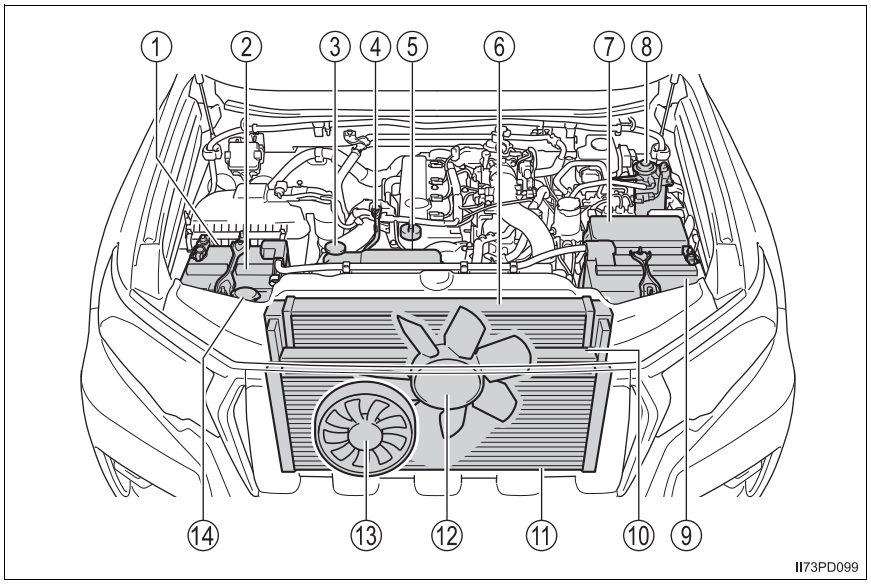
① Discharging dust valve (if equipped) (→P. 625)
② Engine oil level dipstick (→P. 613)
③ Engine coolant reservoir (→P. 617)
④ Radiator (→P. 619)
⑤ Engine oil filler cap (→P. 615)
⑥ Fuse box (→P. 664)
⑦ Battery (→P. 620)
⑧ Radiator cooling fan
⑨ Cooling fan (if equipped)
⑩ Condenser (→P. 619)
⑪ Washer fluid tank (→P. 623)

▶ 2TR-FE engine



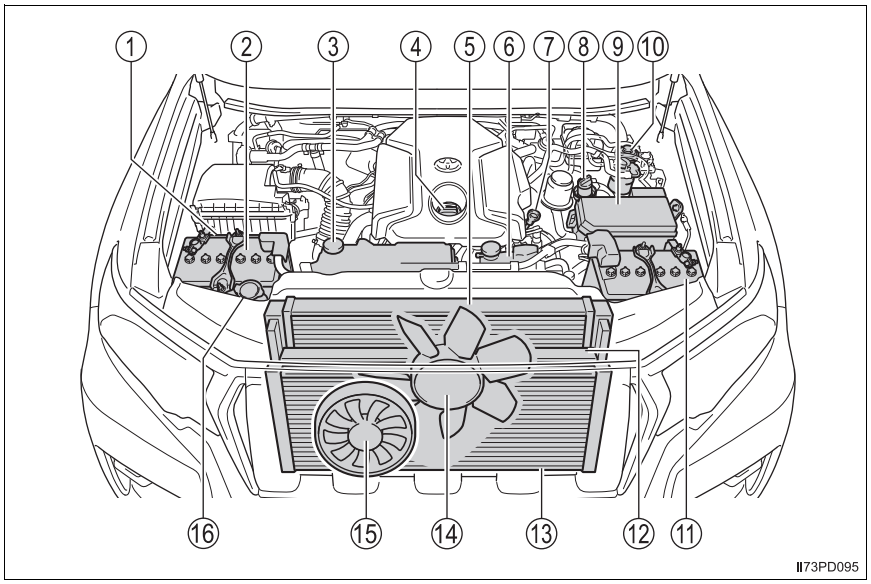
① Discharging dust valve (→P. 625)
② Engine coolant reservoir (→P. 617)
③ Radiator cooling fan
④ Engine oil filler cap (→P. 615)
⑤ Engine oil level dipstick (→P. 613)
⑥ Fuse box (→P. 664)
⑦ Battery (→P. 620)
⑧ Radiator (→P. 619)
⑨ Cooling fan (if equipped)
⑩ Condenser (→P. 619)
⑪ Washer fluid tank (→P. 623)

▶ 1KD-FTV engine



① Discharging dust valve (→P. 625)
② Sub battery (if equipped) (→P. 620)
③ Engine coolant reservoir (→P. 617)
④ Engine oil level dipstick (→P. 613)
⑤ Engine oil filler cap (→P. 615)
⑥ Radiator (→P. 619)
⑦ Fuse box (→P. 664)
⑧ Fuel filter (→P. 626, 768)
⑨ Battery (→P. 620)
⑩ Intercooler (→P. 619)
⑪ Condenser (→P. 619)
⑫ Radiator cooling fan
⑬ Cooling fan
⑭ Washer fluid tank (→P. 623)

▶ 1GD-FTV engine

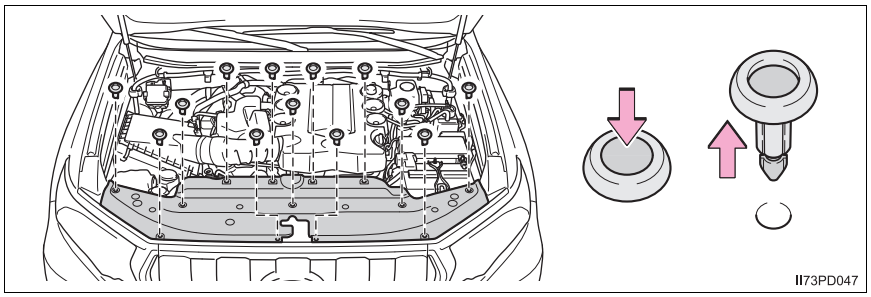


① Discharging dust valve (→P. 625)
② Sub battery (if equipped) (→P. 620)
③ Engine coolant reservoir (→P. 617)
④ Engine oil filler cap (→P. 615)
⑤ Radiator (→P. 619)
⑥ Intercooler coolant reservoir*1 (→P. 617)
⑦ Engine oil level dipstick (→P. 613)
⑧ AdBlue™ tank cap (if equipped) (→P. 627)
⑨ Fuse box (→P. 664)
⑩ Fuel filter (→P. 626, 768)
⑪ Battery (→P. 620)
⑫ Intercooler cooling radiator*1/ Intercooler*2 (→P. 619)
⑬ Condenser (→P. 619)
⑭ Radiator cooling fan
⑮ Cooling fan
⑯ Washer fluid tank (→P. 623)

*1: Vehicles with watercooled intercooler
*2: Vehicles without watercooled intercooler

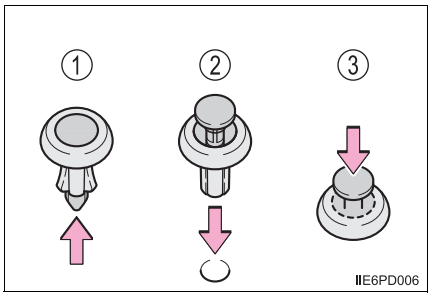
Engine compartment cover

■ Removing the engine compartment cover



■ Installing the clips

① Push up center portion
② Insert
③ Press



NOTICE

■ After installing an engine compartment cover

Make sure the cover is securely installed in its original position.

Engine oil

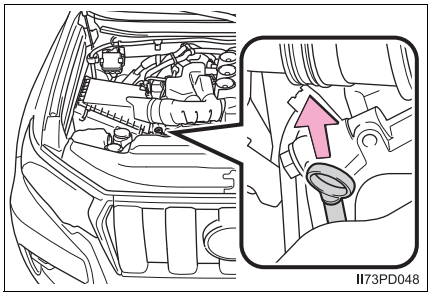
With the engine at operating temperature and turned off, check the oil level on the dipstick.

■ Checking the engine oil

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

2 Remove the sand and dust from around the dipstick.

3 Holding a rag under the end, pull the dipstick out.



4 Wipe the dipstick clean.

5 Reinsert the dipstick fully.

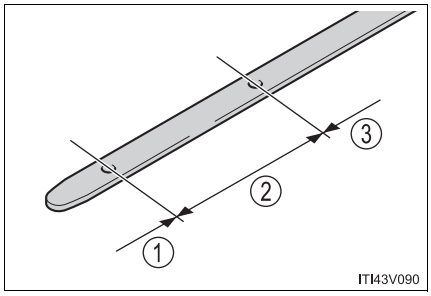
6 Holding a rag under the end, pull the dipstick out and check the oil level.

① Low

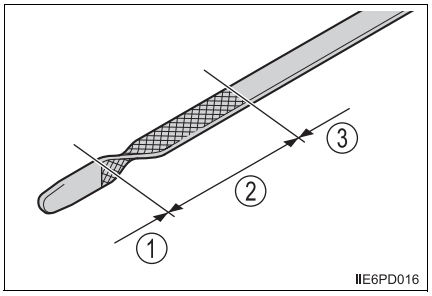
② Normal

③ Excessive

▶ Type A



▶ Type B

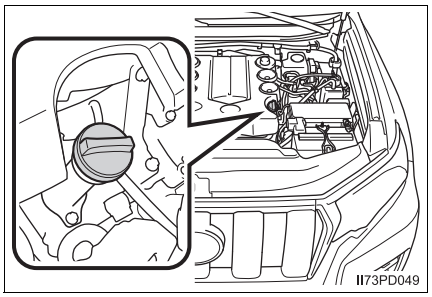


The shape of the dipstick may differ depending on the type of vehicle or engine.

7 Wipe the dipstick and reinsert it fully.

■ Adding engine oil

If the oil level is below or near the low level mark, add engine oil of the same type as already in the engine.



Make sure to check the oil type and prepare the items needed before adding oil.

Engine oil selection		→P. 780
Oil quantity (Low → Full)	1GR-FE engine	1.7 L (1.8 qt., 1.5 Imp.qt.)
	2TR-FE engine	1.5 L (1.6 qt., 1.3 Imp.qt.)
	1KD-FTV engine	1.3 L (1.4 qt., 1.1 Imp.qt.)
	1GD-FTV engine	1.2 L (1.3 qt., 1.1 Imp.qt.)
Items		Clean funnel

1 Remove the sand and dust from around the oil filler cap.

2 Remove the oil filler cap by turning it counterclockwise.

3 Add engine oil slowly, checking the dipstick.

4 Install the oil filler cap by turning it clockwise.

■ **Engine oil consumption**

A certain amount of engine oil will be consumed while driving. In the following situations, oil consumption may increase, and engine oil may need to be refilled in between oil maintenance intervals.

- When the engine is new, for example directly after purchasing the vehicle or after replacing the engine
- If low quality oil or oil of an inappropriate viscosity is used
- When driving at high engine speeds or with a heavy load, when towing, or when driving while accelerating or decelerating frequently
- When leaving the engine idling for a long time, or when driving frequently through heavy traffic

■ **After changing the engine oil (1GD-FTV engine only)**

The oil maintenance data should be reset. Perform the following procedures:

1. Switch the display to the trip meter “A” when the engine is running. (→P. 116)
2. Turn the engine switch off.
3. While pressing the “ODO TRIP” button (→P. 116), set the engine switch to IGNITION ON mode (but do not start the engine because otherwise the reset mode will be canceled). Continue to press and hold the button until the multi-information display indicates that the reset is complete.

⚠ WARNING

■ **Used engine oil**

- Used engine oil contains potentially harmful contaminants which may cause skin disorders such as inflammation or skin cancer, so care should be taken to avoid prolonged and repeated contact. To remove used engine oil from your skin, wash thoroughly with soap and water.
- Dispose of used oil and filters only in a safe and acceptable manner. Do not dispose of used oil and filters in household trash, in sewers or onto the ground. Call any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer, 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, or the engine could be damaged.
- Check the oil level on the dipstick every time you refill the vehicle.
- Be sure the engine oil filler cap is properly tightened.

Coolant

■ Engine coolant reservoir

▶ Gasoline engine

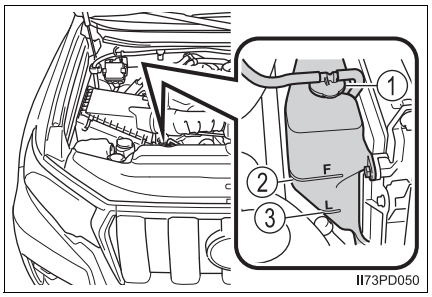
The coolant level is satisfactory if it is between the “F” and “L” lines on the reservoir when the engine is cold.

① Reservoir cap

② “F” line

③ “L” line

If the level is on or below the “L” line, add coolant up to the “F” line.



▶ Diesel engine

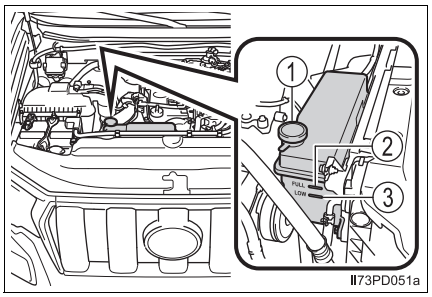
The coolant level is satisfactory if it is between the “FULL” and “LOW” lines on the reservoir when the engine is cold.

① Reservoir cap

② “FULL” line

③ “LOW” line

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



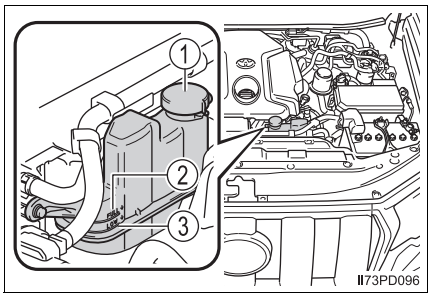
■ Intercooler coolant reservoir (1GD-FTV engine with water-cooled intercooler)

① Reservoir cap

② “FULL”

③ “LOW”

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



■ Coolant selection

Only use “Toyota Super Long Life Coolant” or a similar high quality ethylene glycol based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology.

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

For more details about coolant, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ If the coolant level drops within a short time of replenishing

Visually check the radiator, hoses, engine coolant reservoir cap, radiator cap (if equipped), intercooler coolant reservoir cap (if equipped), drain cock and water pump. If you cannot find a leak, have any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer test the caps and check for leaks in the cooling system.

WARNING

When the engine is hot

Do not remove the radiator cap (if equipped), or the coolant reservoir cap. The cooling system may be under pressure and may spray hot coolant if the cap is removed, causing serious injuries, such as burns.

NOTICE

When adding coolant

Coolant is neither plain water nor straight antifreeze. The correct mixture of water and antifreeze must be used to provide proper lubrication, corrosion protection and cooling. Be sure to read the antifreeze or coolant label.

If you spill coolant

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

Radiator, condenser and intercooler

Check the radiator, condenser and intercooler (if equipped) and clear any foreign objects. If any of the above parts are extremely dirty or you are not sure of their condition, have your vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

WARNING

When the engine is hot

Do not touch the radiator, condenser or intercooler as they may be hot and cause serious injuries, such as burns.

Battery

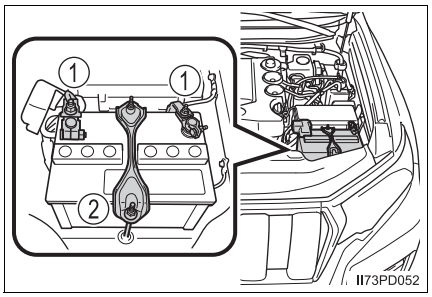
Check the battery as follows.

■ 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



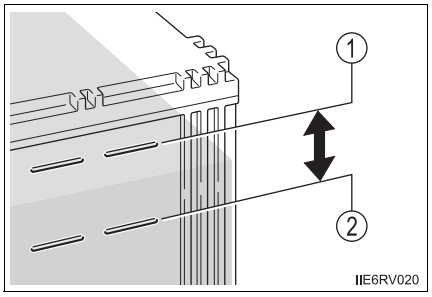
■ Checking battery fluid

Check that the level is between the “UPPER LEVEL” and “LOWER LEVEL” lines.

① “UPPER LEVEL” line

② “LOWER LEVEL” line

If the fluid level is at or below the “LOWER LEVEL” line, add distilled water.

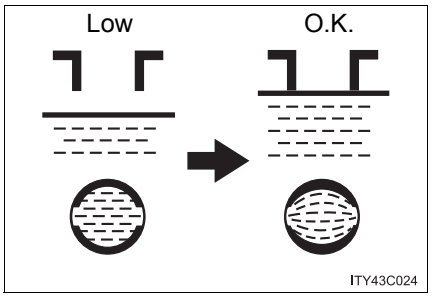


■ Adding distilled water

1 Remove the vent plug.

2 Add distilled water.

If the “UPPER LEVEL” line cannot be seen, check the fluid level by looking directly at the cell.



3 Put the vent plug back on and close securely.

■ **Handling of the sub battery (if equipped)**

- Vehicles with a sub battery have the same 12-volt specification as vehicles without a sub battery.
- When replacing the sub battery, replace it with a battery that is the same brand and specification as the previous one, and replace the sub battery at the same time as the main battery.
- When disconnecting, be sure to disconnect both negative terminals on the two batteries.

■ **Before recharging**

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

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

■ **After recharging/reconnecting the battery (vehicles with a smart entry & start system)**

The engine may not start. Follow the procedure below to initialize the system.

1. Shift the shift lever to P (automatic transmission) or depress the brake pedal with the shift lever in N (manual transmission).
2. Open and close any of the doors.
3. Restart the engine.

- Unlocking the doors using the smart entry & start system may not be possible immediately after reconnecting the battery. If this happens, use the wireless remote control or the mechanical key to lock/unlock the doors.
- Start the engine with the engine switch in ACCESSORY mode. The engine may not start with the engine switch turned off. However, the engine will operate normally from the second attempt.
- The engine switch mode is recorded by the vehicle. If the battery is reconnected, the vehicle will return the engine switch mode to the status it was in before the battery was disconnected. Make sure to turn off the engine before disconnect the battery. Take extra care when connecting the battery if the engine switch mode prior to discharge is unknown.

If the system will not start even after multiple attempts, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

WARNING

■ **Chemicals in the battery**

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

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

■ **Where to safely charge the battery**

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

■ **Emergency measures regarding electrolyte**

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

NOTICE

When recharging the battery

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

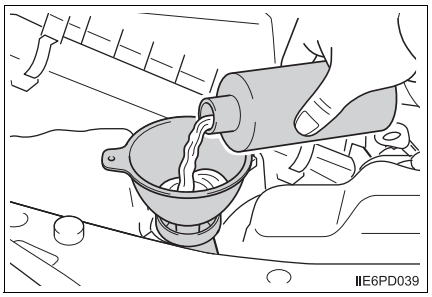
When adding distilled water

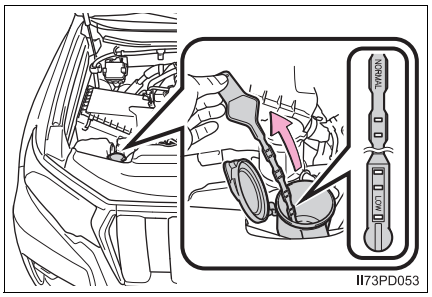
Avoid overfilling. Water spilled during battery recharging may cause corrosion.

Washer fluid

Add washer fluid in any of the following situations:

- A washer does not work.
- The low washer fluid warning light comes on (vehicles with multi-information display type A:→P. 700)
- “Windshield Washer Fluid Low” appears on the multi-information display (vehicles with multi-information display type B)
- The washer fluid level is at “LOW”

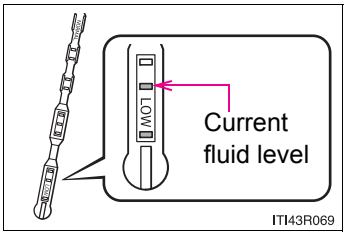




Using the gauge (if equipped)

The washer fluid level is checked by observing the position of the level on the liquid covered holes in the gauge.

If the level falls below the second hole from the bottom (“LOW” position), refill the washer fluid.



WARNING

When adding washer fluid

Do not add washer fluid when the engine is hot or running as washer fluid contains alcohol and may catch fire if spilled on the engine etc.

NOTICE

Do not use any fluid other than washer fluid

Do not use soapy water or engine antifreeze instead of washer fluid.
Doing so may cause streaking on the vehicle’s painted surfaces, as well as damaging the pump leading to problems of washer fluid not spraying.

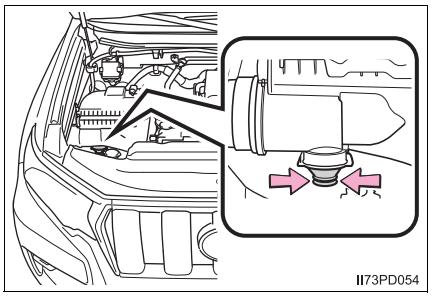
Diluting washer fluid

Dilute washer fluid with water as necessary.
Refer to the freezing temperatures listed on the label of the washer fluid bottle.

Discharging dust valve (if equipped)

Squeeze the rubber cap to remove the dust if the discharging dust valve is dirty.

Shape of the valve differs slightly in accordance with the engine.



NOTICE

To prevent damaging the engine

Do not drive with the discharging dust valve removed. Doing so causes excessive engine wear.

Draining the fuel filter water (diesel engine only)

The water in the fuel filter must be drained immediately if the following symptom occurs:

▶ Vehicles with the multi-information display type A

The fuel system warning light flashes and buzzer sounds or the fuel filter warning light comes on.

▶ Vehicles with the multi-information display type B

When the warning message “DRAIN WATER FROM FUEL FILTER” appears on the instrument cluster and buzzer* sounds.

*: On some models

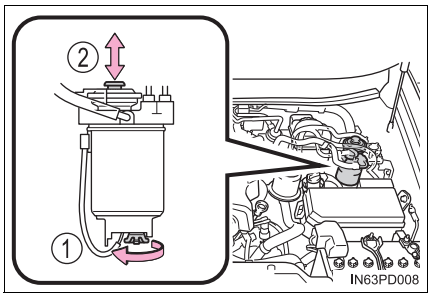
1 Remove the drain plug from the clamp and place a small tray to catch the water.

2 Perform the draining as shown in the illustration.

① Turn the drain plug about 2-2-1/2 turns.

Loosening more than this will cause water oozing from around the drain plug.

② Operate the priming pump until the fuel begins to run out.



3 After draining, retighten the drain plug. Do not use a tool.

AdBlue™ (if equipped)

AdBlue™ is used to reduce the amount of nitrogen oxides in exhaust gas. AdBlue™ is consumed in the process of driving. Therefore, observe the following precautions.

- 1 L (1.1 qt., 0.9 Imp.qt.) of AdBlue™ is consumed every 700 km (435 miles). Normally, after a full refill, the vehicle can be driven for approximately 8000 km (4971 miles) before all AdBlue™ is depleted.
  However, AdBlue™ may become completely depleted sooner depending on driving conditions.
- When the possible driving range based on the remaining amount of AdBlue™ reaches approximately 2400 km (1491 miles), the low AdBlue™ level warning light turns on and a warning message is displayed.
- When AdBlue™ is depleted, the engine cannot be restarted.
- If AdBlue™ is accidentally spilled while refilling, vehicle parts, paint, etc. may be damaged.

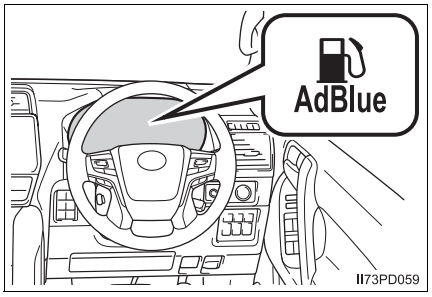
When AdBlue™ needs to be refilled, have it refilled at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

It may be a criminal offence to use a vehicle that does not consume any reagent if it is required for the reduction of emissions.

■ AdBlue™ warning light and warning message

When AdBlue™ is low, the low AdBlue™ level warning light turns on and a warning message appears on the multi-information display. (→P. 628)

When refilling AdBlue™ by yourself in an emergency, be sure to follow the correct refill procedures. (→P. 630)



■ **Warning message**

If the following warning message is displayed on the multi-information display, follow the appropriate troubleshooting procedure.

Warning message	Details/Actions
"Fill up AdBlue in 2400 km* See owner's manual"	**AdBlue™ needs to be refilled** **→ Have AdBlue™ refilled at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.**
"AdBlue level low No start in 800 km*! Fill up AdBlue See owner's manual"	**AdBlue™ needs to be refilled** **The warning buzzer sounds.** **If the displayed driving distance is exceeded, the engine cannot be restarted.** **→ Have AdBlue™ refilled at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.**
"AdBlue empty Unable to restart engine Fill up AdBlue See owner's manual"	**AdBlue™ needs to be refilled** **The warning buzzer sounds.** **→ If the engine is stopped, it cannot be restarted.** **Without stopping the engine, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.**

*: When the vehicle is used at high elevations, suddenly accelerated or continuously driven at high speeds, the actual driving range will be shorter. In this case, immediately refill AdBlue™.

■ **Refilling AdBlue™**

- Use AdBlue™ (compliant with ISO 22241-1).
  AdBlue™ is a trademark of the German Association of the Automotive Industry (VDA).
- Before driving for a long period of time in an area where AdBlue™ cannot be refilled, consult any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **Possible driving range of AdBlue™-related warning message**

Use the possible driving range as a reference. The possible driving range that is displayed may differ from the actual driving range depending on the refill method, driving conditions and driving environment.

NOTICE

When AdBlue™ is low

When AdBlue™ is depleted, the engine cannot be restarted.
Be sure to have AdBlue™ refilled at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer before it is completely depleted.

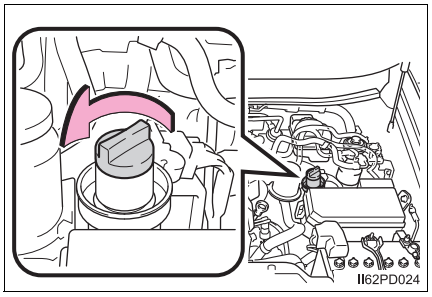
Refilling AdBlue™ by yourself in an emergency (if equipped)

When the engine cannot be restarted due to the depletion of AdBlue™, adding approximately 5.2 L (5.5 qt., 4.6 Imp.qt.) or more of AdBlue™ will allow the engine to be started again. Perform the following procedures to refill AdBlue™. (The AdBlue™ tank has a capacity of 12.1 L [12.7 qt., 10.6 Imp.qt.].)

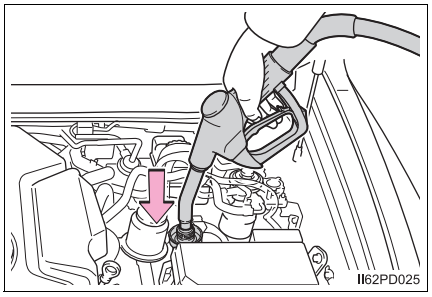
▶ Refilling with the refilling equipment

1 Park the vehicle on a level surface, turn the engine switch off, and then open the hood. (→P. 607)

2 Open the AdBlue™ tank cap.

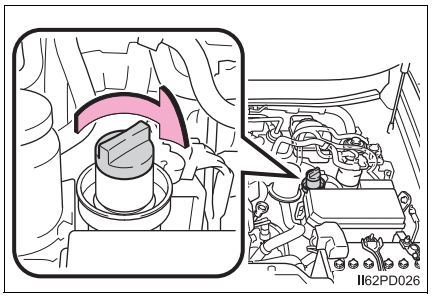


3 Insert the nozzle and refill AdBlue™.



4 Close the AdBlue™ tank cap.

Turn the cap until you hear a click.



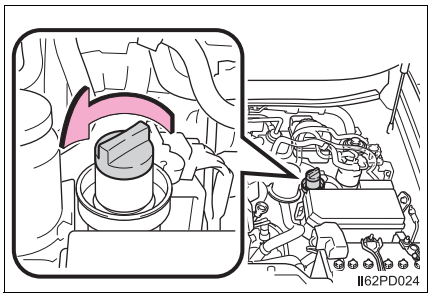
5 Check that the engine starts.

Confirm that the low AdBlue™ level warning light has turned off and warning message has disappeared.

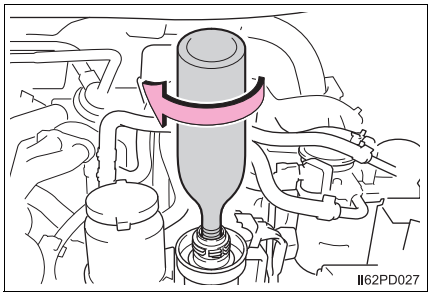
▶ Refilling with the bottle

1 Park the vehicle on a level surface, turn the engine switch off, and then open the hood. (→P. 607)

2 Open the AdBlue™ tank cap.

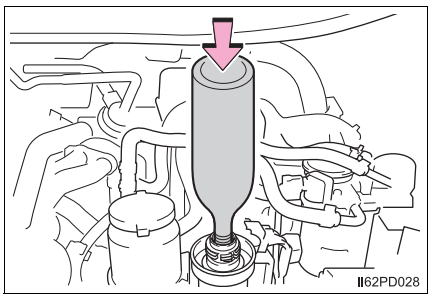


3 Insert a bottle of AdBlue™ and fully tighten it.



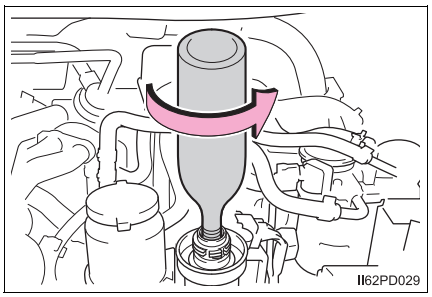
4 Push down on the bottle.

AdBlue™ will begin to refill. Refill AdBlue™ slowly so that it does not spill. Do not remove the bottle until it is empty.



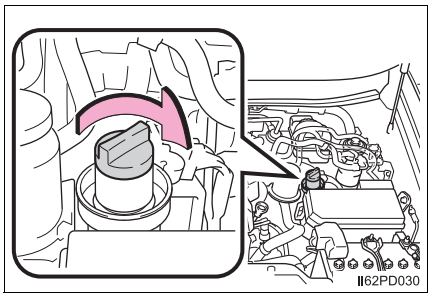
5 Check that no AdBlue™ remains in the bottle, and then remove it.

Repeat steps 3 to 5 until approximately 5.2 L (5.5 qt., 4.6 Imp.qt.) or more of AdBlue™ have been refilled.



6 Close the AdBlue™ tank cap.

Turn the cap until you hear a click.



7 Check that the engine starts.

Confirm that the low AdBlue™ level warning light has turned off and warning message has disappeared.

The way of refilling may differ from those shown in the illustration.

■ **When refilling AdBlue™**

After refilling AdBlue™, the engine may take a few seconds longer than normal to start.

NOTICE

When refilling AdBlue™

Observe the following precautions.
Failure to do so may result in damage to the vehicle parts, paint, etc.

- Do not use urea solution other than AdBlue™.
- If AdBlue™ comes into contact with any painted surfaces on the vehicle, immediately wash the affected areas with water.
- If AdBlue™ is spilled inside the engine compartment, immediately wipe it with a wet cloth.

When refilling AdBlue™ with the refilling equipment

Observe the following precautions to prevent AdBlue™ overflowing from the AdBlue™ tank:

- Securely insert the nozzle into the AdBlue™ filler neck.
- Stop filling the tank after the nozzle automatically clicks off.
- Do not top off the AdBlue™ tank.

When storing AdBlue™

Observe the following precautions.
Failure to do so may result in damage to vehicle parts, paint, etc., and changes in the chemical compounds of AdBlue™ may cause unpleasant odors.

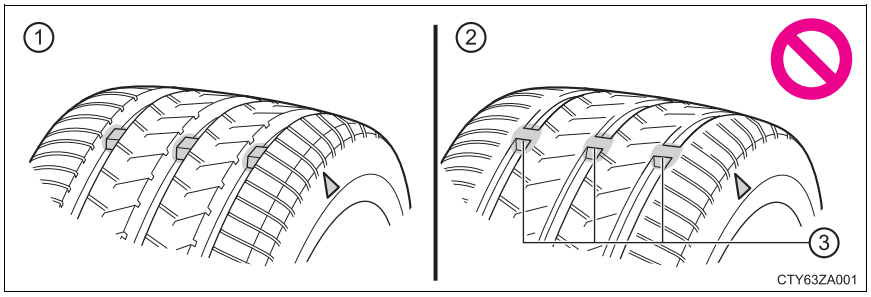
- Do not leave AdBlue™ inside the vehicle.
- Tightly seal AdBlue™ containers and store them in a cool, dry location with good ventilation and no exposure to direct sunlight.

Tires

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

Checking tires

Check if the treadwear indicators are showing on the tires. Also check the tires for uneven wear, such as excessive wear on one side of the tread.
Check the spare tire condition and pressure if not rotated.



① New tread

② Worn tread

③ Treadwear indicator

The location of treadwear indicators is shown by the “TWI” or “△” marks, etc., molded on the sidewall of each tire.

Replace the tire if the treadwear indicators are showing on a tire.

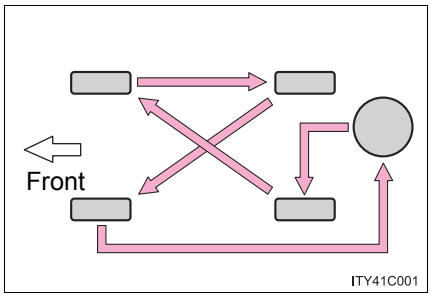
Tire rotation

Rotate the tires in the order shown.

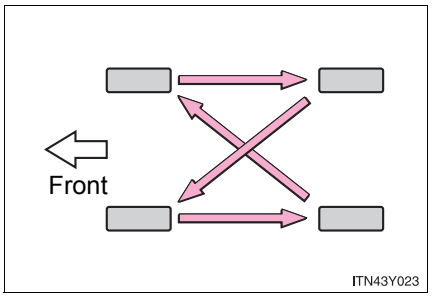
To equalize tire wear and help extend tire life, Toyota recommends that you rotate your tires approximately every 5000 km (3000 miles).

Vehicles with the tire pressure warning system: Do not fail to initialize the tire pressure warning system after tire rotation.

- Vehicles with a standard spare tire



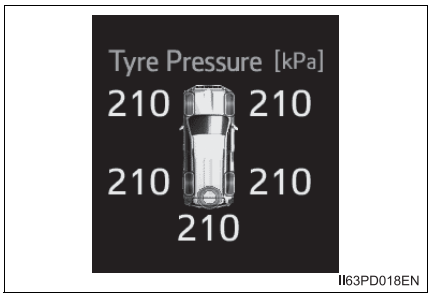
- Vehicles with an emergency tire puncture repair kit



Tire pressure warning system (if equipped)

Your vehicle is equipped with a tire pressure warning system that uses tire pressure warning valves and transmitters to detect low tire inflation pressure before serious problems arise.

- If the tire pressure drops below a predetermined level, the driver is warned by a warning light. (→P. 699)
- Vehicles with the multi-information display type B: The tire pressure detected by the tire pressure warning system can be displayed on the multi-information display.



◆ Installing tire pressure warning valves and transmitters

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

When new tire pressure warning valves and transmitters are installed, new ID codes must be registered in the tire pressure warning computer and the tire pressure warning system must be initialized. (→P. 638)

◆ Initializing the tire pressure warning system

■ The tire pressure warning system must be initialized in the following circumstances:

- When changing the tire size.
- When rotating the tires.
- When the tire inflation pressure is changed such as when changing load weight.
- After registering the ID codes.(→P. 638)

When the tire pressure warning system is initialized, the current tire inflation pressure is set as the benchmark pressure.

■ **How to initialize the tire pressure warning system**

1 Park the vehicle in a safe place and turn the engine switch to the “LOCK” position (vehicles without a smart entry & start system) or off (vehicles with a smart entry & start system).

Initialization cannot be performed while the vehicle is moving.

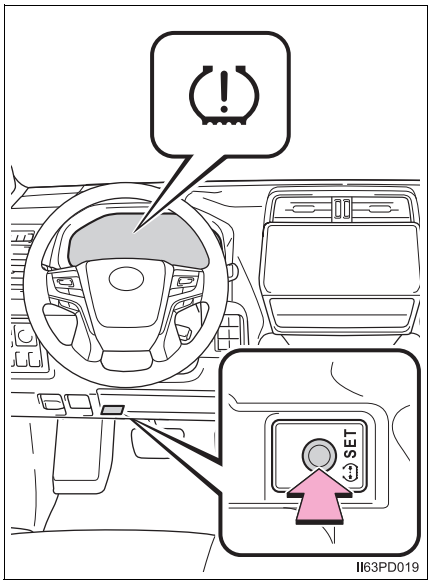
2 Adjust the tire inflation pressure to the specified cold tire inflation pressure level. (→P. 803)

Make sure to adjust the tire pressure to the specified cold tire inflation pressure level. The tire pressure warning system will operate based on this pressure level.

3 Turn the engine switch to the “ON” position (vehicles without a smart entry & start system) or IGNITION ON mode (vehicles with a smart entry & start system).

4 Press and hold the tire pressure warning reset switch until the tire pressure warning light blinks 3 times.

Vehicles with the multi-information display type B: “- -” will be displayed for inflation pressure of each tire on the multi-information display while the tire pressure warning system determines the position of each tire. When position of each tire is determined, the inflation pressure of each tire will be displayed on the multi-information display.



5 Drive the vehicle at approximately 40 km/h (25 mph) or more for approximately 10 to 30 minutes.

Vehicles with the multi-information display type B: When initialization is complete, the inflation pressure of each tire will be displayed on the multi-information display.

Depending on the vehicle and driving conditions, initialization may take up to approximately 1 hour to complete.

◆ 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. When registering the ID codes, perform the following procedure:

■ How to register the ID codes

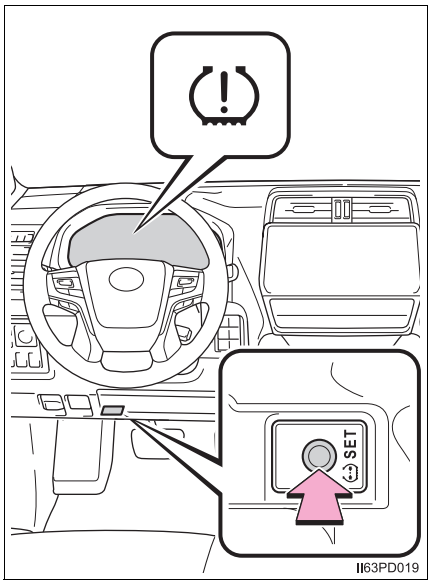
1 Turn the engine switch to the “ON” position (vehicles without a smart entry & start system) or IGNITION ON mode (vehicles with a smart entry & start system).

2 Press the tire pressure warning reset switch briefly 3 times in succession.

The tire pressure warning light blinks slowly 3 times.
The change wheel set mode is activated and registration is started.

Vehicles with the multi-information display type B: “--” is displayed for inflation pressure of each tire on the multi-information display.

Then, the tire pressure warning light blinks rapidly for approximately 1 minute and stays on.



3 Drive the vehicle at approximately 40 km/h (25mph) or more for approximately 10 to 30 minutes.

Vehicles with the multi-information display type B: When registration is completed, the tire pressure warning light will go off and the inflation pressure of each tire will be displayed on the multi-information display.

The time elapsed before registration is completed differs according to the driving condition and environment.

■ **When to replace your vehicle's tires**

Tires should be replaced if:

- The treadwear indicators are showing on a tire.
- You have tire damage such as cuts, splits, cracks deep enough to expose the fabric, and bulges indicating internal damage
- A tire goes flat repeatedly or cannot be properly repaired due to the size or location of a cut or other damage

If you are not sure, consult with any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **Replacing tires and wheels (vehicles with the tire pressure warning system)**

If the ID code of the tire pressure warning valve and transmitter is not registered, the tire pressure warning system will not work properly. After driving for about 10 minutes, the tire pressure warning light blinks for 1 minute and stays on to indicate a system malfunction.

■ **Tire life**

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

■ **Routine tire inflation pressure checks (vehicles with the tire pressure warning system)**

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

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

The effectiveness of the tires as snow tires is lost.

■ **Situations in which the tire pressure warning system may not operate properly (vehicles with the tire pressure warning system)**

● In the following cases, the tire pressure warning system may not operate properly.

- If non-genuine Toyota wheels are used.
- A tire has been replaced with a tire that is not an OE (Original Equipment) tire.
- A tire has been replaced with a tire that is not of the specified size.
- Tire chains etc. are equipped.
- An auxiliary-supported run-flat tire is equipped.
- If a window tint that affects the radio wave signals is installed.
- If there is a lot of snow or ice on the vehicle, particularly around the wheels or wheel housings.
- If the tire inflation pressure is extremely higher than the specified level.
- If the spare tire is in a location subject to poor radio wave signal reception.*
- If a large metallic object which can interfere with signal reception is put near the spare tire.*
- If tires not equipped with the 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.

*: Vehicles with the spare tire only

● Performance may be affected in the following situations.

- Near a TV tower, electric power plant, gas station, radio station, large display, airport or other facility that generates strong radio waves or electrical noise
- When carrying a portable radio, cellular phone, cordless phone or other wireless communication device

● When the vehicle is parked, the time taken for the warning to start or go off could be extended.

● When tire inflation pressure declines rapidly for example when a tire has burst, the warning may not function.

■ **Warning performance of the tire pressure warning system (vehicles with the tire pressure warning system)**

The warning of the tire pressure warning system will change in accordance with the conditions under which it was initialized. For this reason, the system may give a warning even if the tire pressure does not reach a low enough level, or if the pressure is higher than the pressure that was adjusted to when the system was initialized.

■ **The initialization operation (vehicles with the tire pressure warning system)**

- Make sure to carry out initialization after adjusting the tire inflation pressure. Also, make sure the tires are cold before carrying out initialization or tire inflation pressure adjustment.
- If you have accidentally turned the engine switch to the “LOCK” position (vehicles without a smart entry & start system) or off (vehicles with a smart entry & start system) during initialization, it is not necessary to press the reset switch again as initialization will restart automatically when the engine switch has been turned to the “ON” position (vehicles without a smart entry & start system) or IGNITION ON mode (vehicles with a smart entry & start system) for the next time.
- If you accidentally press the reset switch when initialization is not necessary, adjust the tire inflation pressure to the specified level when the tires are cold, and conduct initialization again.
- Vehicles with the multi-information display type B: While the position of each tire is being determined and the inflation pressures are not being displayed on the multi-information display, if the inflation pressure of a tire drops, the tire pressure warning light will come on.

■ **When initialization of the tire pressure warning system has failed (vehicles with the tire pressure warning system)**

- Do not move the vehicle backward during initialization. Initialization is started again from the beginning and it may take longer than usual.
- Initialization may take longer to complete if the vehicle is driven on an unpaved road.
  When performing initialization, drive on a paved road if possible. Depending on the driving environment and condition of the tires, initialization will be completed in approximately 10 to 30 minutes.
  - If initialization is not complete after driving approximately 30 minutes, continue driving for a while.
  - If initialization is not complete after driving approximately 1 hour, park the vehicle in a safe place for approximately 20 minutes. Then drive straight (with occasional left and right turns) at approximately 40 km/h (25 mph) or more* for approximately 10 to 30 minutes.

  If initialization is still not complete, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

  *: Except when making a left/right turn
- In the following situations, the tire inflation pressure will not be recorded and the system will not operate properly. Perform initialization again.
  - When operating the tire pressure warning reset switch, the tire pressure warning light does not blink 3 times.
  - After performing initialization, the tire pressure warning light blinks for 1 minute then stays on after driving for about 20 minutes.

■ **When registering ID codes (vehicles with the tire pressure warning system)**

- Initialize the tire pressure warning system after ID code registration. Initialization is disabled if the system was initialized before registration.
- After ID code registration, the tires are hot by driving. Initialize the tire pressure warning system after the tires become cold.

■ **Canceling the change wheel set mode (vehicles with the tire pressure warning system)**

- If turning the engine switch to the “LOCK” position (vehicles without a smart entry & start system) or off (vehicles with a smart entry & start system) when in the change wheel set mode before driving, the change wheel set mode is canceled.
- After driving when in the change wheel set mode, the change wheel set mode cannot be canceled. To cancel the mode, perform the procedure for ID code registration again and turn the engine switch to the “LOCK” position (vehicles without a smart entry & start system) or off (vehicles with a smart entry & start system) before driving.
- If the change wheel set mode is canceled, the ID codes that have already been registered are communicated. When communication is finished, the tire pressure warning light will turn off.

■ **When ID code registration has failed (vehicles with the tire pressure warning system)**

● Registration may take long time or the ID codes may not be registered in the following situations.

- When the vehicle is moved backward during registration.
  Registration is started again from the beginning and it may take longer than usual.
- When another vehicle is running the side of the vehicle such as in heavy traffic.
  It may take longer to detect the vehicle's tire pressure warning valves and transmitters.
- If tire pressure warning valves and transmitters are in the vehicle.
  The ID codes may not be registered.

● When performing registration, drive on a paved road if possible. Depending on the driving environment and condition of the tires, registration will be completed in approximately 10 to 30 minutes.

- If registration is not complete after driving approximately 30 minutes, continue driving for a while.
- If registration is not complete after driving approximately 1 hour, park the vehicle in a safe place for approximately 20 minutes. Then drive straight (with occasional left and right turns) at approximately 40 km/h (25 mph) or more* for approximately 10 to 30 minutes.

If registration is still not complete, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

*: Except when making a left/right turn

● When the tire pressure warning light does not blink slowly 3 times, the ID code will not be registered and the system will not operate properly. Perform registration again.

■ **Certification for tire pressure warning system**

・Manufacturer's name: PACIFIC INDUSTRIAL CO.,LTD. ・Registered trademark: PACIFIC This trademark is registered in the following countries: UK, Italy, Austria, Greece, Germany, France, Belgium, the Netherlands, Luxembourg, Portugal. ・Manufacturer's address: 1300-1 Yokoi, Godo-cho, Anpachi-gun, Gifu, 503-2397 JAPAN ・Operating frequency band: 433.05 — 434.79MHz ・Maximum radio-frequency power: 100dBμV/m@3m(Radiated)
Hereby, PACIFIC INDUSTRIAL CO.,LTD. declares that the radio equipment type PMV-C215 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
PACIFIC INDUSTRIAL CO.,LTD. vakuuttaa, että radiolaitetyyppi PMV-C215 on direktiivin 2014/53/EU mukainen. EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/

Hierbij verklaar ik, PACIFIC INDUSTRIAL CO.,LTD., dat het type radioapparatuur PMV-C215 conform is met Richtlijn 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Le soussigné, PACIFIC INDUSTRIAL CO.,LTD., déclare que l'équipement radioélectrique du type PMV-C215 est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Härmed försäkrar PACIFIC INDUSTRIAL CO.,LTD. att denna typ av radioutrustning PMV-C215 överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Hermed erklærer PACIFIC INDUSTRIAL CO.,LTD., at radioudstyrstypen PMV-C215 er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Hiermit erklärt PACIFIC INDUSTRIAL CO.,LTD. , dass der Funkanlagentyp PMV-C215 der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/

Με την παρούσα ο/η PACIFIC INDUSTRIAL CO.,LTD., δηλώνει ότι ο ραδιοεξοπλισμός PMV-C215 πληροί την οδηγία 2014/53/ΕΕ.Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Il fabbricante, PACIFIC INDUSTRIAL CO.,LTD. , dichiara che il tipo di apparecchiatura radio PMV-C215 è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Por la presente, PACIFIC INDUSTRIAL CO.,LTD.declara que el tipo de equipo radioeléctrico PMV-C215 es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
O(a) abaixo assinado(a) PACIFIC INDUSTRIAL CO.,LTD. declara que o presente tipo de equipamento de rádio PMV-C215 está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponí vel no seguinte endereço de Internet: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/

B'dan, PACIFIC INDUSTRIAL CO.,LTD., niddikjara li dan it-tip ta' tagħmir tar-radju PMV-C215 huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Käesolevaga deklareerib PACIFIC INDUSTRIAL CO.,LTD., et käesolev raadioseadme tüüp PMV-C215 vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav jä rgmisel internetiaadressil: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
PACIFIC INDUSTRIAL CO.,LTD. igazolja, hogy a PMV-C215 típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a kö vetkező internetes címen: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
PACIFIC INDUSTRIAL CO.,LTD. týmto vyhlasuje, že rádiové zariadenie typu PMV-C215 je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Tímto PACIFIC INDUSTRIAL CO.,LTD. prohlašuje, že typ rá diového zařízení PMV-C215 je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/

PACIFIC INDUSTRIAL CO.,LTD. potrjuje, da je tip radijske opreme PMV-C215 skladen z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Aš, PACIFIC INDUSTRIAL CO.,LTD. , patvirtinu, kad radijo į renginių tipas PMV-C215 atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Ar šoPACIFIC INDUSTRIAL CO.,LTD. deklarē, ka radioiekārta PMV-C215 atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
PACIFIC INDUSTRIAL CO.,LTD. niniejszym oświadcza, że typ urządzenia radiowego PMV-C215 jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Hér með lýsir PACIFIC INDUSTRIAL CO.,LTD. yfir því að PMV-C215 er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 2014/53/EU. Samræmisyfirlýsing er einnig aðgengileg á eftirfarandi vefslóð: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/

PACIFIC INDUSTRIAL CO.,LTD. erklærer at PMV-C215 er i overensstemmelse med direktiv 2014/53/EU.
Samsvarserklæringen i fulltekst er tilgjengelig på følgende internettadresse:
http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/

С настоящото PACIFIC INDUSTRIAL CO.,LTD. декларира, че този тип радиосъоръжение PMV-C215 е в съответствие с Директива 2014/53/ЕС.
Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес:
http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/

Prin prezenta, PACIFIC INDUSTRIAL CO.,LTD. declară că tipul de echipamente radio PMV-C215 este în conformitate cu Directiva 2014/53/UE.
Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet:
http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/

Ovim, PACIFIC INDUSTRIAL CO.,LTD. , izjavljuje da ovaj PMV-C215 je usklađen sa bitnim zahtjevima i drugim relevantnim odredbama Direktive 1999/5/EC.
http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/

Ovim, PACIFIC INDUSTRIAL CO.,LTD., deklariše da je PMV-C215 u skladu sa osnovnim zahtevima i ostalim relevantnim odredbama Direktive 1999/5/EC.
http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/

PACIFIC INDUSTRIAL CO.,LTD. ovime izjavljuje da je radijska oprema tipa PMV-C215 u skladu s Direktivom 2014/53/EU.
Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedeć oj internetskoj adresi:
http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/

Nepermjet kesaj, PACIFIC INDUSTRIAL CO.,LTD. , deklaroj qe ky PMV-C215 eshte ne pajtim me kerkesat thelbesore dhe dispozitat e tjera perkatese te Direktives 1999/5/EC.
http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/

▶ For vehicles sold in Serbia



WARNING

■ When inspecting or replacing tires

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

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

■ When initializing the tire pressure warning system (if equipped)

Do not operate the tire pressure warning reset switch without first adjusting the tire inflation pressure to the specified level. Otherwise, the tire pressure warning light may not come on even if the tire inflation pressure is low, or it may come on when the tire inflation pressure is actually normal.

NOTICE

■ **Repairing or replacing tires, wheels, tire pressure warning valves, transmitters and tire valve caps (vehicles with the tire pressure warning system)**

- When removing or fitting the wheels, tires or the tire pressure warning valves and transmitters, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer as the tire pressure warning valves and transmitters may be damaged if not handled correctly.
- Make sure to install the tire valve caps. If the tire valve caps are not installed, water could enter the tire pressure warning valves and the tire pressure warning valves could be bound.
- When replacing tire valve caps, do not use tire valve caps other than those specified. The cap may become stuck.

■ **To avoid damage to the tire pressure warning valves and transmitters (vehicles with the tire pressure warning system)**

When a tire is repaired with liquid sealants, the tire pressure warning valve and transmitter may not operate properly. If a liquid sealant is used, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer or other qualified service shop as soon as possible. After use of liquid sealant, make sure to replace the tire pressure warning valve and transmitter when repairing or replacing the tire. (→P. 636)

■ **Driving on rough roads**

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

■ **If tire inflation pressure of each tire becomes low while driving**

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

Tire inflation pressure

Make sure to maintain the proper tire inflation pressure. Tire inflation pressure should be checked at least once per month. However, Toyota recommends that tire inflation pressure be checked once every two weeks. (→P. 803)

■ Effects of incorrect tire inflation pressure

Driving with incorrect tire inflation pressure may result in the following:

- Reduced fuel economy
- Reduced driving comfort and poor handling
- Reduced tire life due to wear
- Reduced safety
- Damage to the drive train

If a tire needs frequent refilling, have it checked by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ Instructions for checking tire inflation pressure

When checking tire inflation pressure, observe the following:

- Check only when the tires are cold.
  If your vehicle has been parked for at least 3 hours and has not been driven for more than 1.5 km or 1 mile, you will get an accurate cold tire inflation pressure reading.
- Always use a tire pressure gauge.
  It is difficult to judge if a tire is properly inflated based only on its appearance.
- It is normal for the tire inflation pressure to be higher after driving as heat is generated in the tire. Do not reduce tire inflation pressure after driving.
- Passengers and luggage weight should be placed so that the vehicle is balanced.

WARNING

■ Proper inflation is critical to save tire performance

Keep your tires properly inflated.
If the tires are not properly inflated, the following conditions may occur which could lead to an accident resulting in death or serious injury:

- Excessive wear
- Uneven wear
- Poor handling
- Possibility of blowouts resulting from overheated tires
- Air leaking from between tire and wheel
- Wheel deformation and/or tire damage
- Greater possibility of tire damage while driving (due to road hazards, expansion joints, sharp edges in the road, etc.)

NOTICE

■ When inspecting and adjusting tire inflation pressure

Be sure to put the tire valve caps back on.
If a valve cap is not installed, dirt or moisture may get into the valve and cause an air leak, resulting in decreased tire inflation pressure.

Wheels

If a wheel is bent, cracked or heavily corroded, it should be replaced.
Otherwise, the tire may separate from the wheel or cause loss of handling control.

Wheel selection

When replacing wheels, care should be taken to ensure that they are equivalent to those removed in load capacity, diameter, rim width, and inset*.
Replacement wheels are available at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

Toyota does not recommend using the following:

*: Conventionally referred to as “offset”.

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

Aluminum wheel precautions (if equipped)

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

When replacing wheels (vehicles with the tire pressure warning system)

The wheels of your Toyota are equipped with tire pressure warning valves and transmitters that allow the tire pressure warning system to provide advance warning in the event of a loss in tire inflation pressure. Whenever wheels are replaced, tire pressure warning valves and transmitters must be installed. (→P. 636)

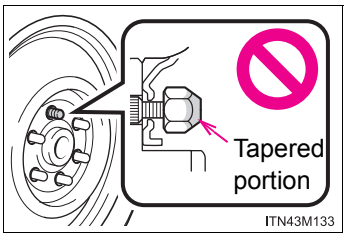
WARNING

When replacing wheels

- Do not use wheels that are a different size from those recommended in the Owner's Manual, as this may result in loss of handling control.
- Never use an inner tube in a leaking wheel which is designed for a tubeless tire. Doing so may result in an accident, causing death or serious injury.

When installing the wheel nuts

- Be sure to install the wheel nuts with the tapered ends facing inward. Installing the nuts with the tapered ends facing outward can cause wheel to break and eventually cause the wheel to come off while driving, which could lead to an accident resulting in death or serious injury.



- Never use oil or grease on the wheel bolts or wheel nuts.
  Oil and grease may cause the wheel nuts to be excessively tightened, leading to bolt or disc wheel damage. In addition, the oil or grease can cause the wheel nuts to loosen and the wheel may fall off, causing an accident and resulting in death or serious injury. Remove any oil or grease from the wheel bolts or wheel nuts.

Use of defective wheels prohibited

Do not use cracked or deformed wheels.
Doing so could cause the tire to leak air during driving, possibly causing an accident.

NOTICE

■ Replacing tire pressure warning valves and transmitters (vehicles with the tire pressure warning system)

- Because tire repair or replacement may affect the tire pressure warning valves and transmitters, make sure to have tires serviced by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer or other qualified service shop. In addition, make sure to purchase your tire pressure warning valves and transmitters at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- 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

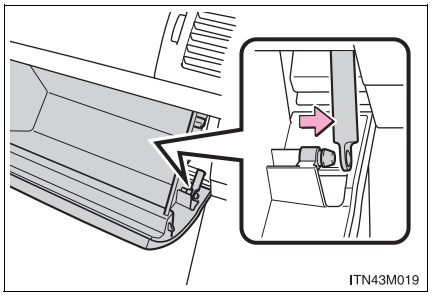
The air conditioning filter must be changed regularly to maintain air conditioning efficiency.

Removal method

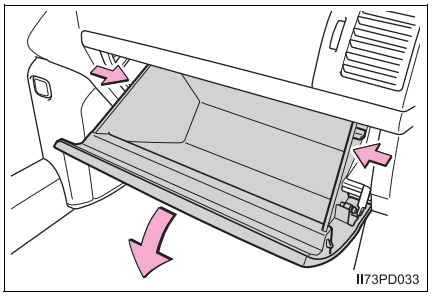
1 Vehicles without a smart entry & start system:
Turn the engine switch to the “LOCK” position.

Vehicles with a smart entry & start system:
Turn the engine switch off.

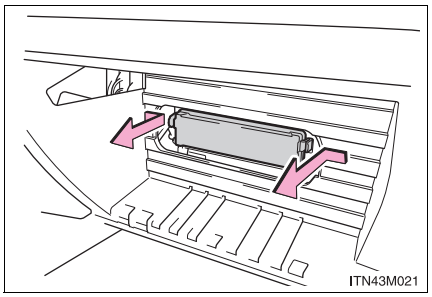
2 Open the glove box. Slide off the damper.



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

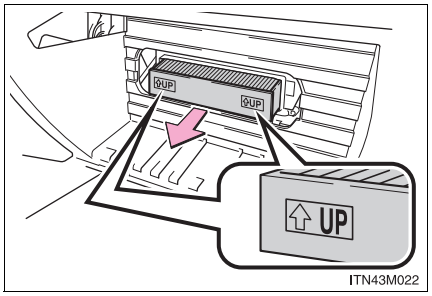


4 Remove the filter cover.



5 Replace it with a new one.

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



■ **Changing interval**

Inspect and replace the air conditioning filter according to the maintenance schedule. In dusty areas or areas with heavy traffic flow, early replacement may be required. (For scheduled maintenance information, please refer to the "Toyota Service Booklet" or "Toyota Warranty Booklet".)

■ **If air flow from the vents decreases dramatically**

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

NOTICE

■ **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.

Wireless remote control/electronic key battery

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

You will need the following items:

- Flathead screwdriver
- Small flathead screwdriver (vehicles with a smart entry & start system)
- Lithium battery

  Vehicles without a smart entry & start system (type A): CR2032

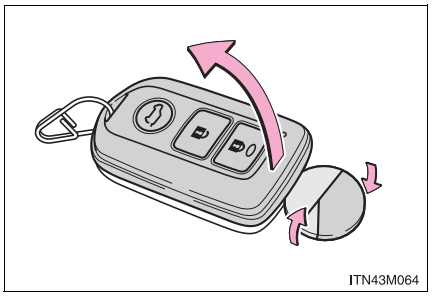
  Vehicles without a smart entry & start system (type B): CR2016

  Vehicles with a smart entry & start system: CR2032

Replacing the battery

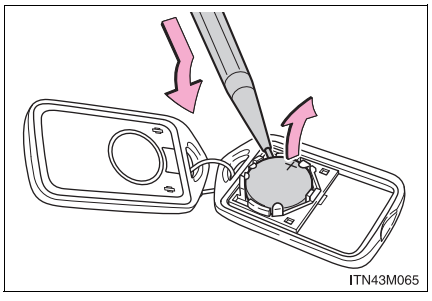
▶ Vehicles without a smart entry & start system (type A)

1 Remove the cover using a coin protected with tape etc.


ITN43M064

2 Remove the depleted battery using the tip of a ball-point pen or a similar pointed object.

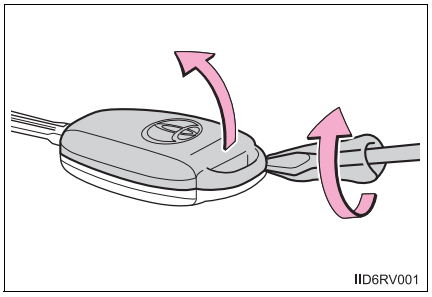
Insert a new battery with the “+” terminal facing up.


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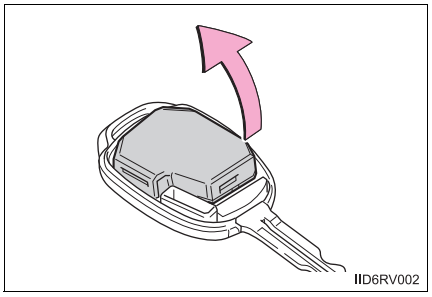
▶ Vehicles without a smart entry & start system (type B)

1 Remove the cover.

To prevent damage to the key, cover the tip of the screwdriver with a rag.

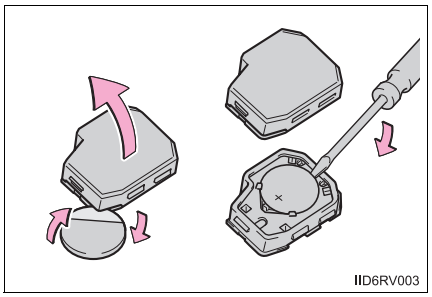


2 Remove the module.



3 Open the case cover using a coin protected with tape etc. and remove the depleted battery.

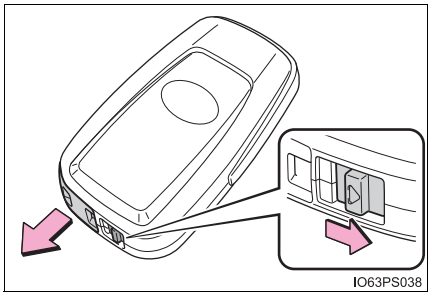
Insert a new battery with the “+” terminal facing up.



4 When installing, reverse the steps listed.

▶ Vehicles with a smart entry & start system

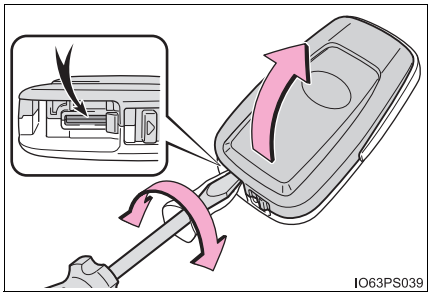
1 Release the lock and take out the mechanical key.



2 Remove the cover.

Use a screwdriver of an appropriate size. Forcedly prying may cause the cover damaged.

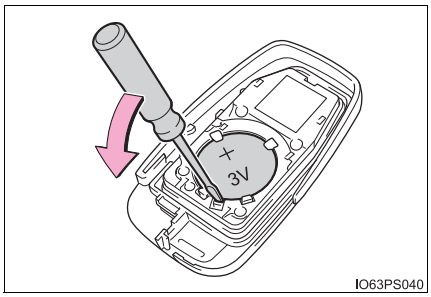
To prevent damage to the key, cover the tip of the screwdriver with a rag.



3 Remove the depleted battery.

When removing the cover, if the battery cannot be seen due to the electronic key module attaching to the upper cover, remove the electronic key module from the cover so that the battery is visible as shown in the illustration.

When removing the battery, use a screwdriver of an appropriate size.



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

4 When installing, reverse the steps listed.

■ **Use the following types of lithium battery**

Vehicles without a smart entry & start system (type A): CR2032
Vehicles without a smart entry & start system (type B): CR2016
Vehicles with a smart entry & start system: CR2032

- Batteries can be purchased at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer, local electrical appliance shops or camera stores.
- Replace only with the same or equivalent type recommended by the manufacturer.
- Dispose of used batteries according to the local laws.

■ **If the key battery is depleted**

The following symptoms may occur:

- The smart entry & start system (if equipped) and wireless remote control will not function properly.
- The operational range will be reduced.

WARNING

■ **Removed battery and other parts**

These parts are small and if swallowed by a child, they can cause choking. Keep away from children. Failure to do so could result in death or serious injury.

■ **Certification for the key battery**

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS

NOTICE

■ **For normal operation after replacing the battery**

Observe the following precautions to prevent accidents:

- Always work with dry hands.
  Moisture may cause the battery to rust.
- Do not touch or move any other component inside the remote control.
- Do not bend either of the battery terminals.

Checking and replacing fuses

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

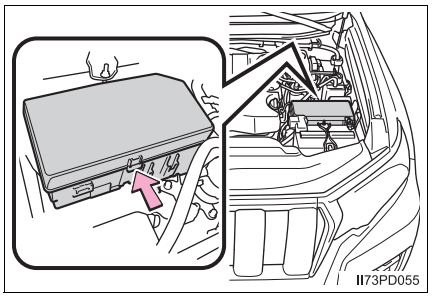
1 Vehicles without a smart entry & start system:
Turn the engine switch to the “LOCK” position.

Vehicles with a smart entry & start system:
Turn the engine switch off.

2 Open the fuse box cover.

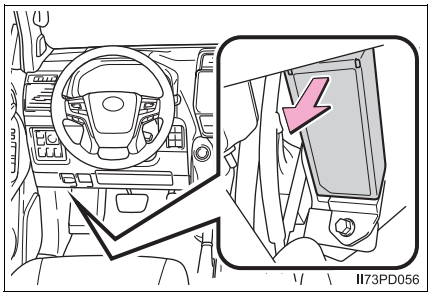
▶ Engine compartment

Push the tab in and lift the lid off.



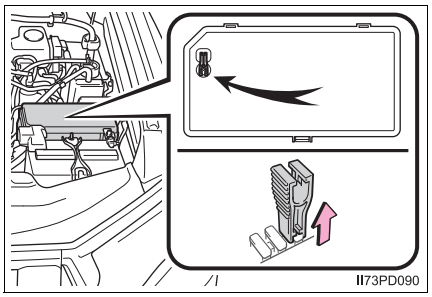
▶ Driver’s side instrument panel

Remove the lid.



3 Remove the fuse with the pull-out tool.

Only type A fuse can be removed using the pullout tool.



4 Check if the fuse is blown.

① Normal fuse

② Blown fuse

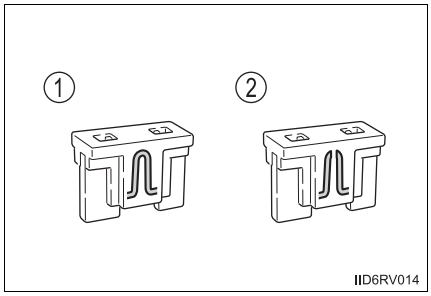
Type A

Replace the blown fuse with one of an appropriate amperage rating. The amperage rating can be found on the fuse box lid.

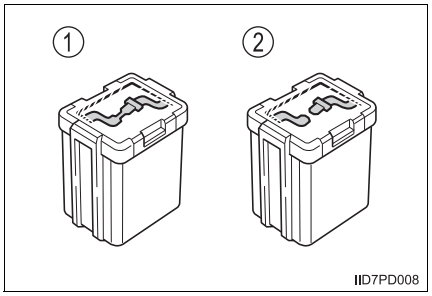
Type B, C, D and E

Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

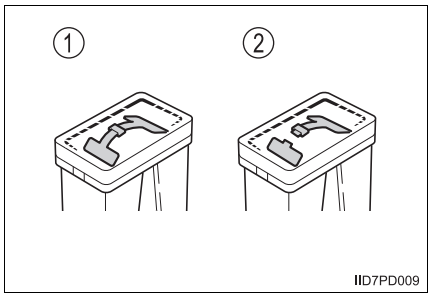
▶ Type A



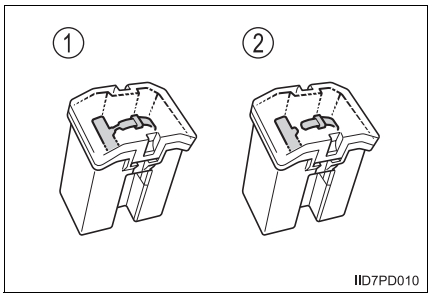
▶ Type B



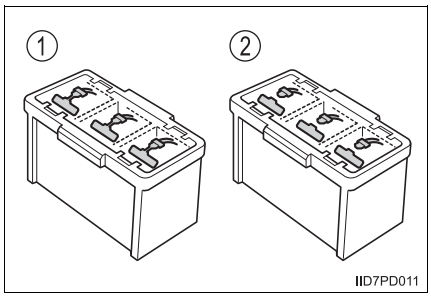
▶ Type C



▶ Type D



▶ Type E



■ **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. 668)
- If the replaced fuse blows again, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **If there is an overload in a circuit**

The fuses are designed to blow, protecting the wiring harness from damage.

WARNING

■ **To prevent system breakdowns and vehicle fire**

Observe the following precautions.
Failure to do so may cause damage to the vehicle, and possibly a fire or injury.

- Never use a fuse of a higher amperage rating than indicated, or use any other object in place of a fuse.
- Always use a genuine Toyota fuse or equivalent.
  Never replace a fuse with a wire, even as a temporary fix.
- Do not modify the fuses or fuse boxes.

NOTICE

■ **Before replacing fuses**

Have the cause of electrical overload determined and repaired by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer 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 any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

For more information about replacing other light bulbs, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

Preparing for light bulb replacement

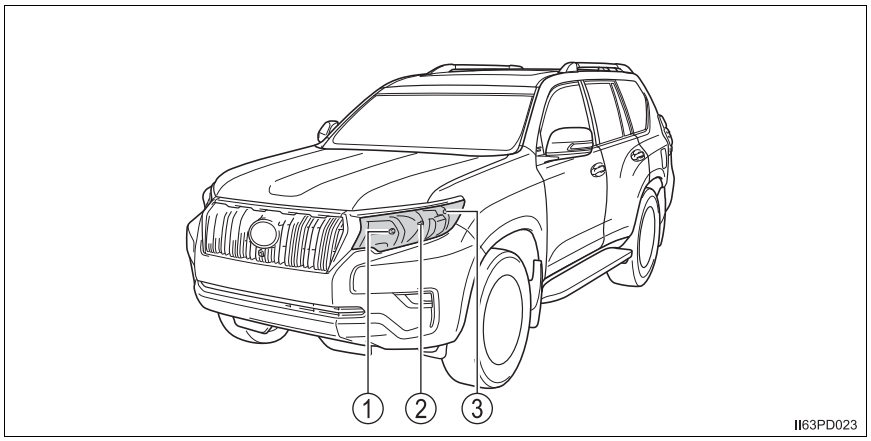
Check the wattage of the light bulb being replaced. (→P. 805)

Removing the engine compartment covers

→P. 612

Bulb locations

■ Front



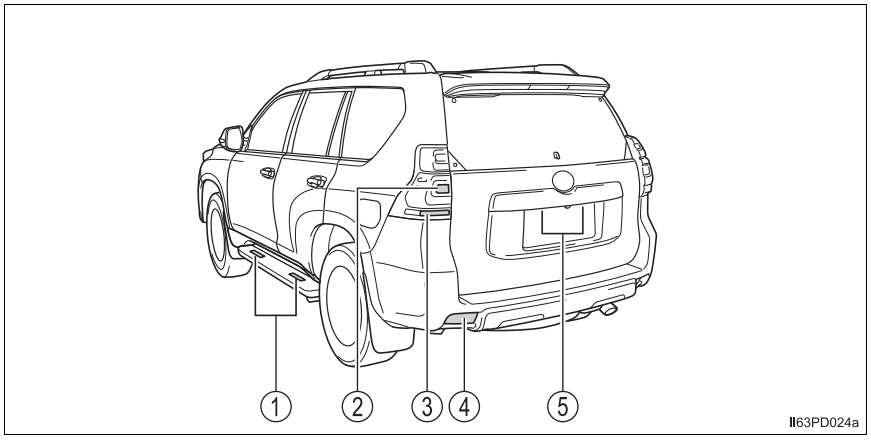
① Headlight low beam (halogen headlights)

② Headlight high beam (halogen headlights)

③ Front turn signal light

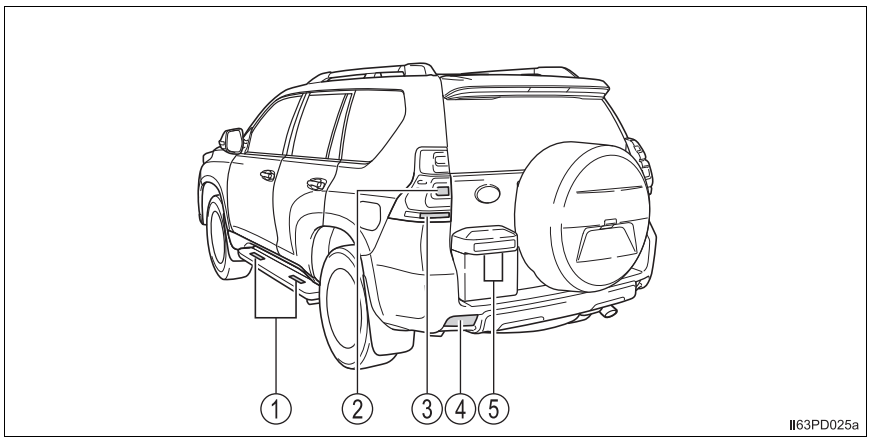
■ **Rear**

▶ Vehicles with under floor mounted spare tire



① Running board lights (if equipped)
② Rear turn signal light
③ Back-up light
④ Rear fog light
⑤ License plate lights

▶ Vehicles with back door mounted spare tire

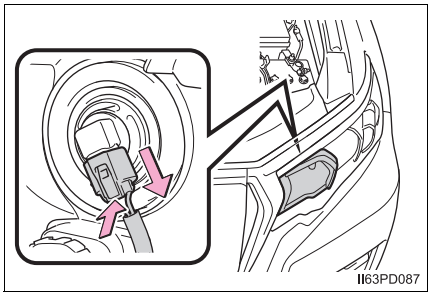


① Running board lights (if equipped)
② Rear turn signal light
③ Back-up light
④ Rear fog light
⑤ License plate lights

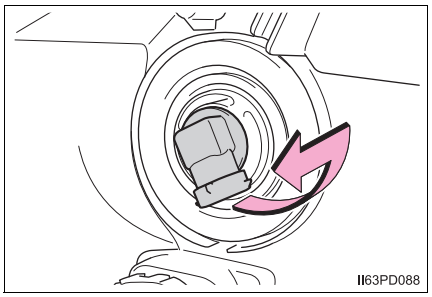
Replacing light bulbs

■ Headlight low beams (halogen headlights)

1 Unplug the connector while depressing the lock release.

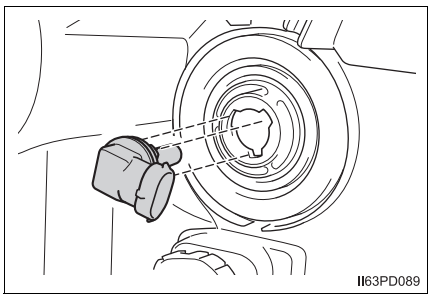


2 Turn the light bulb counter-clockwise.

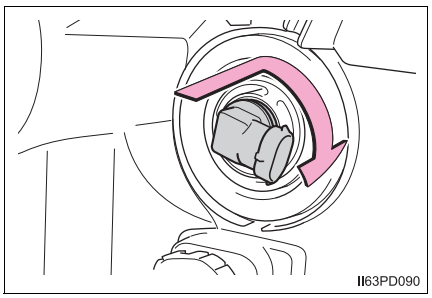


3 Replace the light bulb.

Align the 3 tabs on the light bulb with the mounting, and insert.

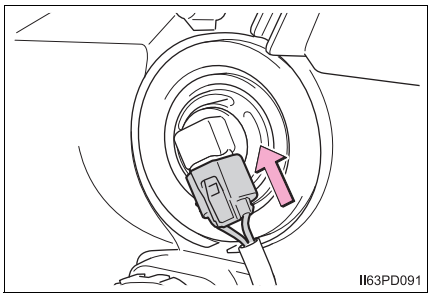


4 Turn and secure the light bulb.



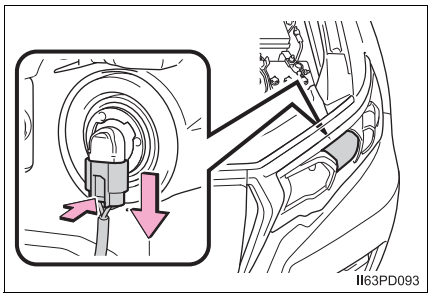
5 Set the connector.

Shake the light bulb gently to check that it is not loose, turn the headlights on once and visually confirm that no light is leaking through the mounting.

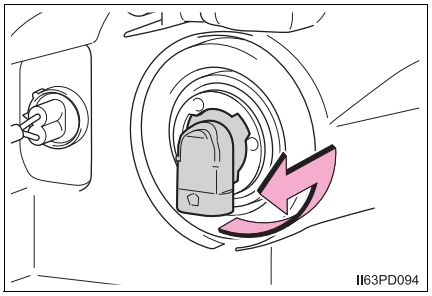


■ Headlight high beams (halogen headlights)

1 Unplug the connector while depressing the lock release.

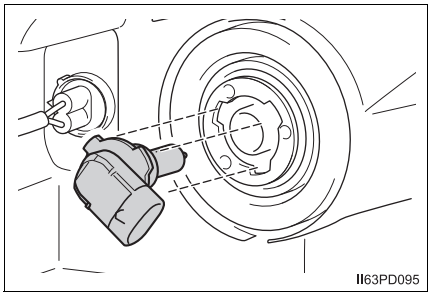


2 Turn the light bulb counterclockwise.

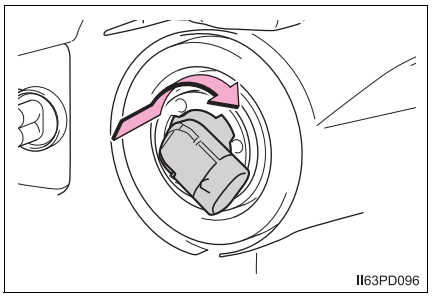


3 Replace the light bulb.

Align the 3 tabs on the light bulb with the mounting, and insert.

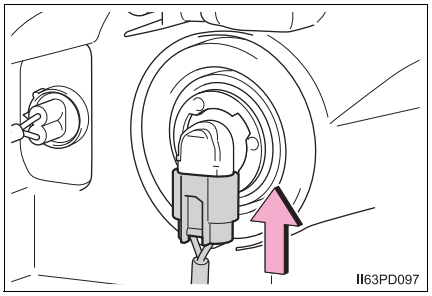


4 Turn and secure the light bulb.



5 Set the connector.

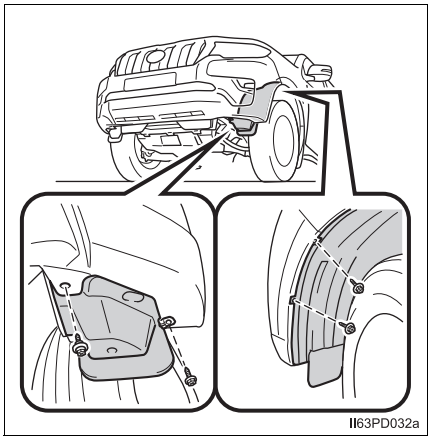
Shake the light bulb gently to check that it is not loose, turn the headlights on once and visually confirm that no light is leaking through the mounting.



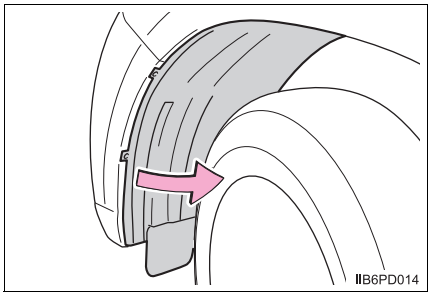
■ Front turn signal lights

1 Remove the fender liner bolts.

To allow enough working space, turn the steering wheel to the opposite side of the bulb to be replaced.

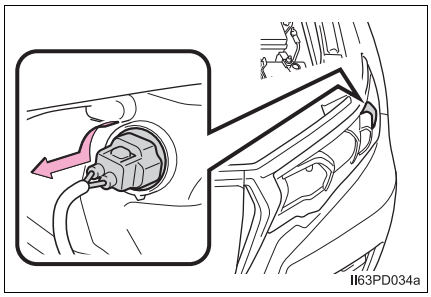


2 Open the fender liner.

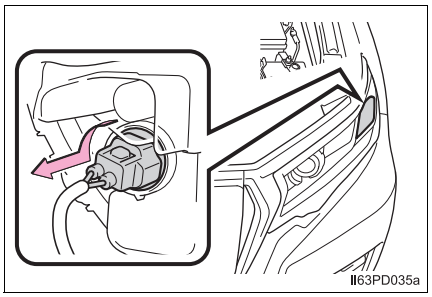


3 Turn the bulb base counterclockwise.

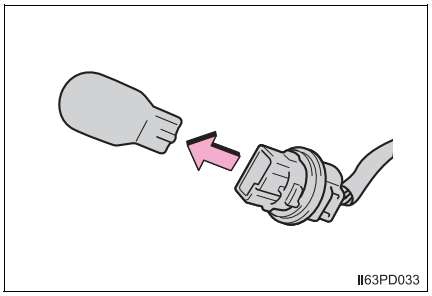
▶ Vehicles with halogen headlights



▶ Vehicles with LED headlights



4 Remove the light bulb.



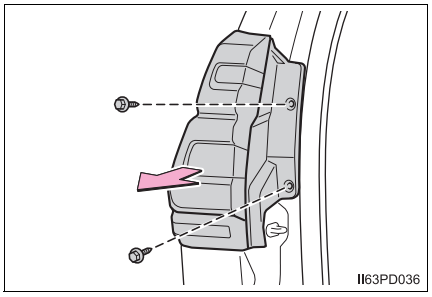
5 When installing, reverse the steps listed.

■ Rear turn signal lights and back-up lights

1 Open the back door.

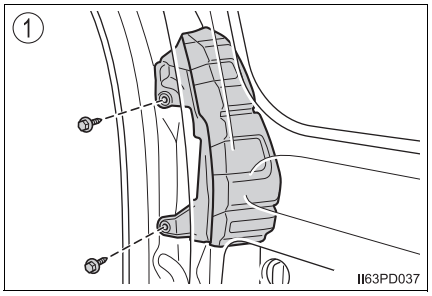
▶ Left-hand side

Remove the bolts and lamp assembly.

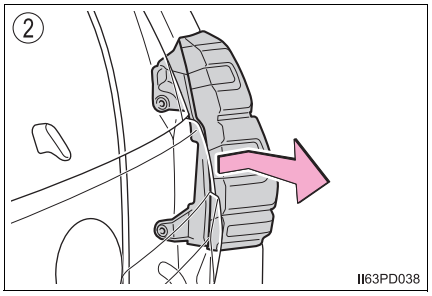


▶ Right-hand side

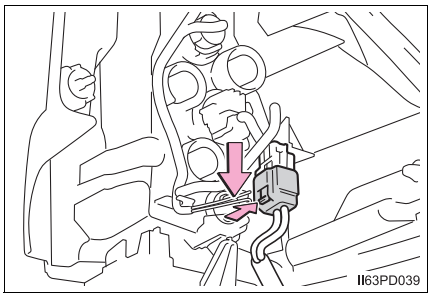
① Remove the bolts.



② Close the back door half way and remove the lamp assembly.



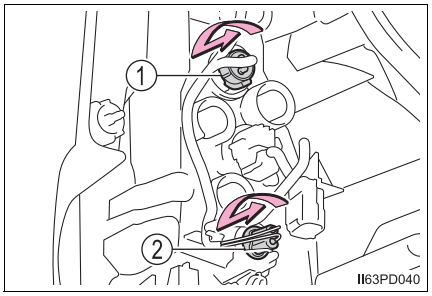
2 Unplug the connector while pushing the lock release.



3 Turn the bulb bases counter-clockwise.

① Rear turn signal light

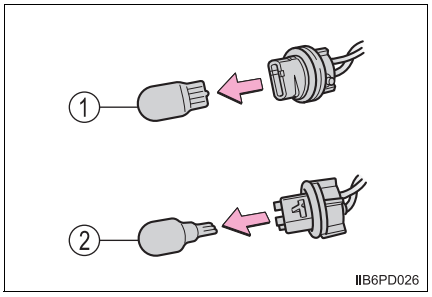
② Back-up light



4 Remove the light bulb.

① Rear turn signal light

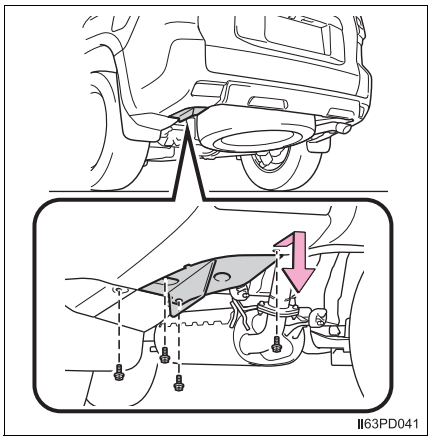
② Back-up light



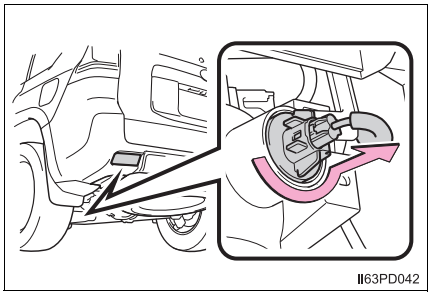
5 When installing, reverse the steps listed.

■ **Rear fog lights**

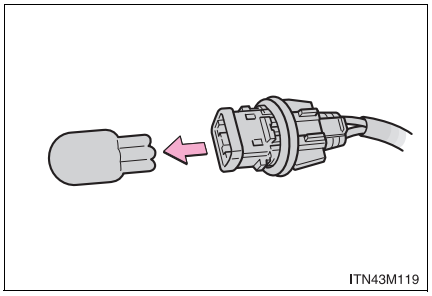
1 Remove the under cover bolts and pull down the under cover.



2 Turn the bulb base counter-clockwise.



3 Remove the light bulb.



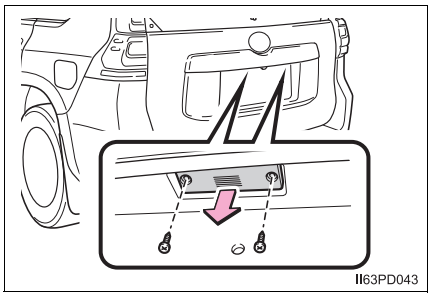
4 When installing, reverse the steps listed.

■ **License plate lights**

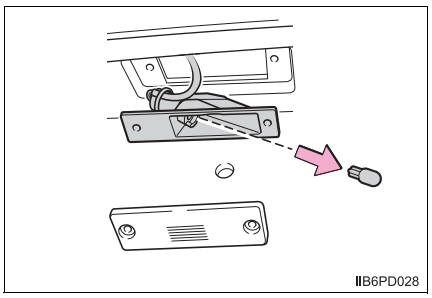
▶ Vehicles with under floor mounted spare tire and without spare tire

1 Remove the screws.

Remove the lens and the license plate light unit.



2 Remove the light bulb.

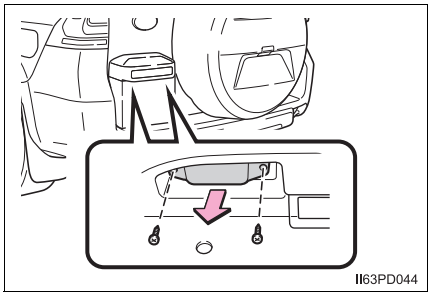


3 When installing, reverse the steps listed.

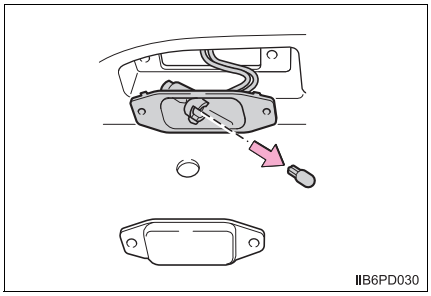
▶ Vehicles with back door mounted spare tire

1 Remove the screws.

Remove the lens and the license plate light unit.



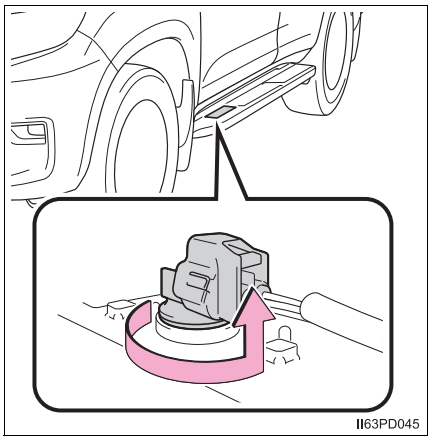
2 Remove the light bulb.



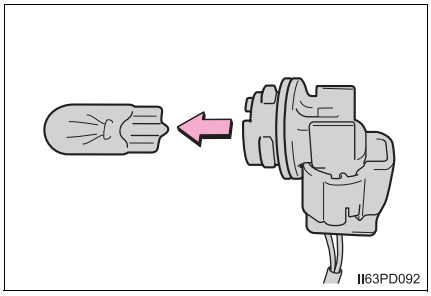
3 When installing, reverse the steps listed.

■ **Running board lights (if equipped)**

1 Turn the bulb bases counter-clockwise.



2 Remove the light bulb.



3 When installing, reverse the steps listed.

■ **Lights other than the above**

If any of the lights listed below has burnt out, have it replaced by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

- Headlight low beams (LED headlights)
- Headlight high beams (LED headlights)
- Front position lights/daytime running lights
- Front fog lights (if equipped)
- Side turn signal lights
- High mounted stoplight
- Stop/tail lights
- Outer foot lights (if equipped)

■ **Installing the lenses of the license plate lights**

Make sure to install the packing in its original position. Failure to do so may allow water to get inside.

■ **LED lights**

The headlight low beams (LED headlights), headlight high beams (LED headlights), front position lights/daytime running lights, front fog lights (if equipped), side turn signal lights, high mounted stoplight, stop/tail lights consist of a number of LEDs. If any of the LEDs burn out, take your vehicle to any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer to have the light replaced.

■ **Condensation build-up on the inside of the lens**

Temporary condensation build-up on the inside of the headlight lens does not indicate a malfunction. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer for more information in the following situations:

- Large drops of water are built up on the inside of the lens.
- Water has built up inside the headlight.

WARNING

■ **Replacing light bulbs**

- Turn off the headlights. Do not attempt to replace the bulb immediately after turning off the headlights.
  The bulbs become very hot and may cause burns.
- Do not touch the glass portion of the light bulb with bare hands. When it is unavoidable to hold the glass portion, use and hold with a clean dry cloth to avoid getting moisture and oils on the bulb.
  Also, if the bulb is scratched or dropped, it may blow out or crack.
- Fully install light bulbs and any parts used to secure them. Failure to do so may result in heat damage, fire, or water entering the headlight unit. This may damage the headlights or cause condensation to build up on the lens.
- Do not attempt to repair or disassemble light bulbs, connectors, electric circuits or component parts.
  Doing so may result in death or serious injury due to electric shock.

■ **To prevent damage or fire**

- Make sure bulbs are fully seated and locked.
- Check the wattage of the bulb before installing to prevent heat damage.

When trouble arises 8

8-1. Essential information

Emergency flashers.....684

If your vehicle has to be stopped in an emergency.....685

8-2. Steps to take in an emergency

If your vehicle needs to be towed.....687

If you think something is wrong.....693

Fuel pump shut off system (gasoline engine only).....694

If a warning light turns on or a warning buzzer sounds.....695

If a warning message is displayed.....707

If you have a flat tire (vehicles without a spare tire).....713

If you have a flat tire (vehicles with a spare tire).....730

If the engine will not start.....751

If the electronic key does not operate properly (vehicles with a smart entry & start system).....753

If the vehicle battery is discharged.....757

If your vehicle overheats.....764

If you run out of fuel and the engine stalls (diesel engine only).....768

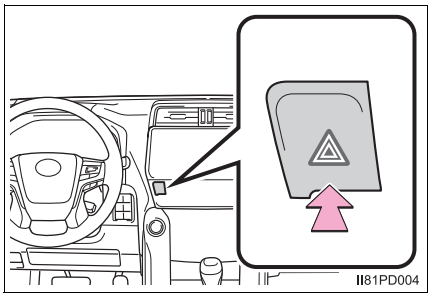
If the vehicle becomes stuck.....769

Emergency flashers

The emergency flashers are used to warn other drivers when the vehicle has to be stopped in the road due to a breakdown, etc.

Press the switch.

All the turn signal lights will flash. To turn them off, press the switch once again.



■ **Emergency flashers**

If the emergency flashers are used for a long time while the engine is not operating, the battery may discharge.

If your vehicle 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:

1 Steadily step on the brake pedal with both feet and firmly depress it.

Do not pump the brake pedal repeatedly as this will increase the effort required to slow the vehicle.

2 Shift the shift lever to N.

▶ If the shift lever is shifted to N

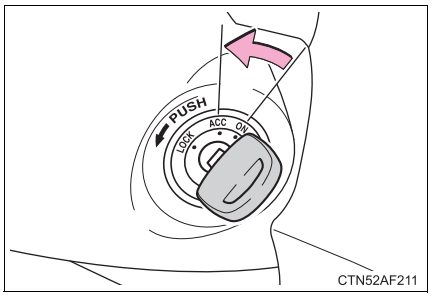
3 After slowing down, stop the vehicle in a safe place by the road.

4 Stop the engine.

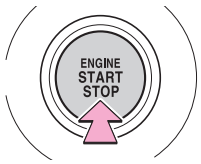
▶ If the shift lever cannot be shifted to N

3 Keep depressing the brake pedal with both feet to reduce vehicle speed as much as possible.

4 Vehicles without a smart entry & start system:
Stop the engine by turning the engine switch to the “ACC” position.



Vehicles with a smart entry & start system:
To stop the engine, press and hold the engine switch for 2 consecutive seconds or more, or press it briefly 3 times or more in succession.



Press and hold for 2 seconds or more, or press briefly 3 times or more

CTY52AD212

5 Stop the vehicle in a safe place by the road.

WARNING

■ If the engine has to be turned off while driving

- Power assist for the brakes and steering wheel will be lost, making the brake pedal harder to depress and the steering wheel heavier to turn. Decelerate as much as possible before turning off the engine.
- Vehicles without a smart entry & start system: Never attempt to remove the key, as doing so will lock the steering wheel.

If your vehicle needs to be towed

If towing is necessary, we recommend having your vehicle towed by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer or commercial towing service, using a wheel-lift type truck or a flatbed truck.
Use a safety chain system for all towing, and abide by all state/provincial and local laws.

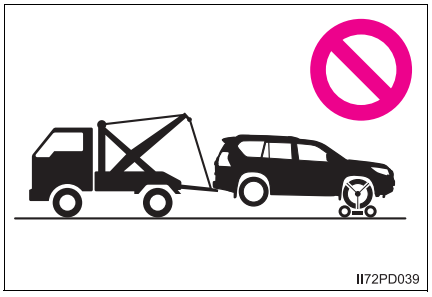
Situations when it is necessary to contact dealers before towing

The following may indicate a problem with your transmission. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer or commercial towing service before towing.

- The engine is running but the vehicle does not move.
- The vehicle makes an abnormal sound.

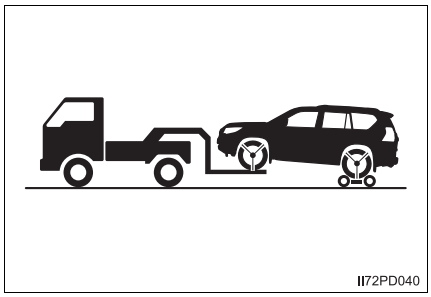
Towing with a sling-type truck

Do not tow with a sling-type truck to prevent body damage.



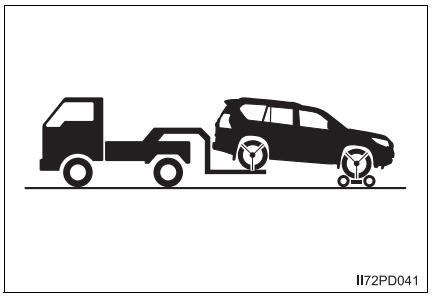
Towing with a wheel-lift type truck

▶ From the front



Use a towing dolly under the rear wheels.

▶ From the rear



Use a towing dolly under the front wheels.

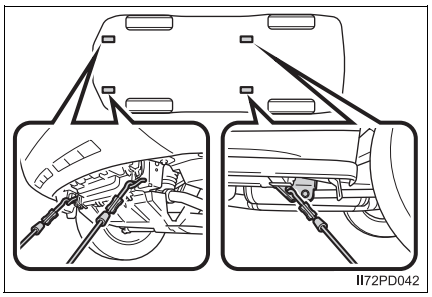
Using a flatbed truck

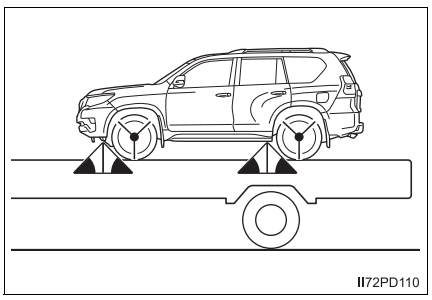
If your vehicle is transported by a flatbed truck, it should be tied down at the locations shown in the illustration.

Vehicles with front spoilers: Remove the front spoilers before attaching chains or cables. (→P. 689)

If you use chains or cables to tie down your vehicle, the angles shaded in black must be 45°.

Do not overly tighten the tie downs or the vehicle may be damaged.





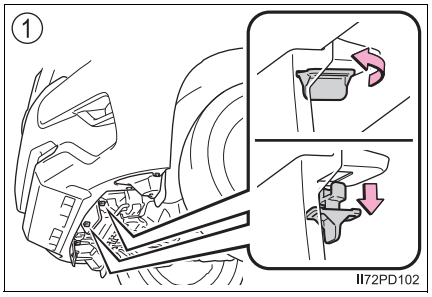
Emergency towing

If a tow truck is not available in an emergency, your vehicle may be temporarily towed using cables or chains secured to the emergency towing hooks. This should only be attempted on hard surfaced roads for at most 80 km (50 miles) at under 30 km/h (18 mph).
A driver must be in the vehicle to steer and operate the brakes. The vehicle's wheels, drive train, axles, steering and brakes must be in good condition.
For vehicles with an automatic transmission, only the front towing hooks may be used.

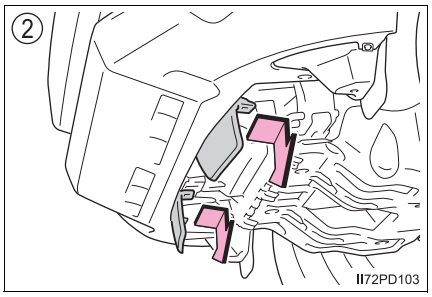
Emergency towing procedure

1 Vehicles with front spoilers: Remove the front spoilers.

① Turn and pull out the clips.

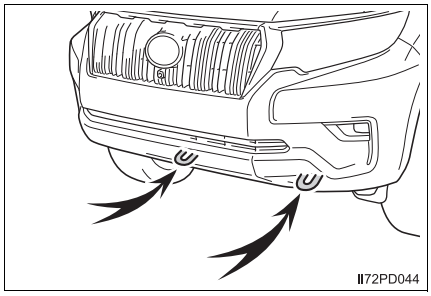


② Move the front spoilers in the direction of the arrow, and then remove it.

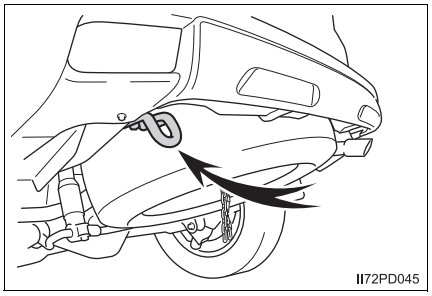


2 Securely attach cables or chains to the towing hooks.
Take care not to damage the vehicle body.

▶ Front



▶ Rear



3 Vehicles without a smart entry & start system: Enter the vehicle being towed and start the engine.

If the engine does not start, turn the engine switch to the “ON” position.

Vehicles with a smart entry & start system: Enter the vehicle being towed and start the engine.

If the engine does not start, turn the engine switch to IGNITION ON mode.

4 2TR-FE engine: Put the four-wheel drive control switch in H4F. (The center differential is unlocked.)*
1GR-FE, 1GD-FTV and 1KD-FTV engines: Put the four-wheel drive control switch in H4 and push the center differential lock/unlock switch to unlock the center differential.*

5 Vehicles with the rear height control air suspension: Put the vehicle height in the N mode and press the height control OFF button to turn off the rear height control air suspension.*

6 Shift the shift lever to N and release the parking brake.
When the shift lever cannot be shifted (vehicles with an automatic transmission): →P. 282

*: Refer to the “Off-road Driving Owner’s Manual”

■ **While towing**

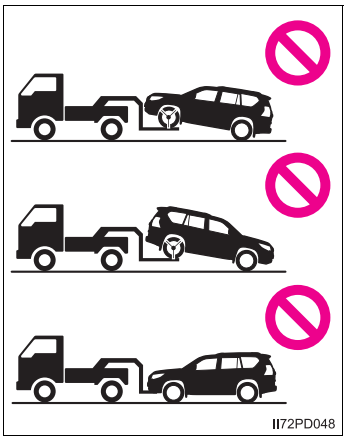
If the engine is not running, the power assist for the brakes and steering will not function, making steering and braking more difficult.

WARNING

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

When towing the vehicle

Be sure to transport the vehicle with all four wheels raised off the ground. If the vehicle is towed with the tires contacting the ground, the drivetrain or related parts may be damaged, the vehicle may fly off the truck.



While towing

- When towing using cables or chains, avoid sudden starts, etc. which place excessive stress on the towing hook, cables or chains. The towing hook, cables or chains may become damaged, broken debris may hit people, and cause serious damage.
- Vehicles without a smart entry & start system: Do not turn the engine switch to the “LOCK” position.
  There is a possibility that the steering wheel is locked and cannot be operated.
- Vehicles with a smart entry & start system: Do not turn the engine switch to the off.
  There is a possibility that the steering wheel is locked and cannot be operated.

NOTICE

■ **To prevent damage to the vehicle when towing using a wheel-lift type truck**

- Vehicles without a smart entry & start system: Do not tow the vehicle from the rear when the engine switch is in the “LOCK” position or the key is removed. The steering lock mechanism is not strong enough to hold the front wheels straight.
- Vehicles with a smart entry & start system: Do not tow the vehicle from the rear when the engine switch is off. The steering lock mechanism is not strong enough to hold the front wheels straight.
- When raising the vehicle, ensure adequate ground clearance for towing at the opposite end of the raised vehicle. Without adequate clearance, the vehicle could be damaged while being towed.

■ **To prevent damage to the vehicle when towing with a sling-type truck**

Do not tow with a sling-type truck, either from the front or rear.

■ **To prevent damage to the vehicle during emergency towing**

Do not secure cables or chains to the suspension components.

If you think something is wrong

If you notice any of the following symptoms, your vehicle probably needs adjustment or repair. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer as soon as possible.

Visible symptoms

- Fluid leaks under the vehicle
  (Water dripping from the air conditioning after use is normal.)
- Flat-looking tires or uneven tire wear
- Engine coolant temperature gauge needle continually points higher than normal

Audible symptoms

- Changes in exhaust sound
- Excessive tire squeal when cornering
- Strange noises related to the suspension system
- Pinging or other noises related to the engine

Operational symptoms

- Engine missing, stumbling or running roughly
- Appreciable loss of power
- Vehicle pulls heavily to one side when braking
- Vehicle pulls heavily to one side when driving on a level road
- Loss of brake effectiveness, spongy feeling, pedal almost touches the floor

Fuel pump shut off system (gasoline engine only)

To minimize the risk of fuel leakage when the engine stalls or when an airbag inflates upon collision, the fuel pump shut off system stops the supply fuel to the engine.

Follow the procedure below to restart the engine after the system is activated.

▶ Vehicles without a smart entry & start system

1 Turn the engine switch to the “ACC” or “LOCK” position.

2 Restart the engine.

▶ Vehicles with a smart entry & start system

1 Turn the engine switch to ACCESSORY mode or turn it off.

2 Restart the engine.

⚠ NOTICE

■ **Before starting the engine**

Inspect the ground under the vehicle.
If you find that fuel has leaked onto the ground, the fuel system has been damaged and is in need of repair. Do not restart the engine.

If a warning light turns on or a warning buzzer sounds

Calmly perform the following actions if any of the warning lights comes on or flashes. If a light comes on or flashes, but then goes off, this does not necessarily indicate a malfunction in the system. However, if this continues to occur, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

Warning light and warning buzzer list

Warning light	Warning light/Details/Actions
	**Brake system warning light (warning buzzer)** Indicates that: • The brake fluid level is low; or • The brake system is malfunctioning. → **Immediately stop the vehicle in a safe place and contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer. Continuing to drive the vehicle may be dangerous.**
	**Charging system warning light** Indicates a malfunction in the vehicle's charging system. → **Immediately stop the vehicle in a safe place and contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.**
	**Low engine oil pressure warning light*1** Indicates that the engine oil pressure is too low → **Immediately stop the vehicle in a safe place and contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.**
	**Malfunction indicator lamp** Indicates a malfunction in: • The electronic engine control system; • The electronic throttle control system; • The DPF system (if equipped); • The emission control system (if equipped); or • The electronic automatic transmission control system. → **Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.**

Warning light	Warning light/Details/Actions
	**SRS warning light** Indicates a malfunction in: • The SRS airbag system; or • The seat belt pretensioner system. → **Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.**
	**ABS warning light** Indicates a malfunction in: • The ABS/Multi Terrain ABS (if equipped); or • The brake assist system → **Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.**
 (If equipped)	**Power steering system warning light** Indicates a malfunction in the power steering system → **Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.**
 (Flashes or illuminated) (If equipped)	**PCS warning light** Indicates a malfunction in the PCS (Pre-Crash Safety system) or that the system is temporarily unavailable due to the vehicle being extremely hot/cold, or dirt around a front sensor, etc.(→P. 357, 707) → **Follow the instructions displayed on the multi-information display. (→P. 357, 707)** If the PCS (Pre-Crash Safety system) or VSC (Vehicle Stability Control) system is disabled, the PCS warning light will illuminate. → **P. 357**
 (yellow) (If equipped)	**Cruise control warning light** Indicates a malfunction in the cruise control → **P. 389**

Warning light	Warning light/Details/Actions
	**Slip indicator light** Indicates a malfunction in: • The VSC system; • The trailer sway control system (If equipped); • The TRC system; • Active TRC system (If equipped); • The downhill assist control system (If equipped); • The hill-start assist control; • The Multi-terrain Select (If equipped); or • The Crawl Control (If equipped). The light will flash when any of the above systems other than the Multi-terrain Select are operating. → **Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.**
 (If equipped)	**Automatic transmission fluid temperature warning light** • Indicates that the automatic transmission fluid temperature is too high if the light comes on. → **Immediately stop the vehicle in a safe place, shift the shift lever to P and wait until the light goes off. If the light goes off, you may start the vehicle again. If the warning light do not go off, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.** • Indicates a malfunction in the automatic transmission system if the light flashes. → **Immediately stop the vehicle in a safe place, shift the shift lever to P and contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.**
 (If equipped)	**KDSS warning light** Indicates a malfunction in KDSS → **Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.**
 (If equipped)	**Timing belt replacement warning light** Indicates that the timing belt should be replaced. → **Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.**

Warning light	Warning light/Details/Actions
 (If equipped)	**Low AdBlue™ level warning light** Insufficient level of AdBlue™ → **Have AdBlue™ refilled at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.**
 (If equipped) (Comes on or flashes)	**Fuel system warning light (warning buzzer)** • The amount of accumulated water in the fuel filter has reached the specified level if the light flashes. → **P. 626** • Malfunction in the fuel system if the light comes on. → **Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.** The buzzer will sound at the same time the warning light flashes.
	**Open door warning light (warning buzzer)*2** Indicates that a door, the hood or the glass hatch is not fully closed → **Check that all the doors, the hood, the back door and the glass hatch are closed.**
	**Low fuel level warning light** Vehicles without sub fuel tank: Indicates that remaining fuel is approximately 14.6 L (3.8 gal., 3.2 Imp.gal.) or less if the light comes on. Vehicles with sub fuel tank: Indicates that remaining fuel is approximately 22.5 L (5.9 gal., 4.9 Imp.gal.) or less if the light comes on. Indicates a malfunction in the fuel pump of the sub fuel tank if the light flashes. → **Refuel the vehicle.**

Warning light	Warning light/Details/Actions
	**Driver's and front passenger's seat belt reminder light (warning buzzer)*3** Warns the driver and/or front passenger to fasten their seat belts → **Fasten the seat belt.** **If the front passenger's seat is occupied, the front passenger's seat belt also needs to be fastened to make the warning light (warning buzzer) turn off.**
 (If equipped)	**Low engine oil level warning light** Indicates that engine oil level is low (This warning light may come on if the vehicle is stopped on a slope. Move the vehicle to a level surface and check to see if the light goes off.) → **Check the level of engine oil and add more oil if necessary.**
 (If equipped)	**Master warning light** A buzzer sounds and the warning light comes on and flashes to indicate that the master warning system has detected a malfunction. → **P. 707**
 (If equipped)	**Tire pressure warning light** When the light comes on: Low tire inflation pressure such as • Natural causes (→P. 705) • Flat tire (→P. 713, 730) → **Adjust the tire inflation pressure to the specified level.** **The light will turn off after a few minutes. In case the light does not turn off even if the tire inflation pressure is adjusted, have the system checked by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.** When the light comes on after blinking for 1 minute: Malfunction in the tire pressure warning system → **Have the system checked by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.**

Warning light	Warning light/Details/Actions
 (If equipped)	**Low windshield washer fluid warning light** Low level of washer fluid → **Fill the tank.**
 (If equipped)	**LED headlight warning light** Indicates a malfunction in the LED headlights The LED headlights will not normally illuminate when there is a malfunction, however it may be able to illuminate depending on the nature of the problem. → **Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.**
 (If equipped)	**Automatic headlight leveling system warning light** Indicates a malfunction in the automatic headlight leveling system → **Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.**
 (Flashes) (If equipped)	**Toyota parking assist-sensor indicator (warning buzzer)*4** Indicates a malfunction in Toyota parking assist-sensor → **Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.**
 (If equipped)	**Toyota parking assist-sensor indicator (warning buzzer)*5** Indicates that Toyota parking assist-sensor is dirty or covered with ice. → **Clean the sensors.**
 (If equipped)	**DPF system warning light** The amount of accumulated deposit in the DPF system has reached the specified level if the light comes on. Regenerate the filter. → **P. 291** Malfunction in the DPF system if the light flashes. → **Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.**
	**Parking brake indicator light (warning buzzer)*6** Warns the driver to release parking brake. → **Release the parking brake.**

Warning light	Warning light/Details/Actions
 (If equipped) (Comes on)	**Brake Override System/Drive-Start Control warning light*1** Indicates that the following system is operating: • The Brake Override system (→P. 238) → **Release the accelerator pedal and depress the brake pedal.** • The Drive-Start Control system (→P. 239) → **Release the accelerator pedal.**
 (If equipped) (Flashes)	**Brake Override System/Drive-Start Control warning light** Indicates a malfunction in: • The Brake Override system • The Drive-Start Control system → **Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.**

*1: Vehicles with the multi-information display type B: This light illuminates on the multi-information display.

*2: Open door warning buzzer:
The open door warning buzzer sounds to alert one or more of the doors is not fully closed (with the vehicle having reached a speed of 5 km/h [3 mph]).

*3: Driver's and front passenger's seat belt reminders:
The driver's and front passenger's seat belts reminder sounds to alert the driver and front passenger that his/her seat belt is not fastened. The buzzer sounds for 30 seconds after the vehicle has reached a speed of at least 20 km/h (12 mph). Then, if the seat belt is still unfastened, the buzzer will sound in a different tone for 90 more seconds.

*4: The corner and center indicators flash after the indicator for the malfunctioning sensor flashes and the vehicle indicator turns off while the buzzer sounds for approximately 7 seconds.

*5: The corner and center indicators turn on and remain on after the indicator for the malfunctioning sensor turns on and the vehicle indicator turns off while the buzzer sounds for approximately 7 seconds.

*6: Parking brake engaged warning buzzer:
A buzzer will sound if the vehicle is driven at a speed of approximately 5 km/h (3 mph) or more.

Smart entry & start system warning light and buzzer procedures (vehicles with the multi-information display type A)

After taking the specified steps to correct the suspected problem, check that the warning light turns off.

Interior buzzer	Exterior buzzer	Warning light	Details/Actions
Continuous	Continuous	 (Flashes in yellow)	Indicates that the driver's door was opened and closed while the electronic key was not in the vehicle, the shift lever was not in P (automatic transmission) or N (manual transmission) and the engine switch was not turned off. → **Shift the shift lever to P (automatic transmission) or N (manual transmission).** **Bring the electronic key back into the vehicle.**
Once	3 times	 (Flashes in yellow)	Indicates that the driver's door has been opened or closed with the engine switch in any mode other than off, the shift lever was in P (automatic transmission) or N (manual transmission) and the electronic key outside of the detection area. → **Turn the engine switch off.** **Bring the electronic key back into the vehicle.**
Once	Sounds once for 5 seconds	 (Flashes in yellow)	Indicates that the engine switch in any mode other than off, the shift lever was in P (automatic transmission), the electronic key outside of the detection area and attempt to lock the vehicle with smart entry & start system. → **Turn the engine switch off.** **Bring the electronic key back into the vehicle.**

Interior buzzer	Exterior buzzer	Warning light	Details/Actions
Once	Sounds 3 times	 (Flashes in yellow)	Indicates that a door other than the driver's door has been opened or closed with the engine switch in any mode other than off, the shift lever was in P (automatic transmission) or N (manual transmission) and the electronic key outside of the detection area. → **Turn the engine switch off. Bring the electronic key back into the vehicle.**
Once	—	 (Flashes in yellow for 15 seconds)	Indicates the electronic key is not present when attempting to start the engine. → **Confirm the location of the electronic key**
9 times	—	 (Flashes in yellow)	Indicate that an attempt was made to drive when the regular key was not inside the vehicle. → **Bring the electronic key back into the vehicle.**
Once	—	 (Flashes in yellow for 15 seconds)	Indicate that the electronic key battery is low. → **Replace the battery. (→P. 660)**
Once	—	 (Flashes quickly in green for 15 seconds)	Indicate that the steering lock has not been released. → **Release the steering lock. (→P. 275)**
Once	—	 (Flashes in yellow for 60 seconds)	• When the door were unlocked with the mechanical key and then the engine switch was pressed, the electronic key could not be detected in the vehicle. • The electronic key could not be detected in the vehicle even after the engine switch was pressed two consecutive times. → **Touch the electronic key to the engine switch while depressing the brake pedal (automatic transmission) or clutch pedal (manual transmission).**

Other warning light

Carrying out the corresponding action turns the warning light off.

Warning light	Warning light/Details/Actions
 (If equipped)	**Go to service warning light (warning buzzer)** Indicates a malfunction in the electronic engine control system or electronic throttle control system. → **Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer**
 (If equipped)	**Engine oil maintenance indicator** When the indicator flashes: Indicates that the engine oil is scheduled to be changed Comes on approximately 25000 km (15000 miles) after the engine oil is changed. (The indicator will not work properly unless the oil maintenance data has been reset.) → **Check the engine oil and change if necessary. After changing the engine oil, the oil change system should be reset. (→P. 616)** When the warning light is illuminated: Indicates that the engine oil and oil filter should be changed → **Have the engine oil and oil filter checked and/or changed by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer. After changing the engine oil, the oil change system should be reset. (→P. 616)**

■ Front passenger detection sensor and passenger seat belt reminder

- If luggage is placed on the front passenger seat, the front passenger detection sensor may cause the warning light to flash, even if a passenger is not sitting in the seat.
- If a cushion is placed on the seat, the sensor may not detect a passenger, and the warning light may not operate properly.

■ If the low speed four-wheel drive indicator light or the center differential lock indicator light blinks

Take the specified steps. (→Refer to the “Off-road Driving Owner’s Manual”)

■ **When the tire pressure warning light comes on (vehicles with the tire pressure warning system)**

Inspect the appearance of the tire to check that the tire is not punctured.

If the tire is punctured: →P. 713, 730

If the tire is not punctured:

Carry out the following procedure after the tire temperature has lowered sufficiently.

- Check the tire inflation pressure and adjust to the appropriate level.
- If the warning light does not go out even after several minutes, check that the tire inflation pressure is at the specified level and carry out initialization.(→P. 637)

The warning light may come on again if the above operations are conducted without first allowing the tire temperature to lower sufficiently.

■ **The tire pressure warning light may come on due to natural causes (vehicles with the tire pressure warning system)**

The tire pressure warning light may come on due to natural causes such as natural air leaks and tire inflation pressure changes caused by temperature. In this case, adjusting the tire inflation pressure will turn off the warning light (after a few minutes).

■ **When a tire is replaced with a spare tire (vehicles with a spare tire and the tire pressure warning system)**

The tire pressure warning light will turn on if the tire inflation pressure of the spare tire is low. If a tire goes flat, the tire pressure warning light will not turn off even though the flat tire has been replaced with the spare tire.

■ **Conditions that the tire pressure warning system may not function properly (vehicles with the tire pressure warning system)**

→P. 640

■ **If the tire pressure warning light frequently comes on after blinking for 1 minute (vehicles with the tire pressure warning system)**

If the tire pressure warning light frequently comes on after blinking for 1 minute when the engine switch is turned to the “ON” position (vehicles without a smart entry & start system) or IGNITION ON mode (vehicles with a smart entry & start system), have it checked by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **Warning buzzer**

In some cases, the buzzer may not be heard because of noisy place or an audio sound.

WARNING

■ **If both the ABS and the brake system warning lights remain on**

Stop your vehicle in a safe place immediately and contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer. The vehicle will become extremely unstable during braking, and the ABS system may fail, which could cause an accident resulting in death or serious injury.

■ **When the power steering system warning light comes on**

The steering wheel may become extremely heavy.
If the steering wheel becomes heavier than usual when operating, hold firmly and operate using more force than usual.

■ **If the tire pressure warning light comes on (vehicles with the tire pressure warning system)**

Be sure to observe the following precautions. Failure to do so could cause a loss of vehicle control and result in death or serious injury.

- Stop your vehicle in a safe place as soon as possible. Adjust the tire inflation pressure immediately.
- If the tire pressure warning light comes on even after tire inflation pressure adjustment, it is probable that you have a flat tire. Check the tires. If a tire is flat, change it with the spare tire and have the flat tire repaired by the nearest authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- Avoid abrupt maneuvering and braking. If the vehicle tires deteriorate, you could lose control of the steering wheel or the brakes.

■ **If a blowout or sudden air leakage should occur (vehicles with the tire pressure warning system)**

The tire pressure warning system may not activate immediately.

NOTICE

■ **To ensure the tire pressure warning system operates properly (vehicles with the tire pressure warning system)**

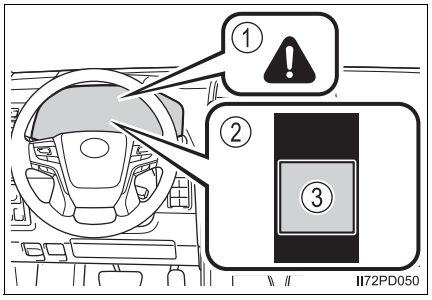
Do not install tires with different specifications or makers, as the tire pressure warning system may not operate properly.

■ **If the fuel filter warning light comes on (if equipped)**

Never drive the vehicle with the warning light on. Continued driving with water accumulated in the fuel filter will damage the fuel injection pump.

If a warning message is displayed*

The multi-information display shows warnings of system malfunctions, incorrectly performed operations, and messages that indicate a need for maintenance. When a message is shown, perform the correction procedure appropriate to the message.



① Master warning light

The master warning light also comes on or flashes in order to indicate that a message is currently being displayed on the multi-information display.

② Multi-information display

③ Handling method

Follow the instructions of the message on the multi-information display.

If any of the warning messages are shown again after the following actions have been performed, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

*: If equipped

Messages and warnings

The warning lights and warning buzzers operate as follows depending on the content of the message. If a message indicates the need for inspection by a dealer, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.

	System warning light	Warning buzzer*	Warning
Comes on	Comes on	Sounds	Indicates an important situation, such as when a system related to driving is malfunctioning or that danger may result if the correction procedure is not performed
Comes on	—	Sounds	
—	Comes on or flashes	Sounds	Indicates an important situation, such as when the systems shown on the multi-information display may be malfunctioning
Flashes	—	Sounds	Indicates a situation, such as when damage to the vehicle or danger may result
Comes on	—	Does not sound	Indicates a condition, such as malfunction of electrical components, their condition, or indicates the need for maintenance
Flashes	—	Does not sound	Indicates a situation, such as when an operation has been performed incorrectly, or indicates how to perform an operation correctly

The operation of the warning lights and warning buzzers may differ from those stated. in this case, perform the correction procedure according to the displayed message.

*: A buzzer sounds the first time a message is shown on the multi-information display.

■ **System warning lights**

The master warning light does not come on or flash in the following cases. Instead, a separate system warning light will come on along with a message or image shown on the multi-information display.

- Malfunction in the ABS
  The ABS warning light comes on. (→P. 696)
- Indicates that the PCS (Pre-Crash Safety system) is not currently functional
  The PCS warning light comes on or flashes. (if equipped) (→P. 696)
- Indicates that remaining fuel is low or that there is a malfunction in the fuel tank system*
  The low fuel level warning light comes on. (→P. 698)

  *: Vehicles with diesel engine
- Indicates that a door, the hood or the glass hatch is not fully closed while the vehicle is stopped.
  The Open door warning light comes on. (→P. 698)

■ **If "Engine oil pressure low" is shown (if equipped)**

Indicates abnormal engine oil pressure.

Immediately stop the vehicle in a safe place and contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer. Continuing to drive the vehicle may be dangerous.

■ **If a message instructing to refer to the Owner's Manual is displayed**

- If the following message is shown, there may be a malfunction.
  Immediately stop the vehicle in a safe place and contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer. Continuing to drive the vehicle may be dangerous.
  - "Braking power low stop in a safe place See owner's manual"
- If "DPF full Manual regeneration required See owner's manual" is shown, following the instruction, accordingly. (if equipped) (→P. 291)
- If a message relevant to the AdBlue™ is displayed, follow the instructions accordingly. (1GD-FTV engine) (→P. 628)

■ **If "High transmission fluid temperature" is shown, it indicates that the automatic transmission fluid temperature is too high. (vehicles with an automatic transmission)**

Immediately stop the vehicle in a safe place, shift the shift lever to P and wait until the warning message and light go off. If the warning message and light go off, you may start the vehicle again. If the warning message and light do not go off, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **If "Fuel Filter Maintenance Required" is shown (diesel engine)**

Indicates a malfunction in the fuel system. Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.

■ **If “Drain Water from Fuel Filter” is shown (diesel engine)**

Indicates that the amount of accumulated water in the fuel filter has reached the specified level. (→P. 626)

■ **If “Check air suspension system” is shown (vehicles with the rear height control air suspension)**

Immediately stop the vehicle in a safe place and contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
Continuing to drive the vehicle may be dangerous.

Refer to the “Off-road Driving Owner’s Manual” for more information regarding rear height control air suspension.

■ **If “Shift to P position when parked” is shown (if equipped)**

Message is displayed when the driver’s door is opened without turning the engine switch to off with the shift lever in any position other than P.
Shift the shift lever to P.

■ **If “Auto power off to conserve battery” is shown (if equipped)**

Power was turned off due to the automatic power off function.
Next time when starting the engine, increase the engine speed slightly and maintain that level for approximately 5 minutes to recharge the battery.

■ **When a message that indicates the need for the shift lever operation is shown (if equipped)**

To prevent the shift lever from being operated incorrectly or the vehicle from moving unexpectedly, a message that requires shifting the shift lever may be shown on the multi-information display. In that case, follow the instruction of the message and shift the shift lever.

■ **When “Headlight System Malfunction Visit Your Dealer” is displayed on the multi-information display (if equipped)**

The following systems may be malfunctioning. Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.

- The LED headlight system
- The automatic headlight leveling system
- Automatic High Beam

■ **If “Forward Camera System Unavailable” or “Forward Camera System Unavailable Clean Windshield” is displayed (if equipped)**

The following systems may be suspended until the problem shown in the message is resolved. (→P. 357, 695)

- PCS (Pre-Crash Safety system)
- LDA (Lane Departure Alert)
- Dynamic radar cruise control
- Automatic High Beam (if equipped)

■ **If “T-BELT maintenance required” is shown (1KD-FTV engine)**

Indicates that the timing belt is scheduled to be changed.

Have the timing belt checked and/or changed by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **If “Oil Maintenance Required Soon” is shown (if equipped)**

Indicates that the engine oil is scheduled to be changed. (The indicator will not work properly unless the message has been reset.)
Check the engine oil, and change if necessary. After changing the engine oil, the message should be reset. (→P. 616)

■ **If “Oil Maintenance Required” is shown (if equipped)**

Indicates that the engine oil should be changed. (The indicator will not work properly unless the message has been reset.)
Check and change the engine oil, and oil filter by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer. After changing the engine oil, the message should be reset. (→P. 616)

■ **If “Engine oil low” is shown**

Indicates that engine oil level is low.
Check the level of engine oil, and add if necessary.
This message may appear if the vehicle is stopped on a slope.
Move the vehicle to a level surface and check to see if the message disappears.

■ **If a following message is shown, take appropriate action and confirm that the message has disappeared. (if equipped)***

- “Crawl Not Available Select L4 and Shift to [D] or [R] Position”
- “Crawl Not Available Check System Operation Conditions”

*: Refer to the “Off-road Driving Owner’s Manual”.

■ **If “High electric power consumption Some functions disabled” is displayed (vehicles with 1GD-FTV engine)**

The operation of the following systems are disabled until the Heated Windshield Defroster is off and the message is resolved.

- Outer seconds seat heaters
- Luggage compartment power outlet (220 V AC)

■ **If “Visit Your Dealer” is shown**

The system or part shown on the multi-information display is malfunctioning. Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.

■ **Warning buzzer**

In some cases, the buzzer may not be heard due to being in a noisy location or audio sound.

NOTICE

■ **While the engine oil level warning is displayed**

Continued engine operation with low engine oil will damage the engine.

■ **Engine oil maintenance message (1GD-FTV engine only)**

The warning message is based on the projected driving range after engine oil maintenance message is reset. The system does not monitor the purity of the engine oil.

■ **If the “Drain Water from Fuel Filter” warning message is displayed (diesel engine)**

Never drive the vehicle if the warning message is displayed. Continued driving with water accumulated in the fuel filter will damage the fuel injection pump.

If you have a flat tire (vehicles without a spare tire)

Your vehicle is not equipped with a spare tire, but instead is equipped with an emergency tire puncture repair kit.
A puncture caused by a nail or screw passing through the tire tread can be repaired temporarily with the emergency tire puncture repair kit.

WARNING

■ **If you have a flat tire**

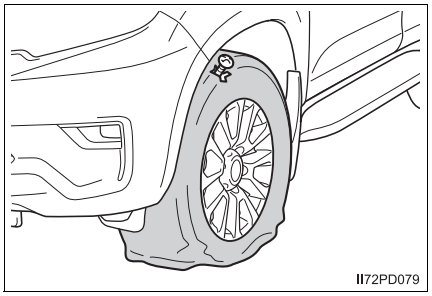
Do not continue driving with a flat tire.
Driving even a short distance with a flat tire can damage the tire and the wheel beyond repair, which could result in an accident.

Driving with a flat tire may cause a circumferential groove on the side wall. In such a case, the tire may explode when using a repair kit.

Before repairing the vehicle

- Stop the vehicle in a safe place on a hard, flat surface.
- Set the parking brake.
- Shift the shift lever to P (automatic transmission) or N (manual transmission).
- Turn off the rear height control air suspension (if equipped). (→Refer to the “Off-road Driving Owner’s Manual”)
- Stop the engine.
- Turn on the emergency flashers. (→P. 684)
- Check the degree of the tire damage.

A tire should only be repaired with the emergency tire puncture repair kit if the damage is caused by a nail or screw passing through the tire tread.



- Do not remove the nail or screw from the tire. Removing the object may widen the opening and disenable emergency repair with the kit.
- To avoid sealant leakage, move the vehicle until the area of the puncture, if known, is positioned at the top of the tire.

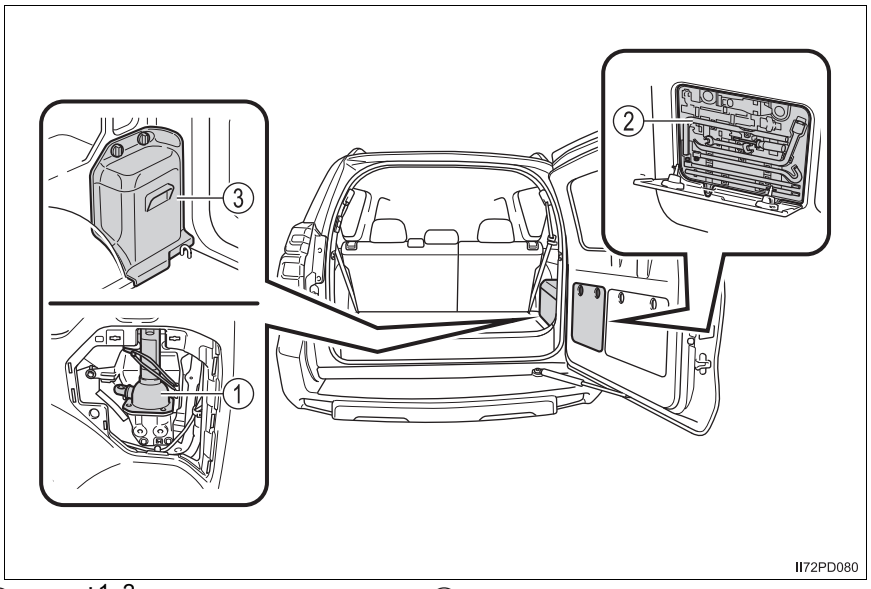
A flat tire that cannot be repaired with the emergency tire repair kit

In the following cases, the tire cannot be repaired with the emergency tire puncture repair kit. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

- When the tire is damaged due to driving without sufficient air pressure
- When the tire lost air pressure due to a crack or damage in the tire sidewall
- When the tire is visibly separated from the wheel
- When the cut or damage to the tread is 4 mm (0.16 in.) long or more
- When the wheel is damaged
- When two or more tires have been punctured
- When there is more than one hole or cut in the damaged tire

Location of the emergency tire puncture repair kit, jack and tools

▶ 3-door models



① Jack*1, 2

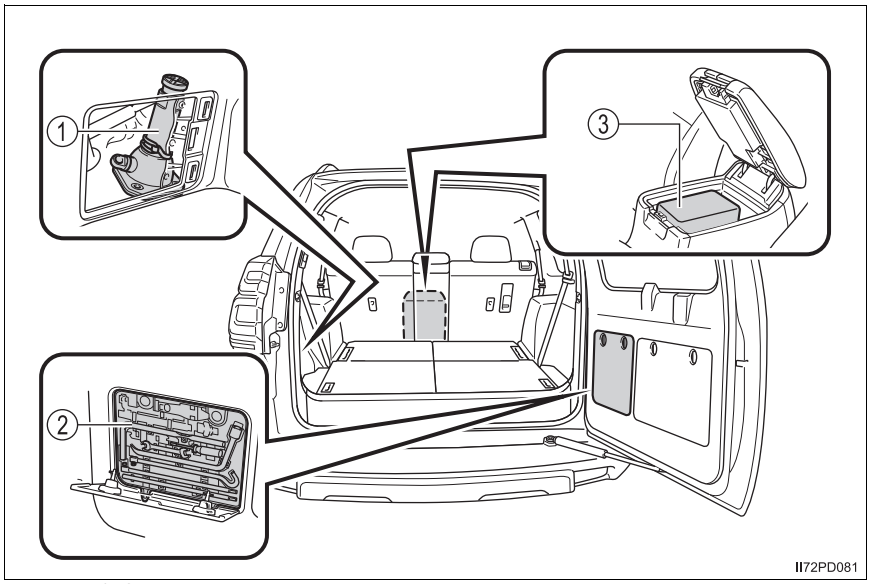
② Tool box*1, 2

③ Emergency tire puncture repair kit

*1: If equipped

*2: Use of the jack (→P. 742)

▶ 5-door models



① Jack*1, 2

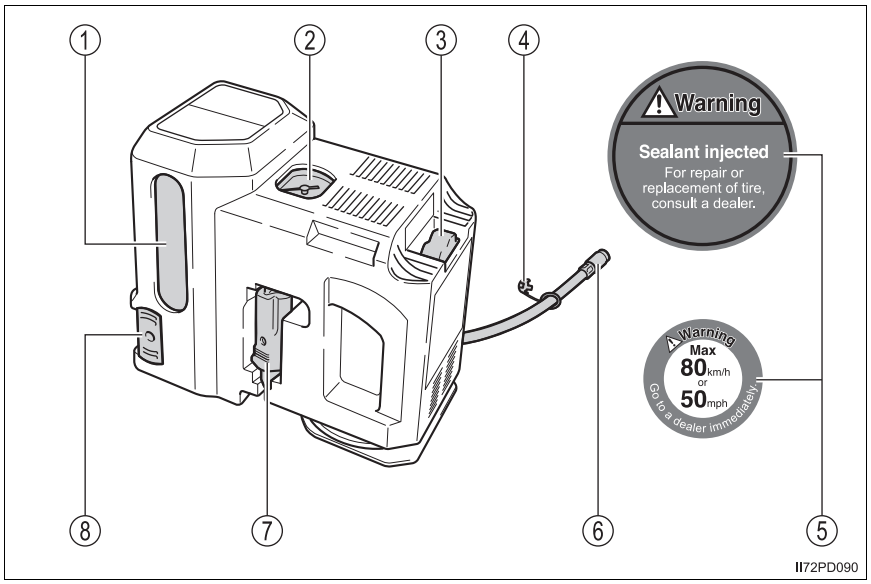
② Tool box*1, 2

③ Emergency tire puncture repair kit

*1: If equipped

*2: Use of the jack (→P. 742)

Emergency tire puncture repair kit components*



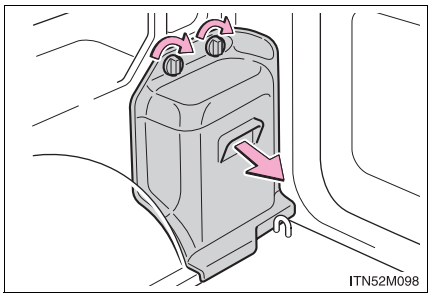
① Bottle
② Air pressure gauge
③ Compressor switch
④ Air release cap
⑤ Stickers
⑥ Hose
⑦ Power plug
⑧ Insertion key

*: If equipped

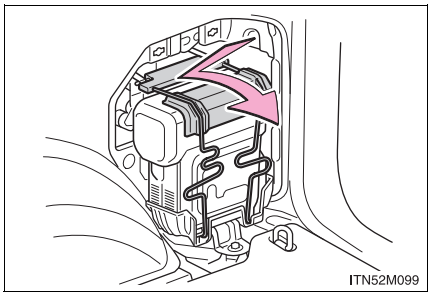
Taking out the emergency tire puncture repair kit

▶ 3-door models

1 Remove the cover.

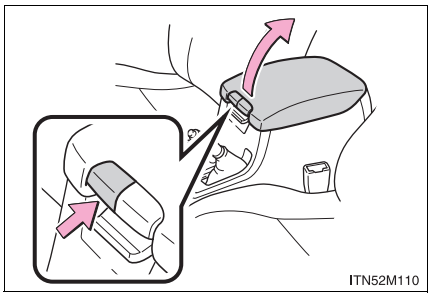


2 Take out the emergency tire puncture repair kit.

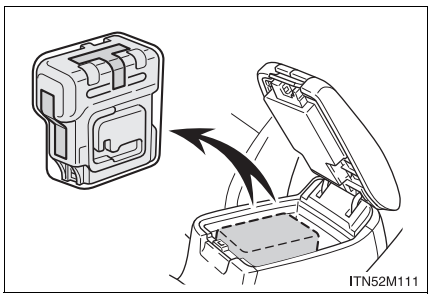


▶ 5-door models

1 Open the console box.

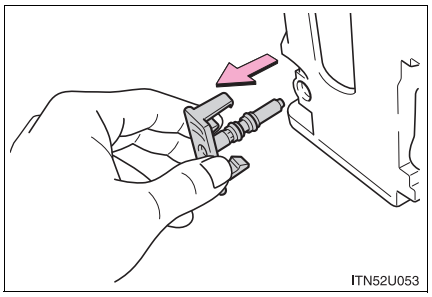


2 Take out the emergency tire puncture repair kit.



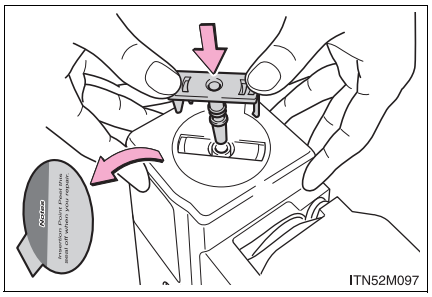
Emergency repair method

1 Pull the insertion key out of the kit.



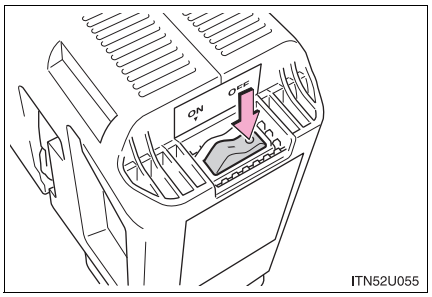
2 Place the kit with the bottom facing upward.

Peel off the label, and push in the insertion key until a click is heard.



3 Return the kit to an upright position and make sure that the compressor switch is off.

Use the kit with the top facing upward.

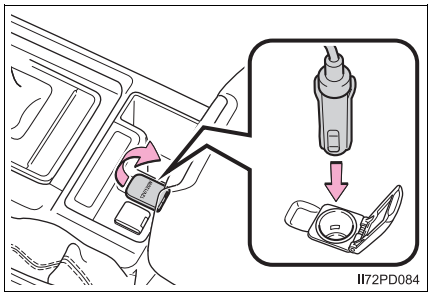


ITN52U055

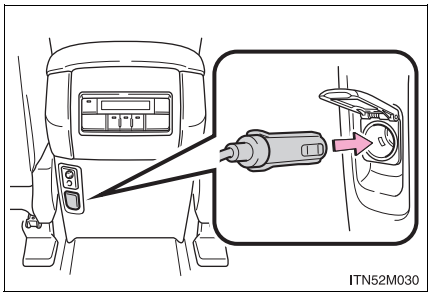
4 Connect the power plug to the power outlet socket. (→P. 582)

Open the cover and connect the power plug.

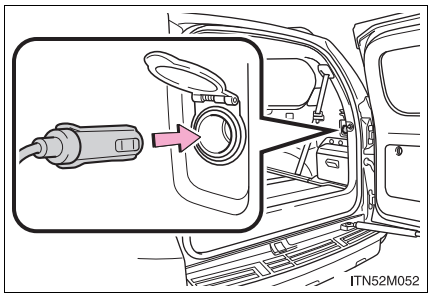
▶ Front


II72PD084

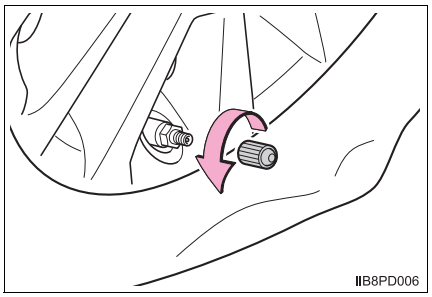
▶ Rear


ITN52M030

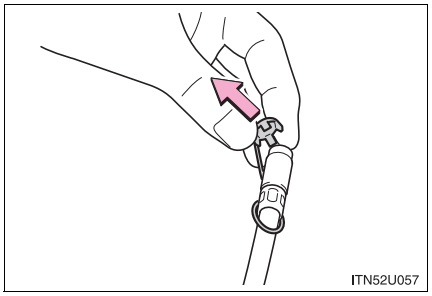
▶ Luggage compartment (DC12 V)


ITN52M052

5 Remove the valve cap from the valve of the punctured tire.

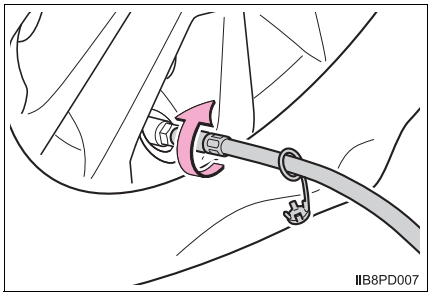


6 Remove the air release cap from the hose.



7 Connect the hose to the valve.

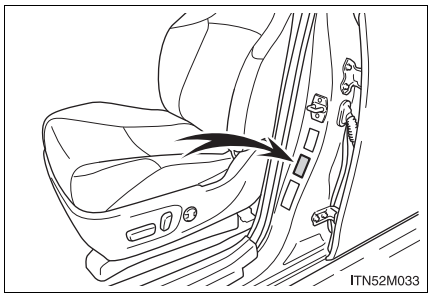
Screw the end of the hose clockwise as far as possible.



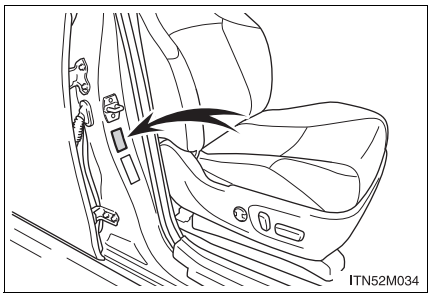
8 Check the specified tire inflation pressure

Tire inflation pressure is specified on the label as shown. (→P. 803)

▶ Left-hand drive vehicles



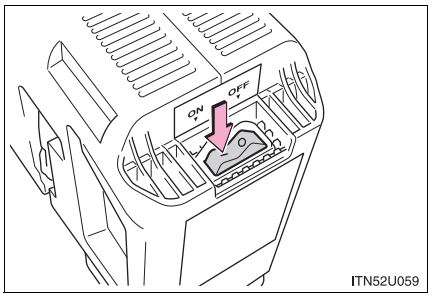
▶ Right-hand drive vehicles



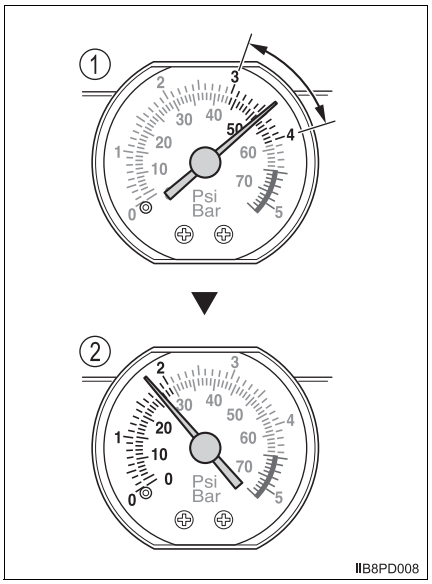
9 Start the engine. (→P. 268)

10 To inject the sealant and inflate the tire, turn the compressor switch on.

Use the kit with the top facing upward.



11 Inflate the tire until the recommended pressure is reached.



① The sealant will be injected and the pressure will spike to 300 kPa (3.0 kgf/cm^2 or bar, 44 psi) or 400 kPa (4.0 kgf/cm^2 or bar, 58 psi), then gradually decrease.

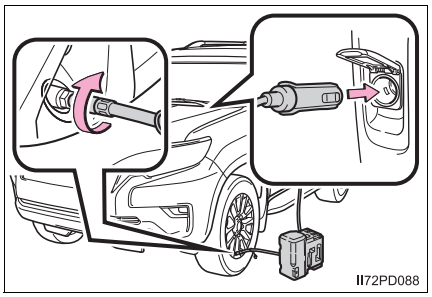
② The air pressure gauge will display the actual tire inflation pressure about 1 minute after the switch is turned on.

- Turn the compressor switch off and then check the tire inflation pressure. Being careful not to over inflate, check and repeat the inflation procedure until the recommended tire inflation pressure is reached.
- If the needle of the air pressure gauge reaches the red zone (450 kPa [4.5 kgf/cm^2 or bar, 65 psi] or more), there may be a malfunction in the tire or in the kit itself. Stop operation immediately.
- If the tire inflation pressure is still lower than the recommended level after inflation for 10 minutes with the switch on, the tire is too damaged to be repaired. Turn the compressor switch off and contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- If the tire inflation pressure exceeds the recommended level, let out some air to adjust the tire inflation pressure. (→P. 727)

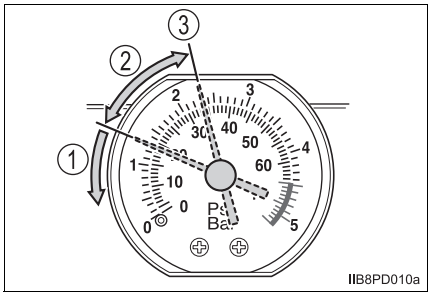
12 Disconnect the hose from the valve on the tire and then pull out the power plug from the power outlet socket.

13 To spread the liquid sealant evenly within the tire, immediately drive for about 5 km (3 miles).

14 After driving for about 5 km (3 miles), stop your vehicle in a safe place on a hard, flat surface and reconnect the compressor.



15 Turn the compressor switch on and wait for several seconds, then turn it off. Check the tire inflation pressure.



① If the tire inflation pressure is below 130 kPa (1.3 kgf/cm^2 or bar, 19 psi): The puncture cannot be repaired. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

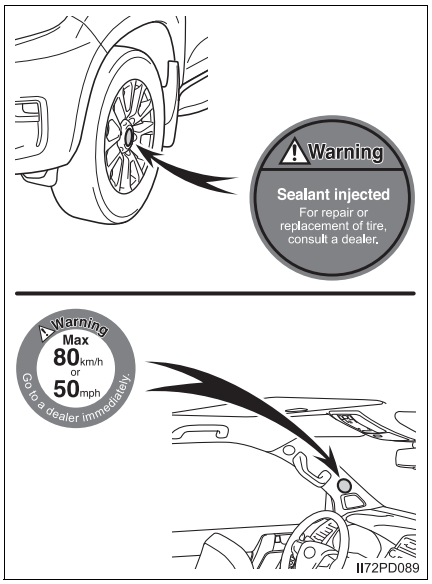
② If the tire inflation pressure is between 130 kPa (1.3 kgf/cm^2 or bar, 19 psi) and a point below the recommended level: The tire can be repaired. Proceed to step 16.

③ If the tire inflation pressure is at the recommended level: Proceed to step 17.

16 Turn the compressor switch on to inflate the tire until the recommended tire inflation pressure is reached. Drive for about 5 km (3 miles) and then perform step 14.

17 Store the kit and then attach the 2 stickers as shown.

Taking precautions to avoid sudden braking and sharp turns, drive carefully at under 80 km/h (50 mph) to the nearest authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer for tire repair or replacement.



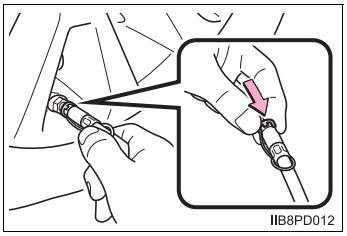
■ **Emergency tire puncture repair kit**

- The sealant has a limited lifespan. The expiry date is marked on the bottle. The sealant should be replaced before the expiry date. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer for replacement.
- The sealant stored in the emergency tire puncture repair kit can be used only once to temporarily repair a single tire. If the sealant in the bottle and other parts of the kit have been used and need to be purchased, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- The sealant can be used when the outside temperature is from -30 °C (-22 °F) to 60 °C (140 °F).
- The kit is exclusively designed for size and type of tires originally installed on your vehicle. Do not use it for tires that a different size than the original ones, or for any other purposes.
- If the sealant gets on your clothes, it may stain.
- If the sealant adheres to a wheel or the surface of the vehicle body, the stain may not be removable if it is not cleaned at once. Immediately wipe away the sealant with a wet cloth.
- During operation of the kit, a loud operation noise is produced. This does not indicate a malfunction.

■ **If the tire is inflated to more than the recommended level**

1 Disconnect the hose from the valve.

2 Install the air release cap to the end of the hose and push the protrusion on the air release cap into the valve to let some air out.



3 Disconnect the hose from the valve, remove the air release cap from the hose and then reconnect the hose.

4 Turn the compressor switch on and wait for several seconds, then turn it off. Check that the air pressure indicator shows the recommended level. (→P. 803)
If the air pressure is lower than the recommended level, turn the compressor switch on again and repeat the inflation procedure until the recommended pressure is reached.

■ **After a tire is repaired with the emergency tire puncture repair kit (vehicles with the tire pressure warning system)**

- The tire pressure warning valve and transmitter should be replaced.
- Even if the tire inflation pressure is at the recommended level, the tire pressure warning light may come on/flash.

WARNING

■ **Precautions for use of the sealant**

- Ingesting the sealant is hazardous to your health. If you ingest sealant, consume as much water as possible, then immediately consult a doctor.
- If sealant gets in eyes or adheres to skin, immediately wash it off with water. If discomfort persists, consult a doctor.

WARNING

■ **When fixing the flat tire**

- Stop your vehicle in a safe and flat area.
- Connect the valve and hose securely with the tire installed on the vehicle.
- If the hose is not properly connected to the valve, air leakage may occur or sealant may be sprayed out.
- If the hose comes off the valve while inflating the tire, there is a risk that the hose will move abruptly due to air pressure.
- After inflation of the tire has completed, the sealant may splatter when the hose is disconnected or some air is let out of the tire.
- Keep back from the tire while it is being repaired, as there is a chance of it bursting while the repair operation is being performed. If you notice any cracks or deformation of the tire, turn off the compressor switch and stop the repair operation immediately.
- The kit may overheat if operated for a long period of time. Do not operate the compressor continuously for more than 20 minutes.
- Parts of the kit become hot during operation. Be careful handling the kit during and after operation.
- Do not attach the vehicle speed warning sticker to an area other than the one indicated. If the sticker is attached to an area where an SRS airbag is located, such as the pad of the steering wheel, it may prevent the SRS air bag from operating properly.

■ **Driving to spread the liquid sealant evenly**

- Drive the vehicle carefully at a low speed. Be especially careful when turning and cornering.
- If the vehicle does not drive straight or you feel a pull through the steering wheel, stop the vehicle and check the following:
  - Tire condition. The tire may have separated from the wheel.
  - Tire inflation pressure. If tire inflation pressure is 130 kPa (1.3 kgf/cm^2 or bar, 19 psi) or below, this may indicate severe tire damage.

NOTICE

When performing an emergency repair

- Perform the emergency repair without removing the nail or screw that has punctured the tread of the tire. If the object that has punctured the tire is removed, repair by the emergency tire puncture repair kit may not be possible.
- The kit is not waterproof. Make sure that the kit is not exposed to water, such as when it is being used in the rain.
- Do not put the kit directly onto dusty ground such as sand at the side of the road. If the kit vacuums up dust etc., a malfunction may occur.
- Use the kit with the top facing upward. The kit cannot work properly if it is laid on its side.

Handling the emergency tire puncture repair kit

- The compressor power source should be 12 V DC suitable for vehicle use. Do not connect the compressor to any other source.
- If gasoline splatters on the kit, the kit may deteriorate. Take care not to allow gasoline to contact it.
- Store the kit in its assigned place out of reach of children.
- Do not disassemble or modify the kit. Do not subject parts such as the air pressure indicator to impacts. This may cause a malfunction.

To avoid damage to the tire pressure warning valves and transmitters (vehicles with the tire pressure warning system)

When a tire is repaired with liquid sealants, the tire pressure warning valve and transmitter may not operate properly. If a liquid sealant is used, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer as soon as possible. After use of liquid sealant, make sure to replace the tire pressure warning valve and transmitter when repairing or replacing the tire. (→P. 636)

If you have a flat tire (vehicles with a spare tire)

Your vehicle is equipped with a spare tire. The flat tire can be replaced with the spare tire.
For details about tires: →P. 634

⚠ WARNING

■ If you have a flat tire

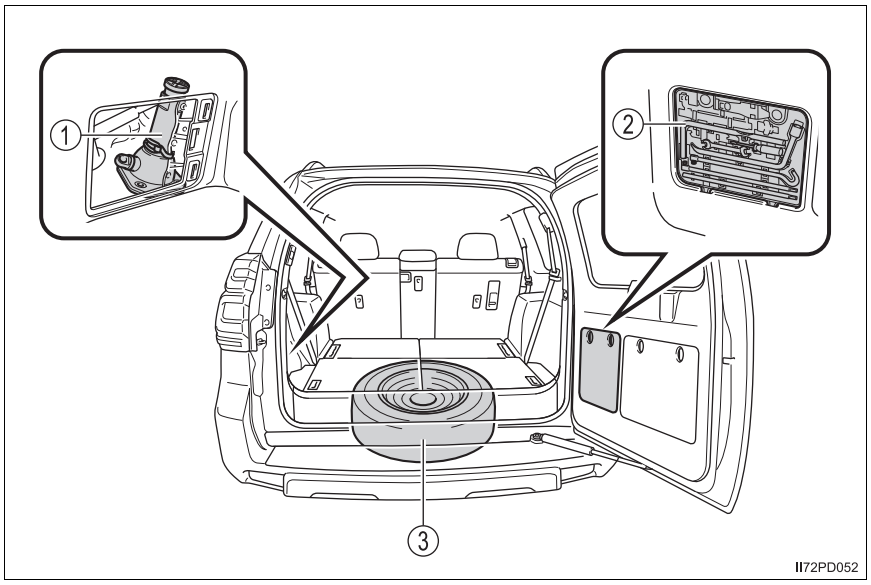
Do not continue driving with a flat tire.
Driving even a short distance with a flat tire can damage the tire and the wheel beyond repair, which could result in an accident.

Before jacking up the vehicle

- Stop the vehicle in a safe place on a hard, flat surface.
- Set the parking brake.
- Shift the shift lever to P (automatic transmission) or R (manual transmission).
- Turn off the rear height control air suspension (if equipped). (→Refer to the “Off-road Driving Owner’s Manual”)
- Stop the engine.
- Turn on the emergency flashers. (→P. 684)

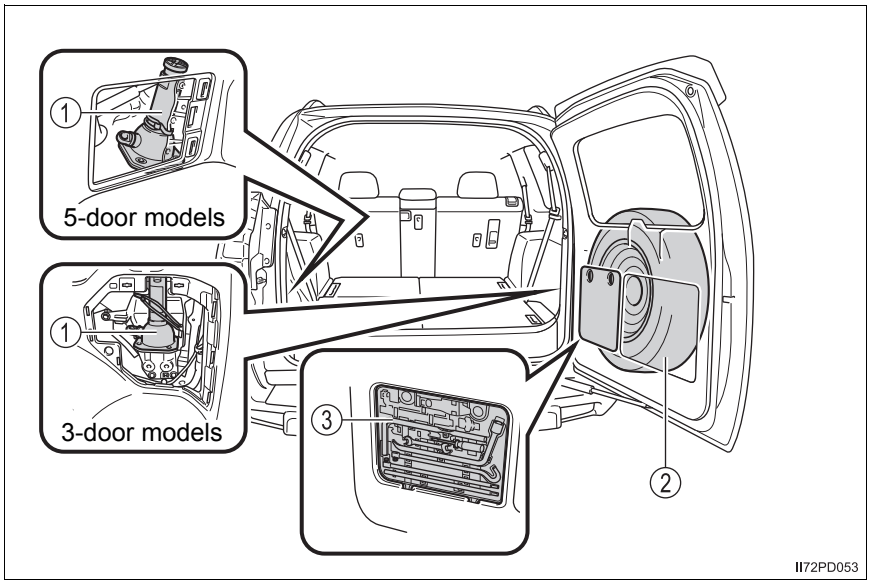
Location of the spare tire, jack and tools

▶ Vehicles with under floor mounted spare tire



① Jack
② Tool box
③ Spare tire

▶ Vehicles with back door mounted spare tire



① Jack
② Spare tire
③ Tool box

WARNING

■ Using the tire jack

Improper use of the tire jack may cause the vehicle to suddenly fall off the jack, leading to death or serious injury.

- Do not use the tire jack for any purpose other than replacing tires or installing and removing tire chains.
- Only use the tire jack that comes with this vehicle for replacing a flat tire. Do not use it on other vehicles, and do not use other tire jacks for replacing tires on this vehicle.
- Always check that the tire jack is securely set to the jack point.
- Do not put any part of your body under the vehicle while it is supported by the jack.
- Do not start or run the engine while your vehicle is supported by the jack.
- Do not raise the vehicle while someone is inside.
- When raising the vehicle, do not put an object on or under the jack.
- Do not raise the vehicle to a height greater than that required to replace the tire.
- Use a jack stand if it is necessary to get under the vehicle.
- Vehicles with rear height control air suspension: Be sure to turn off the height control and stop the engine.

Take particular care when lowering the vehicle to ensure that no one working on or near the vehicle will be injured.

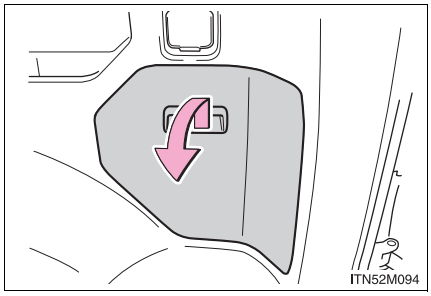
■ Using the jack handle

Tighten all the jack handle bolts securely using a Phillips-head screwdriver, to prevent the extension parts from coming apart unexpectedly.

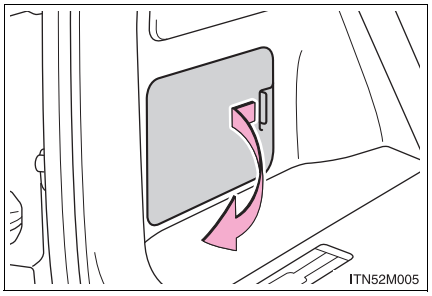
Taking out the jack

1 Remove the cover.

▶ 3-door models



▶ 5-door models

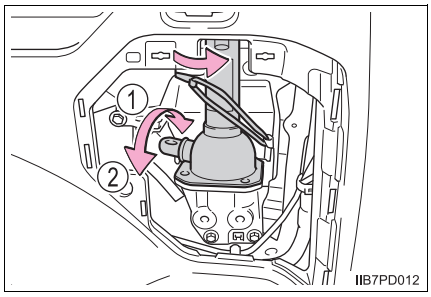


2 Unhook the rubber band and take out the jack.

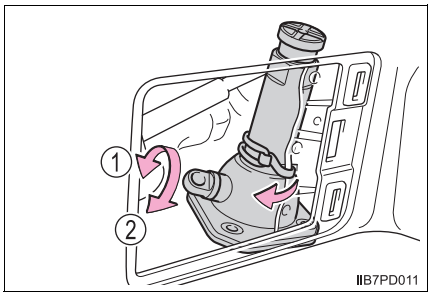
① For loosening

② For tightening

▶ 3-door models

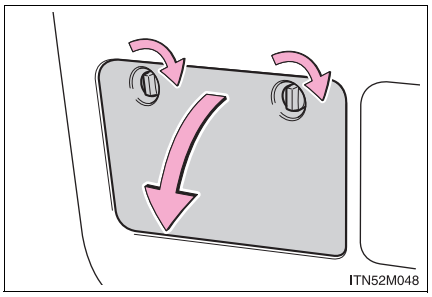


▶ 5-door models

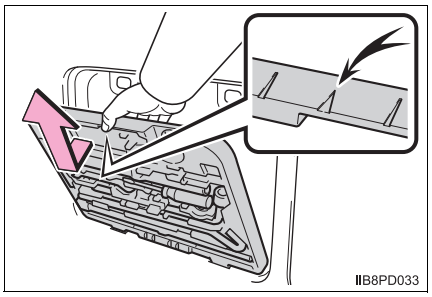


Taking out the tool box

1 Open the cover.



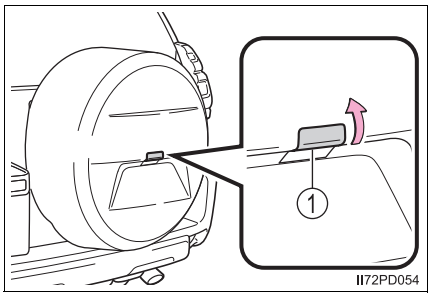
2 Take out the tool box.



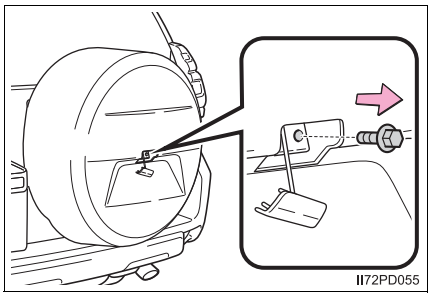
Taking out the spare tire cover (if equipped)

1 Remove the bolt cover

① Bolt cover

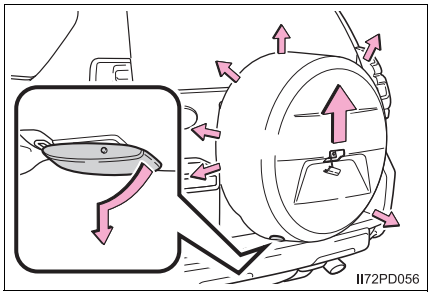


2 Remove the bolt which fixes the spare tire cover.



3 Unlock the latch and unhook the spare tire cover.

Opening the back door makes unlocking the latch easier.



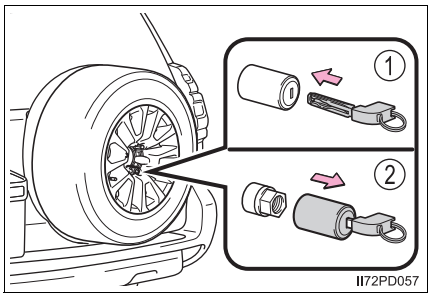
Taking out the spare tire

▶ Vehicles with back door mounted spare tire

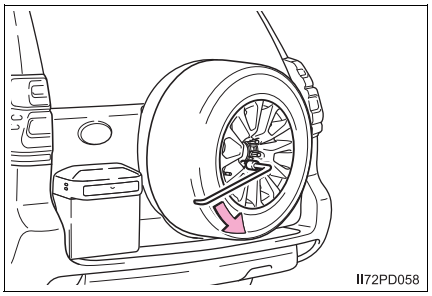
1 Unlock the spare tire lock system.

① Insert the key into the cylinder.

② Remove the key and the cylinder.



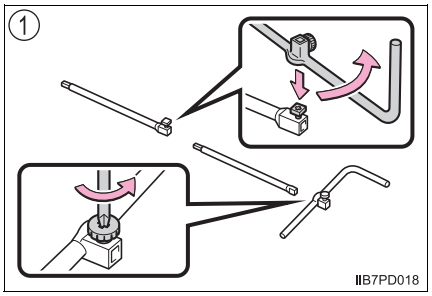
2 Turn the hold-down nuts counterclockwise with the wheel nut wrench and remove them.



▶ Vehicles with under floor mounted spare tire

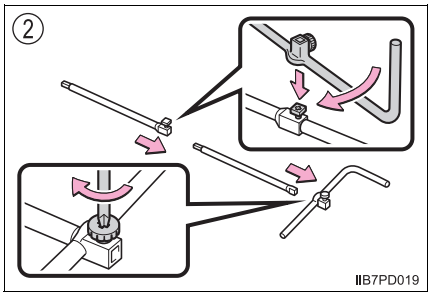
1 Assembling the jack handle.
Remove the jack handle and the jack handle extension bar from the tool box and assemble by following these steps.

① Loosen the bolt and the screw using either the jack handle end or a screwdriver.



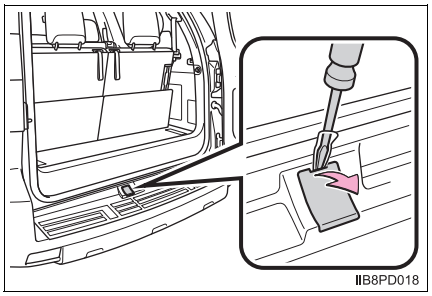
② Assemble the jack handle extension bar and the jack handle and tighten the bolt and the screw.

Check that the bolt and screw are firmly tightened.



2 Remove the cover.

To protect the bodywork, place a rag between the screwdriver and the vehicle body.

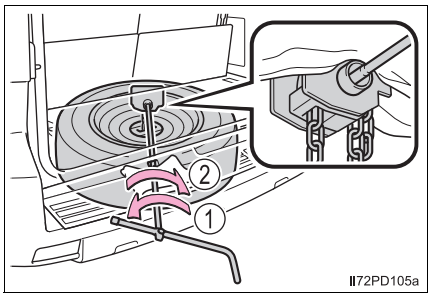


3 Insert the jack handle extension into the lowering screw.

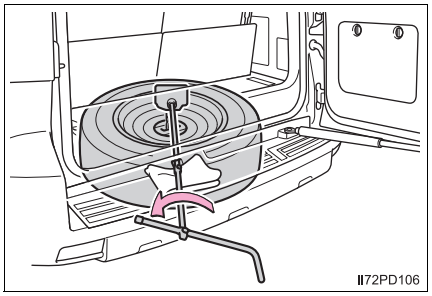
① Lower

② Raise

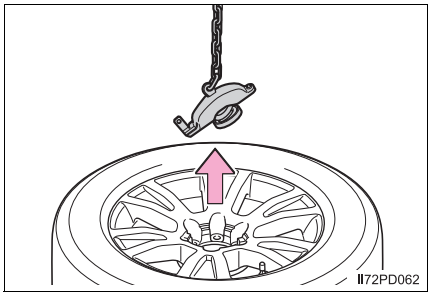
Place a rag under the jack handle extension to protect the rear bumper.



4 Lower the spare tire completely to the ground.

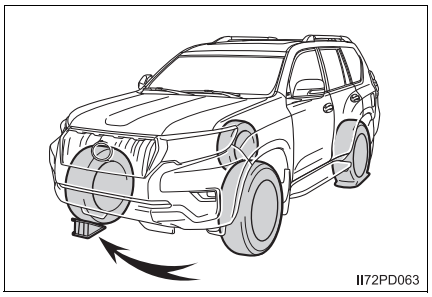


5 Pull out the spare tire and remove the holding bracket.



Replacing a flat tire

1 Chock the tires.

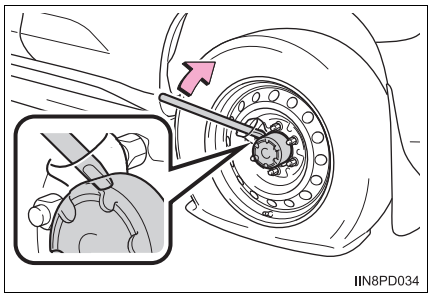


Flat tire		Wheel chock positions
Front	Left-hand side	Behind the rear right-hand side tire
	Right-hand side	Behind the rear left-hand side tire
Rear	Left-hand side	In front of the front right-hand side tire
	Right-hand side	In front of the front left-hand side tire

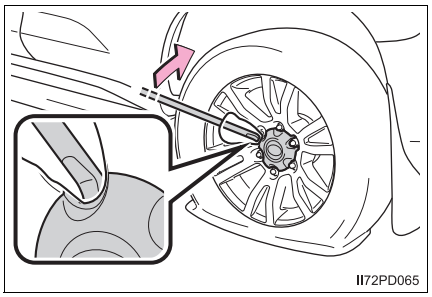
2 Pry off the wheel ornament, using the beveled end of the wheel nut wrench as shown.

To protect the wheel ornament, place a rag between the wheel nut wrench and the wheel ornament.

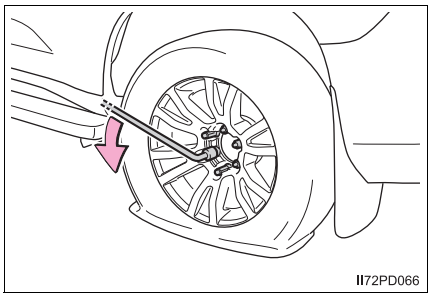
▶ Steel wheels



▶ Aluminum wheels

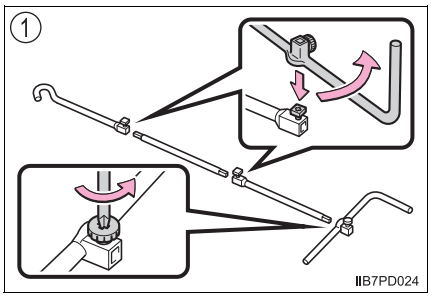


3 Slightly loosen the wheel nuts (one turn).



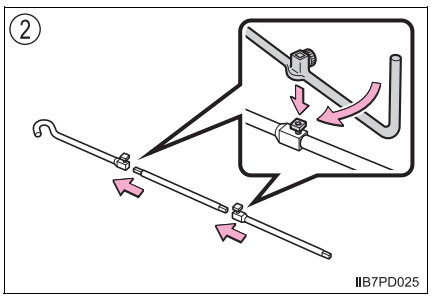
4 Assembling the jack handle.
Remove the jack handle, jack handle extension bar and jack handle bar from the tool box and assemble by following these steps.

① Loosen the bolt and the screw using either the jack handle end or a screwdriver.



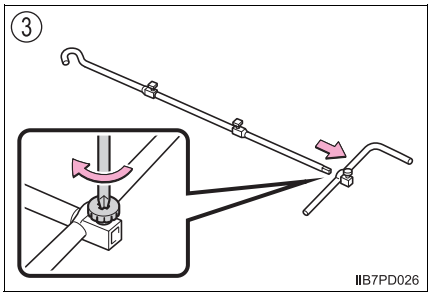
② Assemble the jack handle extension bar and the jack handle bar and tighten the bolts.

Check that the bolts are firmly tightened.



③ Assemble the jack handle extension bar and the jack handle and tighten the screw.

Check that the screw is firmly tightened.



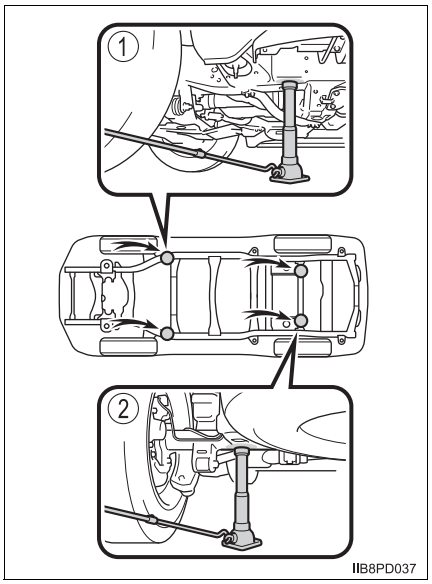
5 Position the jack at the jack points as shown.

① Front

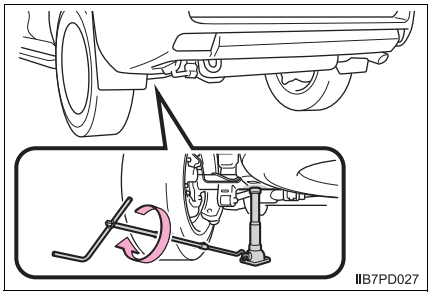
Under the chassis frame side rail

② Rear

Under the rear axle housing

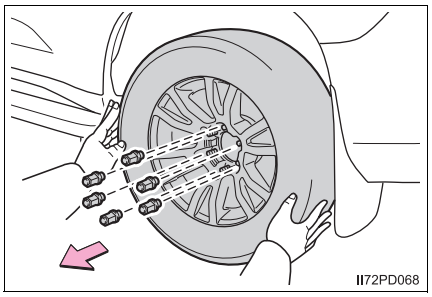


6 Raise the vehicle until the tire is slightly raised off the ground.



7 Remove all the wheel nuts and the tire.

When resting the tire on the ground, place the tire so that the wheel design faces up to avoid scratching the wheel surface.



WARNING

■ Replacing a flat tire

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

- Vehicles with under floor mounted spare tire: Lower the spare tire completely to the ground before removing it from under the vehicle.
- Do not try to remove the wheel ornament by hand. Take due care in handling the ornament to avoid unexpected personal injury.
- Do not touch the disc wheels or the area around the brakes immediately after the vehicle has been driven.
  After the vehicle has been driven the disc wheels and the area around the brakes will be extremely hot. Touching these areas with hands, feet or other body parts while changing a tire, etc. may result in burns.

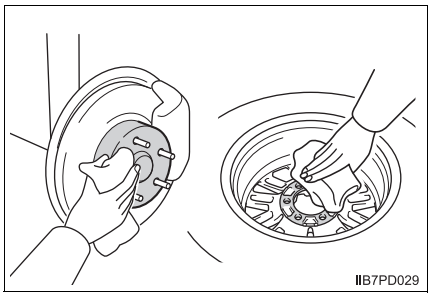
● Failure to follow these precautions could cause the wheel nuts to loosen and the tire to fall off, resulting in death or serious injury.

- Have the wheel nuts tightened with a torque wrench to 112 N•m (11.4 kgf•m, 83 ft•lbf) steel wheels, 103 N•m (10.5 kgf•m, 76 ft•lbf) aluminum wheels, 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.
- Do not attach a heavily damaged wheel ornament, as it may fly off the wheel while the vehicle is moving.
- If there are any cracks or deformations in the bolt screws, nut threads or bolt holes of the wheel, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- When installing a tire, only use wheel nuts that have been specifically designed for that wheel.
- When installing the wheel nuts, be sure to install them with the tapered ends facing inward. (→P. 656)

Installing the spare tire

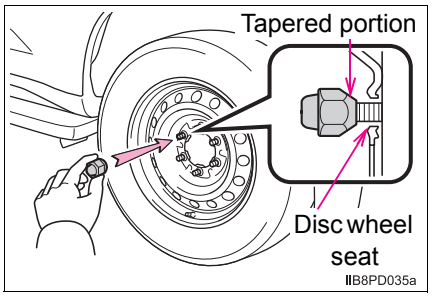
1 Remove any dirt or foreign matter from the wheel contact surface.

If foreign matter is on the wheel contact surface, the wheel nuts may loosen while the vehicle is in motion, and the tire to come off.

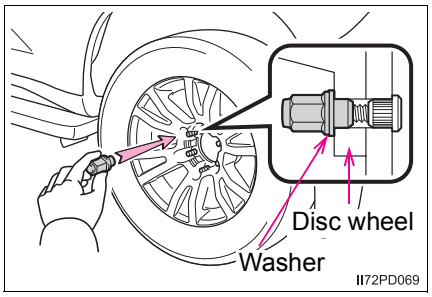


2 Install the spare tire and loosely tighten each nut by hand to approximately the same amount.

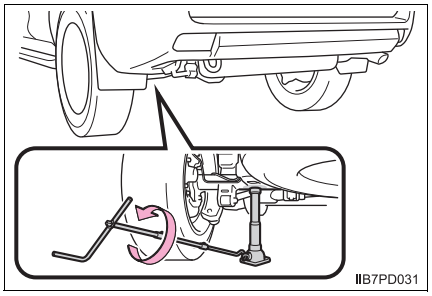
When replacing a steel wheel with a steel wheel, tighten the wheel nuts until the tapered portion comes into loose contact with the disc wheel seat.



When replacing an aluminum wheel with an aluminum wheel, turn the wheel nuts until the washers come into contact with the disc wheel.

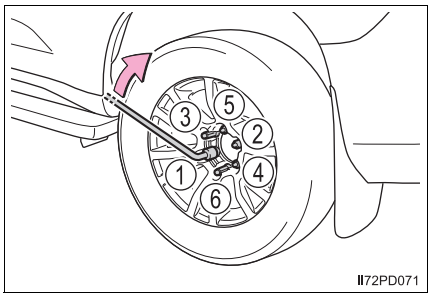


3 Lower the vehicle.



4 Firmly tighten each nut two or three times in the order shown in the illustration.

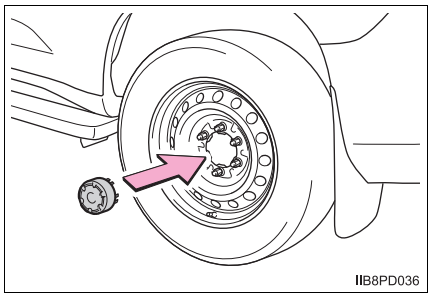
Tightening torque
Steel wheels:
112 N•m (11.4 kgf•m, 83 ft•lbf)
Aluminum wheels:
103 N•m (10.5 kgf•m, 76 ft•lbf)



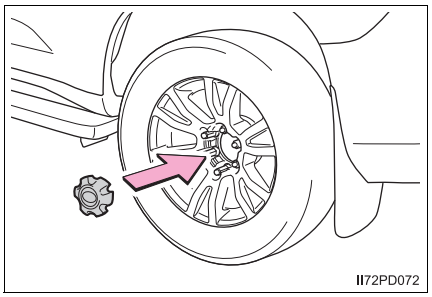
II72PD071

5 Reinstall the wheel ornament.

▶ Steel wheels


IIB8PD036

▶ Aluminum wheels


II72PD072

6 Stow the flat tire, tools and jack securely, and replace all covers.

WARNING

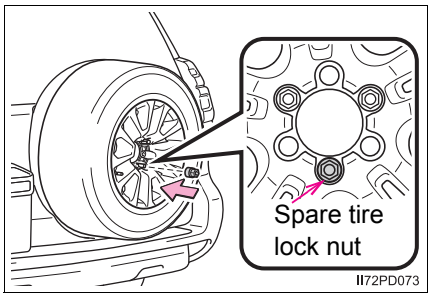
■ Stowing the flat tire

Failure to follow steps listed under stowing the tire may result in damage to the spare tire carrier and loss of the tire, which could result in death or serious injury.

Stowing the flat/spare tire, jack and tools

▶ Vehicles with back door mounted spare tire

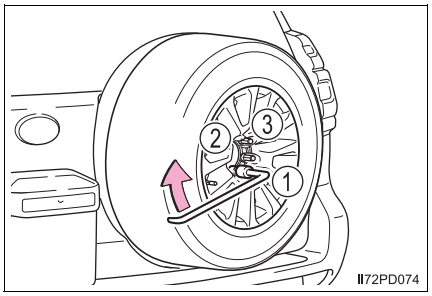
1 Install the tire and loosely tighten each nut by hand to approximately the same amount.



2 Firmly tighten each nut two or three times in the order shown in the illustration.

Tightening torque:
60 N•m (6.0 kgf•m, 44 ft•lbf)

Tighten the spare tire lock nut first.



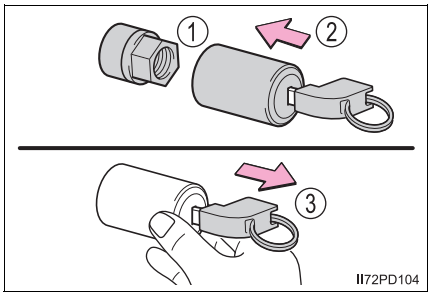
3 Lock the spare tire lock system

① Spare tire lock nut.

② Insert the key and cylinder.

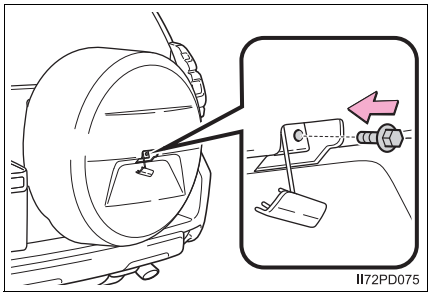
③ Remove the key while holding the cylinder in place.

Check that the cylinder is locked securely.



4 Vehicles with the spare tire cover: Install the spare tire cover in the reverse order of removal.

Tightening torque:
14 N•m (1.4 kgf•m, 10 ft•lbf)



5 Stow the tools and jack securely, and replace all covers.

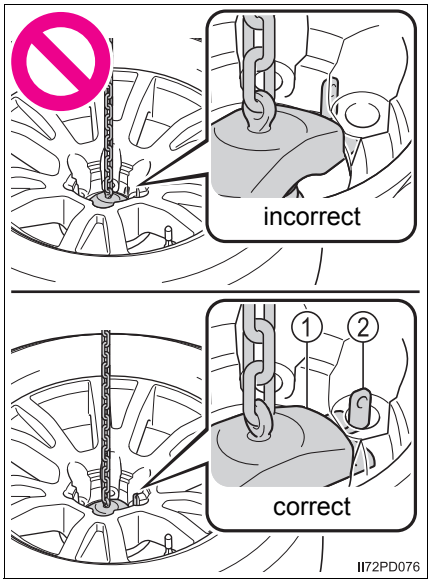
▶ Vehicles with under floor mounted spare tire

1 Lay down the tire with the valve stem facing up and install the holding bracket, inserting the claw into the wheel lug nut hole. Turn the jack handle extension clockwise to take up slack in the chain.

Then, check to ensure the claw is in the wheel lug nut hole and the holding bracket is centered in the wheel hub.

① Holding bracket

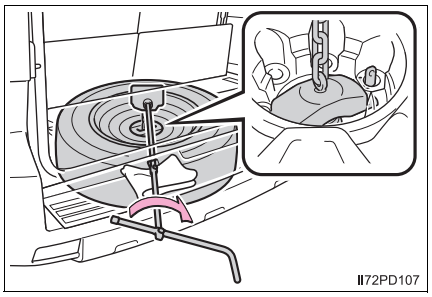
② Claw



2 Raise the tire.

▶ Vehicles without kinetic dynamic suspension

While raising, secure the tire, taking care that the tire goes straight up without catching on any surrounding part, to prevent it from flying forward during a collision or sudden braking.



▶ Vehicles with kinetic dynamic suspension

While raising, pull the tire towards the rear of the vehicle, taking care that the tire goes up without catching on any surrounding part, to prevent it from flying forward during a collision or sudden braking.

After the tire goes half way up, check that the suspended chain is able to enter the tire hole, for proper storage.

Tightening torque:

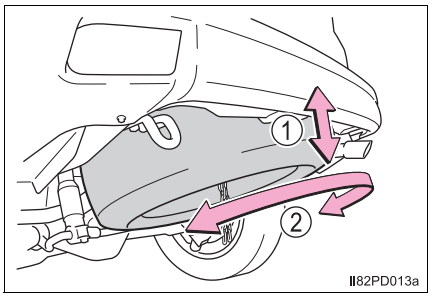
46.6 N•m (4.8 kgf•m, 34.4 ft•lbf)

3 Confirm that the tire is not loose after tightening:

① Push and pull the tire

② Try rotating

Visually check to ensure the tire is not hung on surrounding parts.



If looseness or misassembly exists, repeat step 2 and step 3.

4 Repeat step 3, any time the tire is lowered or disturbed.

5 Stow the tools and jack securely, and replace all covers.

■ **Vehicles with spare tire lock system (vehicles with back door mounted spare tire)**

Use the spare tire lock nut only for the spare tire carrier.

Certification for the jack

Declaration of Conformity

Manufacturer: OKAYA&CO.,LTD. / TAKEUCHI INDUSTRIAL CO.,LTD.

EU Representative:

The EU Directives covered by this Declaration

1999/5/EC R &TTE Directive of the European Parliament and of the Council
2006/95/EC Low Voltage Directive

The product covered by the declaration

Model 1.8 t
The basis on which conformity is being declared

The product identified above complies with the requirements of Low Voltage Directive and R&TTE Directive above by meeting following standards.

ISO0901/JISD8103

The technical documentation required to demonstrate that the product meets the requirements of LVD and R&TTED has been complied by the signatory below and is available for inspection by the relevant enforcement authorities.

A sample of the product has been tested by the manufacturer,

Technical File No: E-HA0296 / E-HA0297
The CE mark was first applied in 2010
Done at January 26, 2010

OKAYA&CO.,LTD.
Fumihiko Yoshida



TAKEUCHI INDUSTRIAL CO.,LTD.
Masuo Takeuchi



WARNING

■ **After using the tools and jack**

Before driving, make sure all the tools and jack are securely in place in their storage location to reduce the possibility of personal injury during a collision or sudden braking.

NOTICE

■ **When stowing the flat tire (vehicles with under floor mounted spare tire)**

Ensure that there is no object caught between the tire and the vehicle underbody.

■ **When assembling the jack handle extension**

Tighten all the joints securely. Otherwise the extension may come off and it may damage the paint or vehicle body.

If the engine will not start

If the engine will not start even though correct starting procedures are being followed (→P. 264, 268), consider each of the following points:

The engine will not start even when the starter motor operates normally.

One of the following may be the cause of the problem:

- There may not be sufficient fuel in the vehicle's tank.
  Gasoline engine: Refuel the vehicle.
  Diesel engine: →P. 768
- The engine may be flooded. (gasoline engine)
  Try to restart the engine again following correct starting procedures. (→P. 264, 268)
- There may be a malfunction in the engine immobilizer system. (→P. 85)

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. 757)
- The battery terminal connections may be loose or corroded.

The starter motor does not turn over (vehicles with a smart entry & start system).

The engine starting system may be malfunctioning due to an electrical problem such as an open circuit or a blown fuse. However, an interim measure is available to start the engine. (→P. 752)

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. 757)
- There may be a malfunction in the steering lock system. (vehicles with a smart entry & start system)

  Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer if the problem cannot be repaired, or if repair procedures are unknown.

Emergency start function (vehicles with a smart entry & start system)

When the engine does not start, the following steps can be used as an interim measure to start the engine if the engine switch is functioning normally.

1. Set the parking brake.
2. Put the shift lever in P (automatic transmission) or N (manual transmission).
3. Turn the engine switch to ACCESSORY mode.
4. Press and hold the engine switch for about 15 seconds while depressing the brake pedal (automatic transmission) or brake and clutch pedals (manual transmission) firmly.

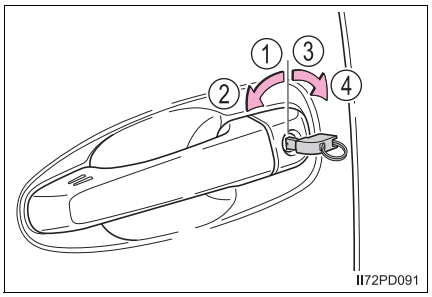
Even if the engine can be started using the above steps, the system may be malfunctioning. Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

If the electronic key does not operate properly (vehicles with a smart entry & start system)

If communication between the electronic key and vehicle is interrupted (→P. 172) or the electronic key cannot be used because the battery is depleted, the smart entry & start system and wireless remote control cannot be used. In such cases, the doors can be opened and the engine can be started by following the procedure below.

Locking and unlocking the doors and key linked functions

Use the mechanical key (→P. 142) in order to perform the following operations:



① Locks all doors

② Closes the windows and moon roof* (turn and hold)

③ Unlocks all doors

④ Opens the windows and moon roof* (turn and hold)

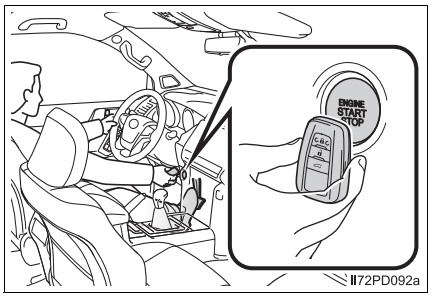
*: These settings must be customized at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

Starting the engine

▶ Automatic transmission

1 Ensure that the shift lever is in P and depress the brake pedal.

2 Touch the Toyota emblem side of the electronic key to the engine switch.



When the electronic key is detected, a buzzer sounds and the engine switch will turn to IGNITION ON mode.

When the smart entry & start system is deactivated in customization setting, the engine switch will turn to ACCESSORY mode.

3 Firmly depress the brake pedal and check that  is shown on the instrument cluster.

4 Press the engine switch shortly and firmly.

In the event that the engine switch still cannot be operated, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

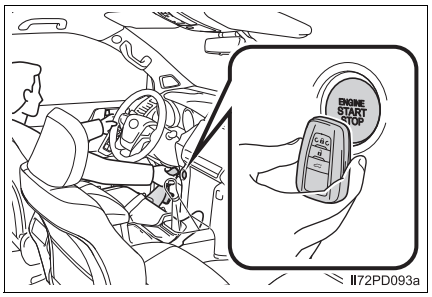
▶ Manual transmission

1 Shift the shift lever to N and depress the clutch pedal.

2 Touch the Toyota emblem side of the electronic key to the engine switch.

When the electronic key is detected, a buzzer sounds and the engine switch will turn to IGNITION ON mode.

When the smart entry & start system is deactivated in customization setting, the engine switch will turn to ACCESSORY mode.



3 Firmly depress the clutch pedal and check that  is shown on the instrument cluster.

4 Press the engine switch shortly and firmly.

In the event that the engine switch still cannot be operated, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **Stopping the engine**

▶ Vehicles with an automatic transmission

Shift the shift lever to P and press the engine switch as you normally do when stopping the engine.

▶ Vehicles with a manual transmission

Shift the shift lever to N and press the engine switch as you normally do when stopping the engine.

■ **Replacing the key battery**

As the above procedure is a temporary measure, it is recommended that the electronic key battery be replaced immediately when the battery is depleted. (→P. 660)

■ **Alarm (if equipped)**

Using the mechanical key to lock the doors will not set the alarm system.
If a door is unlocked using the mechanical key when the alarm system is set, the alarm may be triggered. (→P. 99)

■ **Changing engine switch modes**

▶ Vehicles with an automatic transmission

Release the brake pedal and press the engine switch in step 3 above.

The engine does not start and modes will be changed each time the switch is pressed. (→P. 271)

▶ Vehicles with a manual transmission

Release the clutch pedal and press the engine switch in step 3 above.

The engine does not start and modes will be changed each time the switch is pressed. (→P. 271)

■ **When the electronic key does not work properly**

- Make sure that the smart entry & start system has not been deactivated in the customization setting. If it is off, turn the function on.
  (Customizable features: →P. 809)
- Check if battery-saving mode is set. If it is set, cancel the function.
  (→P. 171)

⚠ WARNING

■ **When using the mechanical key and operating the power windows or moon roof**

Operate the power window or moon roof after checking to make sure that there is no possibility of any passenger having any of their body parts caught in the window or moon roof.

Also, do not allow children to operate the mechanical key. It is possible for children and other passengers to get caught in the power window or moon roof.

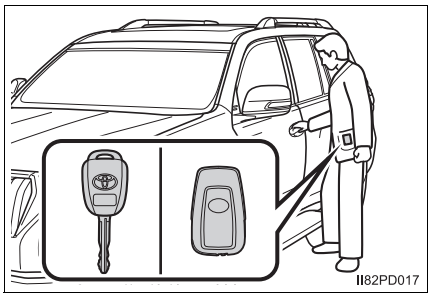
If the vehicle battery is discharged

The following procedures may be used to start the engine if the vehicle's battery is discharged.
You can call any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

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.

1 Confirm that the key is being carried.

When connecting the jumper (or booster) cables, depending on the situation, the alarm may activate and the doors may lock. (→P. 101)

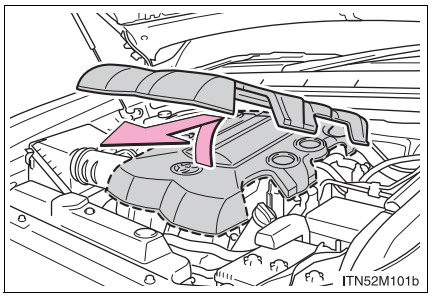


2 Open the hood. (→P. 607)

3 Remove the engine cover.

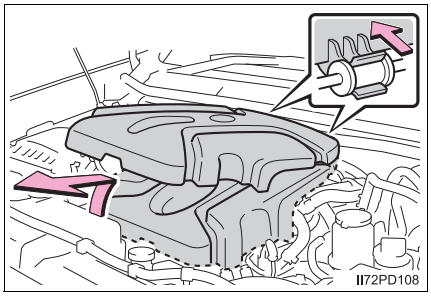
▶ Vehicles with 1GR-FE engine

Lift the edge of the cover to disengage the fixed pins, and then pull the cover towards you to remove it.



▶ Vehicles with 1GD-FTV engine

Lift the edge of the cover to disengage the fixed pins, and then pull the cover towards you to remove it.



4 Connect the jumper cables according to the following procedures:

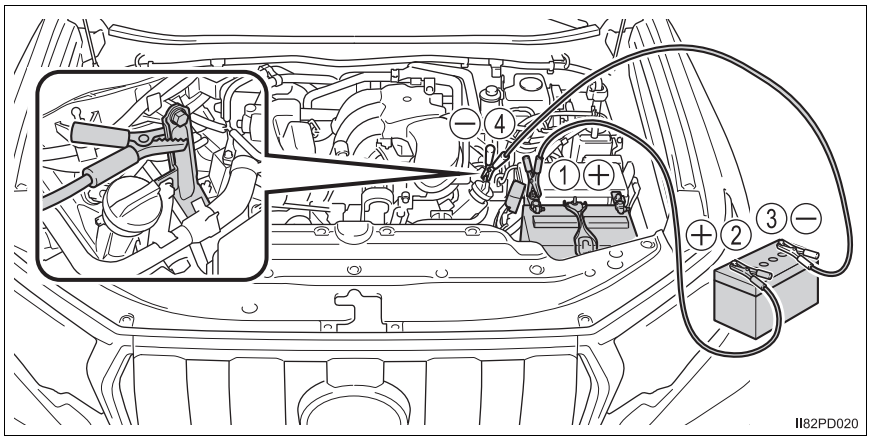
① Positive (+) battery terminal on your vehicle

② Positive (+) battery terminal on the second vehicle

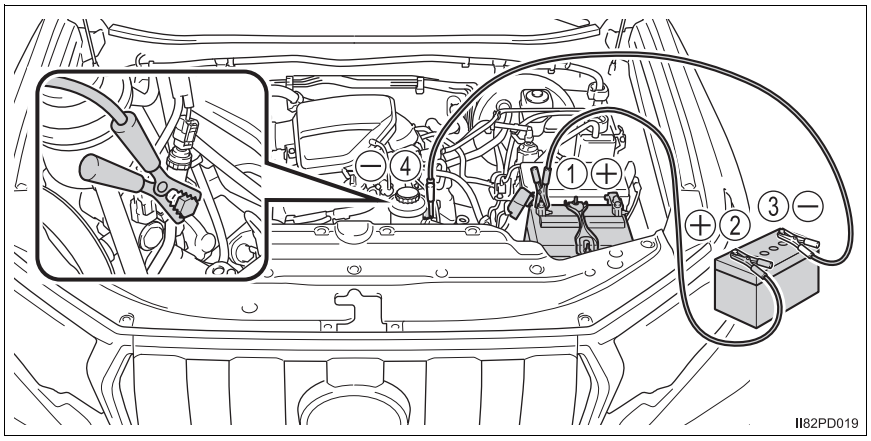
③ Negative (-) battery terminal on the second vehicle

④ Connect the jumper cable to ground on your vehicle as shown in the illustration.

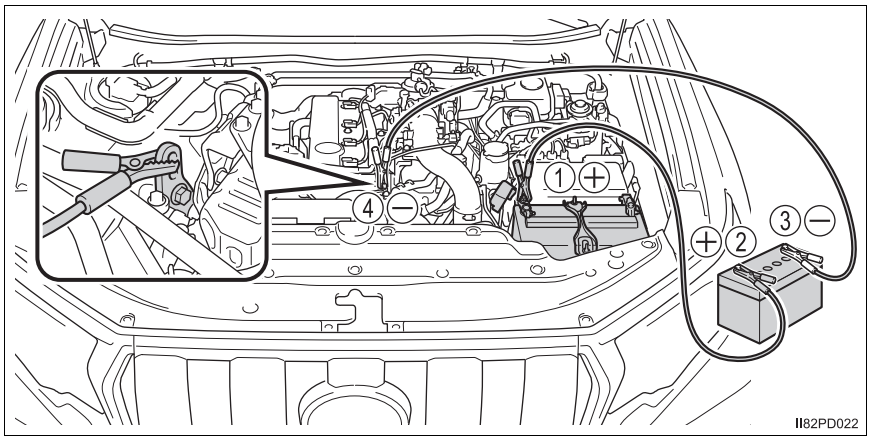
▶ 1GR-FE engine



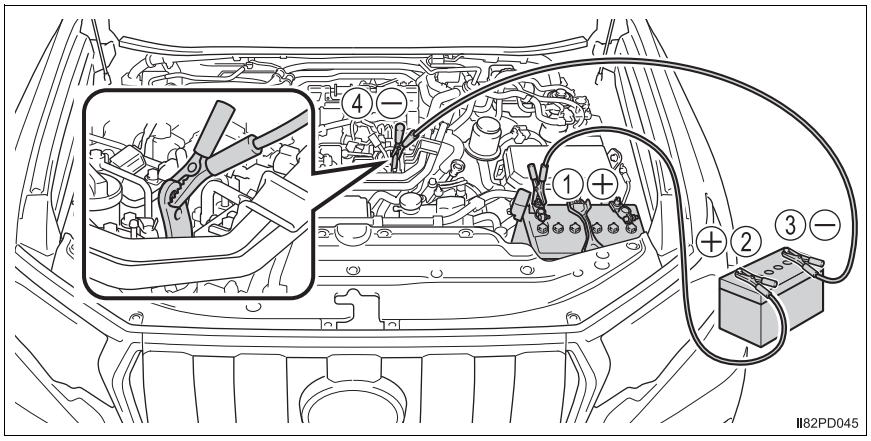
▶ 2TR-FE engine



▶ 1KD-FTV engine



▶ 1GD-FTV engine



5 Start the engine of the second vehicle. Increase the engine speed slightly and maintain at that level for approximately 5 minutes to recharge the battery of your vehicle.

6 Vehicles with a smart entry & start system: Open and close any of the doors with the engine switch off.

7 Vehicles without a smart entry & start system: Maintain the engine speed of the second vehicle and start the engine of your vehicle.
Vehicles with a smart entry & start system: Maintain the engine speed of the second vehicle and start the engine of your vehicle by turning the engine switch to IGNITION ON mode.

8 Once the vehicle's engine has started, remove the jumper cables in the exact reverse order in which they were connected.

9 Vehicles with 1GR-FE and 1GD-FTV engines: To install the engine cover, conduct the removal procedure in reverse. After installing, check that the fixed pins are inserted securely.

Once the engine starts, have the vehicle checked at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer, as soon as possible.

■ **Starting the engine when the battery is discharged (vehicles with an automatic transmission)**

The engine cannot be started by push-starting.

■ **To prevent battery discharge**

- Turn off the headlights and the audio system while the engine is off.
- Turn off any unnecessary electrical components when the vehicle is running at a low speed for an extended period, such as in heavy traffic.

■ **Charging the battery**

The electricity stored in the battery will discharge gradually even when the vehicle is not in use, due to natural discharge and the draining effects of certain electrical appliances. If the vehicle is left for a long time, the battery may discharge, and the engine may be unable to start. (The battery recharges automatically during driving.)

■ **When recharging or replacing the battery (vehicles with a smart entry & start system)**

- In some cases, it may not be possible to unlock the doors using the smart entry & start system when the battery is discharged. Use the wireless remote control or the mechanical key to lock or unlock the doors.
- The engine may not start on the first attempt after the battery has recharged but will start normally after the second attempt. This is not a malfunction.
- The engine switch mode is memorized by the vehicle. When the battery is reconnected, the system will return to the mode it was in before the battery was discharged. Before disconnecting the battery, turn the engine switch off. If you are unsure what mode the engine switch was in before the battery discharged, be especially careful when reconnecting the battery.

WARNING

■ Avoiding battery fires or explosions

Observe the following precautions to prevent accidentally igniting the flammable gas that may be emitted from the battery:

- Make sure the jumper cable is connected to the correct terminal and that it is not unintentionally in contact with any other than the intended terminal.
- Do not allow the + and - clamps of the jumper cables to come into contact with each other.
- Do not smoke, use matches, cigarette lighters or allow open flame near the battery.

■ Battery precautions

The battery contains poisonous and corrosive acidic electrolyte, while related parts contain lead and lead compounds. Observe the following precautions when handling the battery:

- When working with the battery, always wear safety glasses and take care not to allow any battery fluids (acid) to come into contact with skin, clothing or the vehicle body.
- Do not lean over the battery.
- In the event that battery fluid comes into contact with the skin or eyes, immediately wash the affected area with water and seek medical attention. Place a wet sponge or cloth over the affected area until medical attention can be received.
- Always wash your hands after handling the battery support, terminals, and other battery-related parts.
- Do not allow children near the battery.

■ To prevent damaging the vehicle (vehicles with a manual transmission)

Do not pull- or push-start the vehicle, because the catalytic converter may overheat and become a fire hazard.

NOTICE

■ When handling jumper cables

When connecting the jumper cables, ensure that they do not become entangled in the cooling fans or belt.

■ To prevent damage to the engine cover

- When removing the cover, make sure that you pull the cover towards you after lifting the front edge to remove the fixed pins.
- When installing the cover, do not force the cover or subject it to strong shocks.

If your vehicle overheats

The following may indicate that your vehicle is overheating.

- The needle of the engine coolant temperature gauge (→P. 116) enters the red zone or a loss of engine power is experienced. (For example, the vehicle speed does not increase.)
- Steam is coming from under the hood.

Correction procedures

1 Stop the vehicle in a safe place and turn off the air conditioning system, and then stop the engine.

2 If you see steam:

Carefully lift the hood after the steam subsides.

If you do not see steam:

Carefully lift the hood.

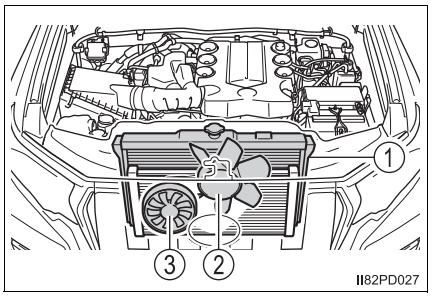
3 After the engine has cooled down sufficiently, inspect the hoses and radiator core (radiator) for any leaks.

① Radiator

② Radiator cooling fan

③ Cooling fan (if equipped)

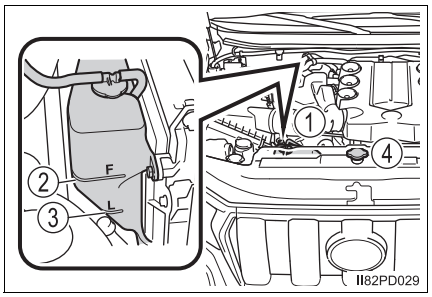
If a large amount of coolant leaks, immediately contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.



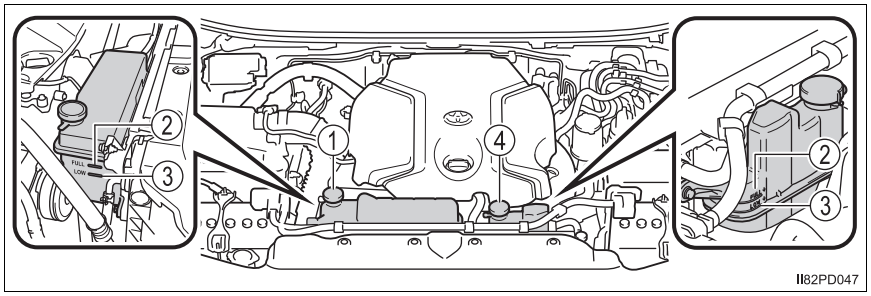
4 The coolant level is satisfactory if it is between the “FULL” and “LOW”/“F” and “L” lines on the reservoir.

▶ Engine coolant

① Reservoir
② “FULL” or “F”
③ “LOW” or “L”
④ Radiator cap (if equipped)



▶ Intercooler coolant (1GD-FTV engine with water-cooled intercooler)

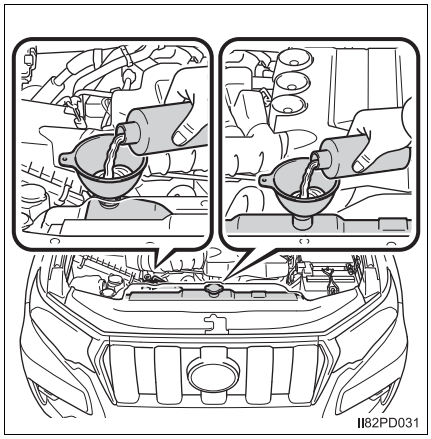


① Engine coolant reservoir
② “FULL”
③ “LOW”
④ Intercooler coolant reservoir

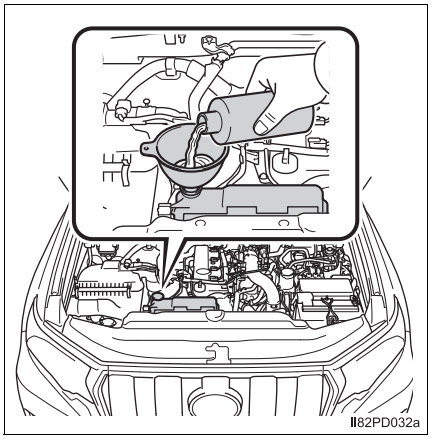
5 Add coolant if necessary.

Water can be used in an emergency if coolant is unavailable.

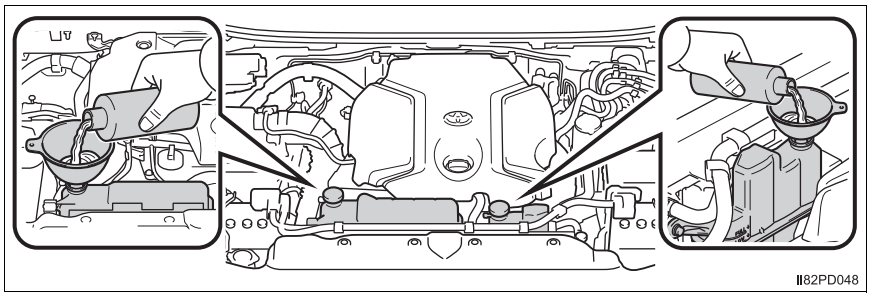
▶ Gasoline engine



▶ Diesel engine (except for 1GD-FTV engine with water-cooled intercooler)



▶ Diesel engine (for 1GD-FTV engine with water-cooled intercooler)



6 Start the engine and turn the air conditioning system on to check that the radiator cooling fans operate and to check for coolant leaks from the radiator or hoses.

The fans operate when the air conditioning system is turned on immediately after a cold start. Confirm that the fans are operating by checking the fan sound and air flow. If it is difficult to check these, turn the air conditioning system on and off repeatedly. (The fans may not operate in freezing temperatures.)

7 If the fans are not operating:

Stop the engine immediately and contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

If the fans are operating:

Have the vehicle inspected at the nearest authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

WARNING

■ When inspecting under the hood of your vehicle

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

- If steam is seen coming from under the hood, do not open the hood until the steam has subsided. The engine compartment may be very hot.
- Keep hands and clothing (especially a tie, a scarf or a muffler) away from the fans and belts. Failure to do so may cause the hands or clothing to be caught, resulting in serious injury.
- Do not loosen the radiator cap (if equipped) or the coolant reservoir cap while the engine and radiator are hot. High temperature steam or coolant could spray out.

NOTICE

■ When adding engine coolant

Add coolant slowly after the engine has cooled down sufficiently. Adding cool coolant to a hot engine too quickly can cause damage to the engine.

■ To prevent damage to the cooling system

Observe the following precautions:

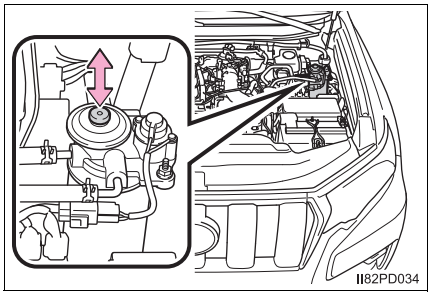
- Avoid contaminating the coolant with foreign matter (such as sand or dust etc.).
- Do not use any coolant additive.

If you run out of fuel and the engine stalls (diesel engine only)

If you run out of fuel and the engine stalls:

1 Refuel your vehicle.

2 To bleed the fuel system, operate the priming pump until you feel more resistance.



3 Start the engine. (→P. 264, 268)

If the engine does not start after the above steps have been performed, wait for 10 seconds and try step 2 and 3 again. If the engine still does not start, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

After starting the engine, depress the accelerator pedal lightly until the engine runs smoothly.

⚠ NOTICE

When restarting the engine

- Do not crank the engine before refueling and operating the priming pump. This may damage the engine and fuel system.
- Do not crank the engine for more than 30 seconds at a time. This may overheat the starter and wiring system.

If the vehicle becomes stuck

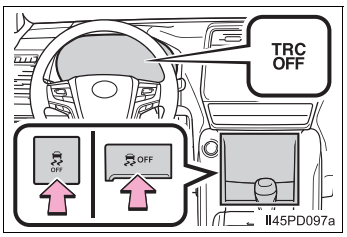
Carry out the following procedures if the tires spin or the vehicle becomes stuck in mud, dirt, or snow:

1. Stop the engine. Set the parking brake and put the shift lever in P (automatic transmission) or N (manual transmission).
2. Remove the mud, snow, or sand from around the stuck tire.
3. Place wood, stones or some other material to help provide traction under the tires.
4. Restart the engine.
5. Shift the shift lever to D or R (automatic transmission) or 1 or R (manual transmission) and release the parking brake. Then, while exercising caution, depress the accelerator pedal.

When it is difficult to free the vehicle

Turn off TRC and/or VSC if these functions are hampering your attempts to free the vehicle. (→P. 444)

Press or to turn off TRC.



WARNING

When attempting to free a stuck vehicle

If you choose to push the vehicle back and forth to free it, make sure the surrounding area is clear, to avoid striking other vehicles, objects or people. The vehicle may also lunge forward or lunge back suddenly as it becomes free. Use extreme caution.

When shifting the shift lever

For 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.

NOTICE

To avoid damaging the transmission and other components

- Avoid spinning the wheels and depressing the accelerator pedal more than necessary.
- If the vehicle remains stuck even after these procedures are performed, the vehicle may require towing to be freed.
- Vehicles with the multi-information display type A: When the automatic transmission fluid temperature warning light comes on while attempting to free a stuck vehicle, immediately remove your foot from the accelerator pedal and wait until the warning light turns off. Otherwise, the transmission may become damaged. (→P. 697)
- Vehicles with the multi-information display type B: When a warning message for the automatic transmission fluid temperature is displayed while attempting to free a stuck vehicle, immediately remove your foot from the accelerator pedal and wait until the warning message disappears. Otherwise, the transmission may become damaged. (→P. 709)

Vehicle specifications 9

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Items to initialize 822

Maintenance data (fuel, oil level, etc.)

Dimensions and weights

Overall length	5-door models	4840 mm (190.6 in.)*1 5010 mm (197.2 in.)*2 4980 mm (196.1 in.)*3
	3-door models	4565 mm (179.7 in.)*2 4535 mm (178.5 in.)*3 4395 mm (173.0 in.)*4
Overall width		1885 mm (74.2 in.)
Overall height*5	5-door models	1835 mm (72.2 in.)*6, 8 1845 mm (72.6 in.)*7, 8 1880 mm (74.0 in.)*6, 9 1890 mm (74.4 in.)*7, 9
	3-door models	1830 mm (72.0 in.)*8 1875 mm (73.8 in.)*9
Wheelbase	5-door models	2790 mm (109.8 in.)
	3-door models	2450 mm (96.5 in.)
Front and rear tread		1605 mm (63.2 in.)*10 1585 mm (62.4 in.)*11

Gross vehicle mass	1GR-FE engine		Except for 2-seat models 2900 kg (6393 lb.) For 2-seat models 2830 kg (6239 lb.)
	2TR-FE engine		2850 kg (6283 lb.)
	1KD-FTV engine		2990 kg (6592 lb.)
	1GD-FTV engine	5-door models	2990 kg (6592 lb.)*12 2950 kg (6504 lb.)*13 2930 kg (6460 lb.)*14
		3-door models	2600 kg (5732 lb.)
Maximum permissible axle capacity		Front	1450 kg (3197 lb.)
		Rear	1800 kg (3968 lb.)*15 1730 kg (3814 lb.)*16
Drawbar load			120 kg (265 lb.)*17 60 kg (132 lb.)*18
Towing capacity		With brake	3000 kg (6614 lb.)*19 1500 kg (3307 lb.)*20
		Without brake	750 kg (1653 lb.)

*1: Except for vehicles with back door mounted spare tire

*2: Vehicles with back door mounted spare tire with the spare tire cover

*3: Vehicles with back door mounted spare tire without the spare tire cover

*4: Vehicles without a spare tire

*5: Unladen vehicles

*6: Vehicles with rear height control air suspension

*7: Vehicles without rear height control air suspension

*8: Vehicles without roof rail

*9: Vehicles with roof rail

*10: P265/65R17, 265/65R17, P265/60R18, 265/60R18 or 265/55R19 tires

*11: P245/70R17 or 245/70R17 tires

*12: Vehicles except 2-seat models

*13: Vehicles with an automatic transmission (2-seat models)

*14: Vehicles with a manual transmission (2-seat models)

*15: Vehicles with 17-inch or 18-inch tires

*16: Vehicles with 19-inch tires

*17: Vehicles with model code*21 that has “W” or “X” as the last letter

*18: Except for vehicles with model code*21 that has “W” or “X” as the last letter

*19: Except for model code*21 TRJ150L-GKMEK, TRJ150L-GKTEK, GRJ150L-GKTDK, KDJ150L-GKAEY, TRJ150L-GKMEKX, and TRJ150L-GKTEKX.

*20: Model code*21 TRJ150L-GKMEK, TRJ150L-GKTEK, GRJ150L-GKTDK, KDJ150L-GKAEY, TRJ150L-GKMEKX, and TRJ150L-GKTEKX.

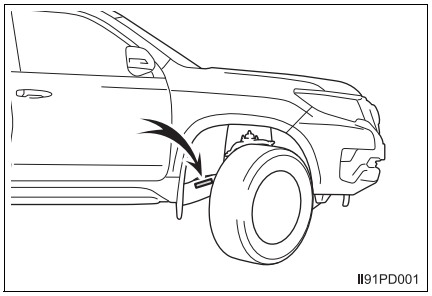
*21: The model code is indicated on the manufacturer’s label. (→P. 775)

Vehicle identification

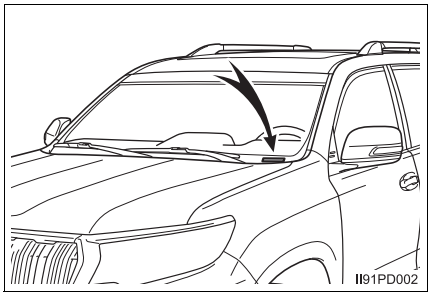
■ Vehicle identification number

The vehicle identification number (VIN) is the legal identifier for your vehicle. This is the primary identification number for your Toyota. It is used in registering the ownership of your vehicle.

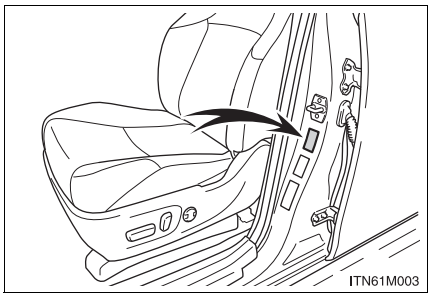
This number is stamped on the front right frame.



On some models, this number is also stamped on the top left of the instrument panel.



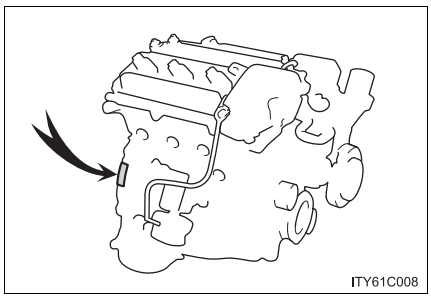
This number is also on the manufacturer's label on the left-hand side center pillar.



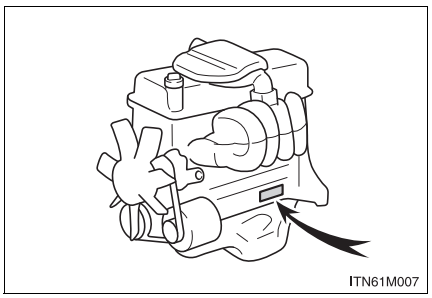
■ Engine number

The engine number is stamped on the engine block as shown.

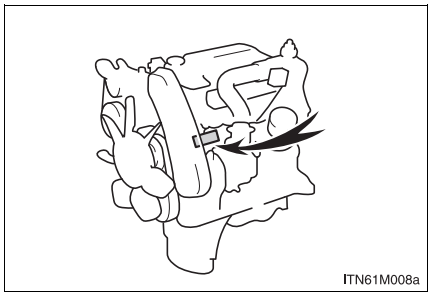
▶ 1GR-FE engine



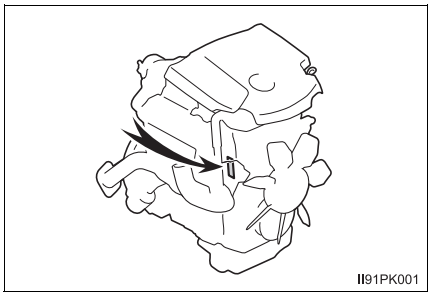
▶ 2TR-FE engine



▶ 1KD-FTV engine



▶ 1GD-FTV engine



Engine

▶ Gasoline engine

Model	1GR-FE	2TR-FE
Type	6-cylinder V type, 4-cycle, gasoline	4-cylinder in line, 4-cycle, gasoline
Bore and stroke	94.0 × 95.0 mm (3.70 × 3.74 in.)	95.0 × 95.0 mm (3.74 × 3.74 in.)
Displacement	3956 cm^3 (241.4 cu.in.)	2694 cm^3 (164.4 cu.in.)
Valve clearance	Automatic adjustment	
Drive belt tension		

▶ Diesel engine

Model	1KD-FTV	1GD-FTV
Type	4-cylinder in line, 4-cycle, diesel (with turbocharger)	
Bore and stroke	96.0 × 103.0 mm (3.78 × 4.06 in.)	92.0 × 103.6 mm (3.62 × 4.08 in.)
Displacement	2982 cm^3 (182.0 cu.in.)	2755 cm^3 (168.1 cu.in.)
Valve clearance (engine cold)	Intake: 0.20 — 0.30 mm (0.008 — 0.012 in.) Exhaust: 0.35 — 0.45 mm (0.014 — 0.018 in.)	Automatic adjustment
Drive belt tension	Automatic adjustment	

Fuel

▶ Gasoline engine

Fuel type		When you find these types of fuel label at the gas station, use only the fuel with one of the following labels.  EU area: Unleaded gasoline conforming to European standard EN228 only Except EU area: Unleaded gasoline only
Research octane number		1GR-FE engine: 95 or higher 2TR-FE engine: 91 or higher
Fuel tank capacity (Reference)	Vehicles with sub fuel tank system	150 L (39.6 gal., 33.0 Imp.gal.)
	Vehicles without sub fuel tank system	87 L (23.0 gal., 19.1 Imp.gal.)

▶ Diesel engine

Fuel type		▶ 1KD-FTV engine Diesel fuel only ▶ 1GD-FTV engine When you find these types of fuel label at the gas station, use only the fuel with one of the following labels.  EU area: Diesel fuel conforming to European standard EN590 or EN16734 Except EU area: Diesel fuel that contains 10 ppm or less of sulfur Russia only: Diesel fuel conforming to GOST R52368-2005 (sulfur max 10 ppm)
Cetane number		48 or higher
Fuel tank capacity (Reference)	Vehicles with sub fuel tank system	150 L (39.6 gal., 33.0 Imp.gal.)
	Vehicles without sub fuel tank system	87 L (23.0 gal., 19.1 Imp.gal.)

Lubrication system

▶ 1GR-FE engine

Oil capacity (Drain and refill — reference*1)	
With filter	6.2 L (6.6 qt., 5.5 Imp.qt.)
Without filter	5.7 L (6.0 qt., 5.0 Imp.qt.)

*1: The engine oil capacity is a reference quantity to be used when changing the engine oil. Warm up and turn off the engine, wait more than 5 minutes, and check the oil level on the dipstick.

■ Engine oil selection (for EURO III models*2)

*2: EURO III is an emission standard. If it is not clear that your vehicle meets relevant standards, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

“Toyota Genuine Motor Oil” is used in your Toyota vehicle. Use Toyota approved “Toyota Genuine Motor Oil” or equivalent to satisfy the following grade and viscosity.

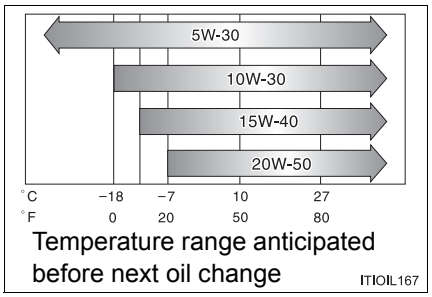
Oil grade:

5W-30 and 10W-30:
API grade SL “Energy-Conserving”, SM “Energy-Conserving” or SN “Resource-Conserving”; or ILSAC multigrade engine oil

15W-40 and 20W-50:
API grade SL, SM or SN multigrade engine oil

Recommended viscosity (SAE):

If you use SAE 10W-30 or a higher viscosity engine oil in extremely low temperatures, the engine may become difficult to start, so SAE 5W-30 engine oil is recommended.



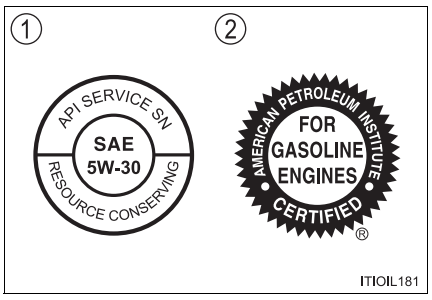
Temperature range anticipated before next oil change ITIOIL167

Oil viscosity (5W-30 is explained here as an example):

- The 5W in 5W-30 indicates the characteristic of the oil which allows cold startability. Oils with a lower value before the W allow for easier starting of the engine in cold weather.
- The 30 in 5W-30 indicates the viscosity characteristic of the oil when the oil is at high temperature. An oil with a higher viscosity (one with a higher value) may be better suited if the vehicle is operated at high speeds, or under extreme load conditions.

How to read oil container labels:

Either or both API registered marks are added to some oil containers to help you select the oil you should use.



ITIOIL181

① API Service Symbol

Top portion: “API SERVICE SN” means the oil quality designation by American Petroleum Institute (API).

Center portion: “SAE 5W-30” means the SAE viscosity grade.

Lower portion: “Resource-Conserving” means that the oil has fuel-saving and environmental protection capabilities.

② ILSAC Certification Mark

The International Lubricant Specification Advisory Committee (ILSAC) Certification Mark is displayed on the front of the container.

■ Engine oil selection (for EURO IV models*)

*: EURO IV is an emission standard. If it is not clear that your vehicle meets relevant standards, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

“Toyota Genuine Motor Oil” is used in your Toyota vehicle. Use Toyota approved “Toyota Genuine Motor Oil” or equivalent to satisfy the following grade and viscosity.

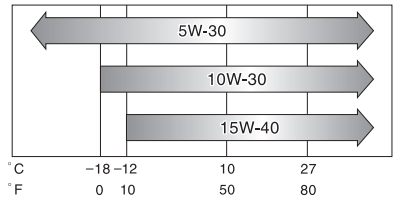
Oil grade:

5W-30 and 10W-30:
API grade SL “Energy-Conserving”, SM “Energy-Conserving” or SN “Resource-Conserving”; or ILSAC multigrade engine oil

15W-40:
API grade SL, SM or SN multigrade engine oil

Recommended viscosity (SAE):

If you use SAE 10W-30 or a higher viscosity engine oil in extremely low temperatures, the engine may become difficult to start, so SAE 5W-30 engine oil is recommended.



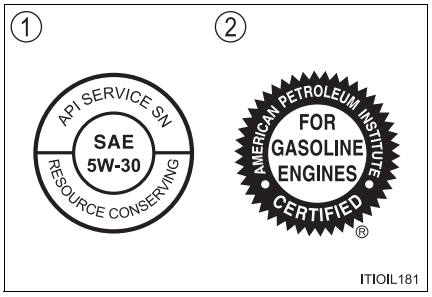
Temperature range anticipated before next oil change
ITIOIL168

Oil viscosity (5W-30 is explained here as an example):

- The 5W in 5W-30 indicates the characteristic of the oil which allows cold startability. Oils with a lower value before the W allow for easier starting of the engine in cold weather.
- The 30 in 5W-30 indicates the viscosity characteristic of the oil when the oil is at high temperature. An oil with a higher viscosity (one with a higher value) may be better suited if the vehicle is operated at high speeds, or under extreme load conditions.

How to read oil container labels:

Either or both API registered marks are added to some oil containers to help you select the oil you should use.



① API Service Symbol

Top portion: “API SERVICE SN” means the oil quality designation by American Petroleum Institute (API).

Center portion: “SAE 5W-30” means the SAE viscosity grade.

Lower portion: “Resource-Conserving” means that the oil has fuel-saving and environmental protection capabilities.

② ILSAC Certification Mark

The International Lubricant Specification Advisory Committee (ILSAC) Certification Mark is displayed on the front of the container.

■ **Engine oil selection (for EURO V and VI models*)**

*: EURO V and VI are emission standards. If it is not clear that your vehicle meets relevant standards, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

"Toyota Genuine Motor Oil" is used in your Toyota vehicle. Use Toyota approved "Toyota Genuine Motor Oil" or equivalent to satisfy the following grade and viscosity.

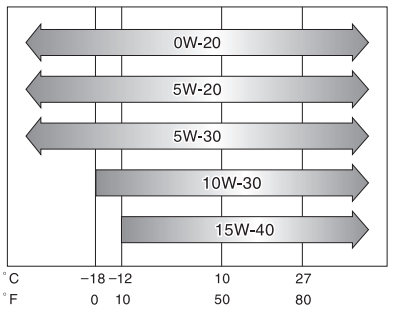
Oil grade:

0W-20, 5W-20, 5W-30 and 10W-30:
API grade SL "Energy-Conserving", SM "Energy-Conserving" or SN "Resource-Conserving"; or ILSAC multigrade engine oil

15W-40:
API grade SL, SM or SN multigrade engine oil

Recommended viscosity (SAE):

If you use SAE 10W-30 or a higher viscosity engine oil in extremely low temperatures, the engine may become difficult to start, so SAE 0W-20, 5W-20 or 5W-30 engine oil is recommended.



Temperature range anticipated before next oil change

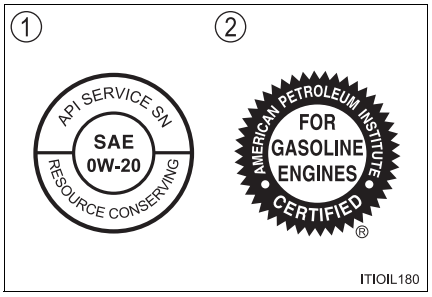
ITIOIL152

Oil viscosity (0W-20 is explained here as an example):

- The 0W in 0W-20 indicates the characteristic of the oil which allows cold startability. Oils with a lower value before the W allow for easier starting of the engine in cold weather.
- The 20 in 0W-20 indicates the viscosity characteristic of the oil when the oil is at high temperature. An oil with a higher viscosity (one with a higher value) may be better suited if the vehicle is operated at high speeds, or under extreme load conditions.

How to read oil container labels:

Either or both API registered marks are added to some oil containers to help you select the oil you should use.



① API Service Symbol

Top portion: “API SERVICE SN” means the oil quality designation by American Petroleum Institute (API).

Center portion: “SAE 0W-20” means the SAE viscosity grade.

Lower portion: “Resource-Conserving” means that the oil has fuel-saving and environmental protection capabilities.

② ILSAC Certification Mark

The International Lubricant Specification Advisory Committee (ILSAC) Certification Mark is displayed on the front of the container.

▶ 2TR-FE engine

Oil capacity (Drain and refill — reference*1)	
With filter	5.9 L (6.2 qt., 5.2 Imp.qt.)
Without filter	5.5 L (5.8 qt., 4.8 Imp.qt.)

*1: The engine oil capacity is a reference quantity to be used when changing the engine oil. Warm up and turn off the engine, wait more than 5 minutes, and check the oil level on the dipstick

■ Engine oil selection (except for EURO III models*2)

*2: EURO III is an emission standard. If it is not clear that your vehicle meets relevant standards, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

"Toyota Genuine Motor Oil" is used in your Toyota vehicle. Use Toyota approved "Toyota Genuine Motor Oil" or equivalent to satisfy the following grade and viscosity.

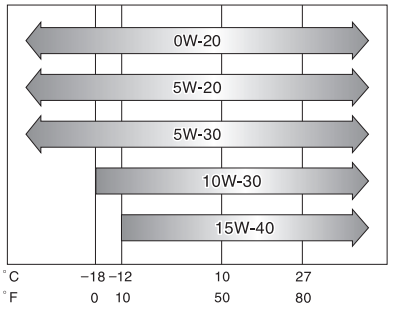
Oil grade:

0W-20, 5W-20, 5W-30 and 10W-30:
API grade SL "Energy-Conserving", SM "Energy-Conserving" or SN "Resource-Conserving"; or ILSAC multigrade engine oil

15W-40:
API grade SL, SM or SN multigrade engine oil

Recommended viscosity (SAE):

If you use SAE 10W-30 or a higher viscosity engine oil in extremely low temperatures, the engine may become difficult to start, so SAE 0W-20, 5W-20 or 5W-30 engine oil is recommended.



Temperature range anticipated before next oil change

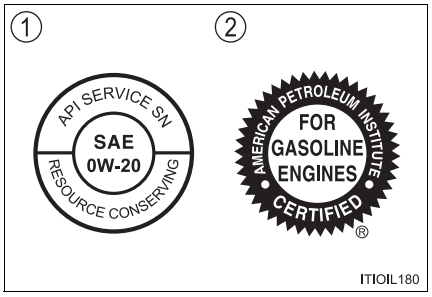
ITIOIL152

Oil viscosity (0W-20 is explained here as an example):

- The 0W in 0W-20 indicates the characteristic of the oil which allows cold startability. Oils with a lower value before the W allow for easier starting of the engine in cold weather.
- The 20 in 0W-20 indicates the viscosity characteristic of the oil when the oil is at high temperature. An oil with a higher viscosity (one with a higher value) may be better suited if the vehicle is operated at high speeds, or under extreme load conditions.

How to read oil container labels:

Either or both API registered marks are added to some oil containers to help you select the oil you should use.



① API Service Symbol

Top portion: “API SERVICE SN” means the oil quality designation by American Petroleum Institute (API).

Center portion: “SAE 0W-20” means the SAE viscosity grade.

Lower portion: “Resource-Conserving” means that the oil has fuel-saving and environmental protection capabilities.

② ILSAC Certification Mark

The International Lubricant Specification Advisory Committee (ILSAC) Certification Mark is displayed on the front of the container.

■ Engine oil selection (for EURO III models*)

*: EURO III is an emission standard. If it is not clear that your vehicle meets relevant standards, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

“Toyota Genuine Motor Oil” is used in your Toyota vehicle. Use Toyota approved “Toyota Genuine Motor Oil” or equivalent to satisfy the following grade and viscosity.

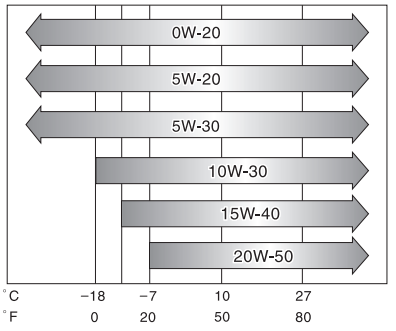
Oil grade:

0W-20, 5W-20, 5W-30 and 10W-30:
API grade SL “Energy-Conserving”, SM “Energy-Conserving” or SN “Resource-Conserving”; or ILSAC multigrade engine oil

15W-40 and 20W-50:
API grade SL, SM or SN multigrade engine oil

Recommended viscosity (SAE):

If you use SAE 10W-30 or a higher viscosity engine oil in extremely low temperatures, the engine may become difficult to start, so SAE 0W-20, 5W-20 or 5W-30 engine oil is recommended.



Temperature range anticipated before next oil change

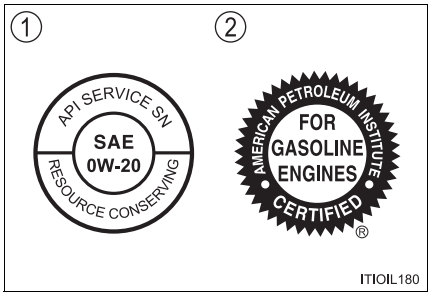
ITIOIL131

Oil viscosity (0W-20 is explained here as an example):

- The 0W in 0W-20 indicates the characteristic of the oil which allows cold startability. Oils with a lower value before the W allow for easier starting of the engine in cold weather.
- The 20 in 0W-20 indicates the viscosity characteristic of the oil when the oil is at high temperature. An oil with a higher viscosity (one with a higher value) may be better suited if the vehicle is operated at high speeds, or under extreme load conditions.

How to read oil container labels:

Either or both API registered marks are added to some oil containers to help you select the oil you should use.



① API Service Symbol

Top portion: “API SERVICE SN” means the oil quality designation by American Petroleum Institute (API).

Center portion: “SAE 0W-20” means the SAE viscosity grade.

Lower portion: “Resource-Conserving” means that the oil has fuel-saving and environmental protection capabilities.

② ILSAC Certification Mark

The International Lubricant Specification Advisory Committee (ILSAC) Certification Mark is displayed on the front of the container.

▶ 1KD-FTV engine

Oil capacity (Drain and refill — reference*1)	
With filter	7.0 L (7.4 qt., 6.2 Imp.qt.)
Without filter	6.7 L (7.1 qt., 5.9 Imp.qt.)

*1: The engine oil capacity is a reference quantity to be used when changing the engine oil. Warm up and turn off the engine, wait more than 5 minutes, and check the oil level on the dipstick.

■ Engine oil selection (except for EURO IV models*2)

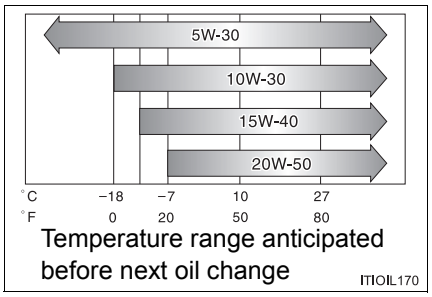
*2: EURO IV is an emission standard. If it is not clear that your vehicle meets relevant standards, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

"Toyota Genuine Motor Oil" is used in your Toyota vehicle. Use Toyota approved "Toyota Genuine Motor Oil" or equivalent to satisfy the following grade and viscosity.

Oil grade: API CF-4, CF or ACEA B1, B3, B4, B5 or JASO DL-0

Recommended viscosity (SAE):

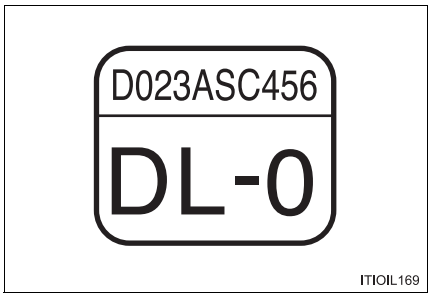
If you use SAE 10W-30 or a higher viscosity engine oil in extremely low temperatures, the engine may become difficult to start, so SAE 5W-30 engine oil is recommended.



Temperature range anticipated before next oil change

How to read oil container label:

The Japanese Automobile Standard Organization (JASO) DL-0 Mark is added to some oil containers to help you select the oil you should use.



Oil viscosity (5W-30 is explained here as an example):

- The 5W in 5W-30 indicates the characteristic of the oil which allows cold startability. Oils with a lower value before the W allow for easier starting of the engine in cold weather.
- The 30 in 5W-30 indicates the viscosity characteristic of the oil when the oil is at high temperature. An oil with a higher viscosity (one with a higher value) may be better suited if the vehicle is operated at high speeds, or under extreme load conditions.

■ Engine oil selection (for EURO IV models*)

*: EURO IV is an emission standard. If it is not clear that your vehicle meets relevant standards, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

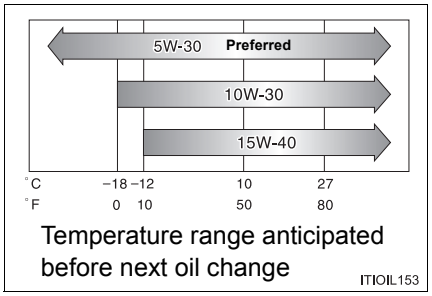
"Toyota Genuine Motor Oil" is used in your Toyota vehicle. Use Toyota approved "Toyota Genuine Motor Oil" or equivalent to satisfy the following grade and viscosity.

Oil grade: API CF-4, CF or ACEA B1, B3, B4, B5 or JASO DL-0

Recommended viscosity (SAE):

SAE 5W-30 is the best choice for good fuel economy and good starting in cold weather.

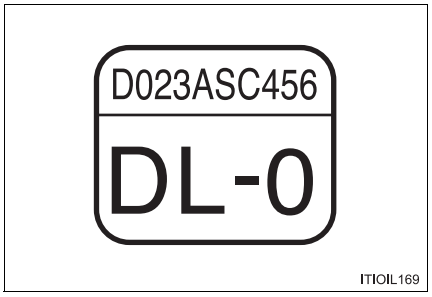
If you use SAE 10W-30 or a higher viscosity engine oil in extremely low temperatures, the engine may become difficult to start, so SAE 5W-30 engine oil is recommended.



Temperature range anticipated before next oil change
ITIOIL153

How to read oil container label:

The Japanese Automobile Standard Organization (JASO) DL-0 Mark is added to some oil containers to help you select the oil you should use.



ITIOIL169

Oil viscosity (5W-30 is explained here as an example):

- The 5W in 5W-30 indicates the characteristic of the oil which allows cold startability. Oils with a lower value before the W allow for easier starting of the engine in cold weather.
- The 30 in 5W-30 indicates the viscosity characteristic of the oil when the oil is at high temperature. An oil with a higher viscosity (one with a higher value) may be better suited if the vehicle is operated at high speeds, or under extreme load conditions.

▶ 1GD-FTV engine

Oil capacity (Drain and refill — reference*)	
With filter	7.7 L (8.1 qt., 6.8 Imp.qt.)
Without filter	7.2 L (7.6 qt., 6.3 Imp.qt.)

*: The engine oil capacity is a reference quantity to be used when changing the engine oil. Warm up and turn off the engine, wait more than 5 minutes, and check the oil level on the dipstick.

■ Engine oil selection

"Toyota Genuine Motor Oil" is used in your Toyota vehicle. Toyota recommends the use of approved "Toyota Genuine Motor Oil". Another motor oil of matching quality can also be used.

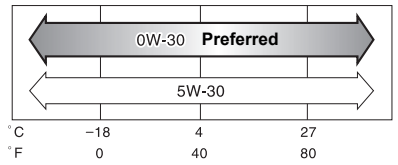
Oil grade: ACEA C2

NOTICE

Using engine oil other than ACEA C2 may damage the catalytic converter.

Recommended viscosity (SAE):

SAE 0W-30 is filled into your Toyota vehicle at manufacturing, and the best choice for good fuel economy and good starting in cold weather.



Temperature range anticipated before next oil change

ITIOIL135

Oil viscosity (0W-30 is explained here as an example):

- The 0W in 0W-30 indicates the characteristic of the oil which allows cold startability. Oils with a lower value before the W allow for easier starting of the engine in cold weather.
- The 30 in 0W-30 indicates the viscosity characteristic of the oil when the oil is at high temperature. An oil with a higher viscosity (one with a higher value) may be better suited if the vehicle is operated at high speeds, or under extreme load conditions.

Cooling system

Capacity (Reference)	1GR-FE engine	With automatic transmission	With ATF warmer	▶ With rear air conditioning system 12.8 L (13.5 qt., 11.3 Imp.qt.) ▶ Without rear air conditioning system 11.0 L (11.6 qt., 9.7 Imp.qt.)
			Without ATF warmer	▶ With rear air conditioning system 12.3 L (13.0 qt., 10.8 Imp.qt.) ▶ Without rear air conditioning system 10.5 L (11.1 qt., 9.2 Imp.qt.)
		With manual transmission		▶ With rear air conditioning system 12.5 L (13.2 qt., 11.0 Imp.qt.) ▶ Without rear air conditioning system 10.7 L (11.3 qt., 9.4 Imp.qt.)
	2TR-FE engine	With automatic transmission		▶ With rear air conditioning system 9.9 L (10.5 qt., 8.7 Imp.qt.) ▶ Without rear air conditioning system 8.1 L (8.6 qt., 7.1 Imp.qt.)
		With manual transmission		▶ With rear air conditioning system 10.1 L (10.7 qt., 8.9 Imp.qt.) ▶ Without rear air conditioning system 8.3 L (8.8 qt., 7.3 Imp.qt.)

Capacity (Reference)	1KD-FTV engine			▶ With rear air conditioning system 14.9 L (15.7 qt., 13.1 Imp.qt.) ▶ Without rear air conditioning system 13.1 L (13.8 qt., 11.5 Imp.qt.)
	1GD-FTV engine without water-cooled inter-cooler	With automatic transmission		▶ With rear air conditioning system 11.8 L (12.5 qt., 10.4 Imp.qt.) ▶ Without rear air conditioning system 10.0 L (10.6 qt., 8.8 Imp.qt.)
		With manual transmission		▶ With rear air conditioning system 11.9 L (12.6 qt., 10.5 Imp.qt.) ▶ Without rear air conditioning system 10.1 L (10.7 qt., 8.9 Imp.qt.)
	1GD-FTV engine with water-cooled inter-cooler	Engine coolant	With automatic transmission	▶ With rear air conditioning system 12.0 L (12.7 qt., 10.6 Imp.qt.) ▶ Without rear air conditioning system 10.2 L (10.8 qt., 9.0 Imp.qt.)
			With manual transmission	▶ With rear air conditioning system 12.1 L (12.8 qt., 10.6 Imp.qt.) ▶ Without rear air conditioning system 10.3 L (10.9 qt., 9.1 Imp.qt.)
		Intercooler coolant		2.6 L (2.7 qt., 2.3 Imp.qt.)

Coolant type	Use either of the following. • “Toyota Super Long Life Coolant” • A 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 of the gasoline engine)

Make	1GR-FE engine	DENSO SK16HR11
	2TR-FE engine	DENSO FK20HR-A8
Gap	1GR-FE engine	1.1 mm (0.043 in.)
	2TR-FE engine	0.8 mm (0.032 in.)

NOTICE

Iridium-tipped spark plugs

Use only iridium-tipped spark plugs. Do not adjust the spark plug gap.

Electrical system

Battery

Specific gravity reading at 20°C (68°F):	1.25 or higher (If the specific gravity is lower than the standard value, charge the battery.)

Charging rates

Quick charge Slow charge	15 A max. 5 A max.

Front differential

Oil capacity	1.40 L (1.48 qt., 1.23 Imp.qt.)
Oil type and viscosity*	Toyota Genuine Differential Gear Oil LT 75W-85 GL-5 or equivalent

*: Your Toyota vehicle is filled with “Toyota Genuine Differential Gear Oil” at the factory.
Use Toyota approved “Toyota Genuine Differential Gear Oil” or an equivalent oil of matching quality to satisfy the above specification. Please contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer for further details.

Rear differential

■ Without torque-sensing limited slip differential*1

Oil capacity	5-door models	With rear differential lock system	2.65 L (2.80 qt., 2.33 Imp.qt.)
		Without rear differential lock system	2.70 L (2.85 qt., 2.38 Imp.qt.)
	3-door models		2.20 L (2.32 qt., 1.94 Imp.qt.)
Oil type and viscosity*2			Toyota Genuine Differential Gear Oil LT 75W-85 GL-5 or equivalent

■ With torque-sensing limited slip differential*1

Oil capacity	2.55 L (2.70 qt., 2.24 Imp.qt.)
Oil type and viscosity*2	Toyota Genuine Differential Gear Oil LX 75W-85 GL-5 or equivalent

*1: Torque-sensing limited slip differential is a type of differential. If it is not clear which type your vehicle is equipped, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer for further details.

*2: Your Toyota vehicle is filled with “Toyota Genuine Differential Gear Oil” at the factory.
Use Toyota approved “Toyota Genuine Differential Gear Oil” or an equivalent oil of matching quality to satisfy the above specification. Please contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer for further details.

Automatic transmission

Fluid capacity*	1GR-FE engine	▶ With ATF warmer 9.8 L (10.4 qt., 8.6 Imp.qt.) ▶ Without ATF warmer 9.9 L (10.5 qt., 8.7 Imp.qt.)
	2TR-FE engine	8.5 L (9.0 qt., 7.5 Imp.qt.)
	1KD-FTV engine	10.6 L (11.2 qt., 9.3 Imp.qt.)
	1GD-FTV engine	9.6 L (10.1 qt., 8.4 Imp.qt.)
Fluid type		Toyota Genuine ATF WS

*: The fluid capacity is a reference quantity. If replacement is necessary, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

NOTICE

Transmission fluid type

Using transmission fluid other than “Toyota Genuine ATF WS” may cause shift quality, locking up of the transmission accompanied by vibration and, ultimately, damage to the vehicle’s transmission.

Manual transmission

▶ 5-speed models

Gear oil capacity	2.2 L (2.3 qt., 1.9 Imp.qt.)
Gear oil type	TOYOTA Genuine Manual Transmission Gear Oil API GL-3 (GL-4) or equivalent
Recommended oil viscosity	SAE 75W-90

NOTICE

Manual transmission gear oil

Please be aware that depending on the particular characteristics of the gear oil used or the operating conditions, idle sound, shift feeling and/or fuel efficiency may be different or affected. Toyota recommends to use “TOYOTA Genuine Manual Transmission Gear Oil GL-3 (GL-4) 75W-90” to achieve optimal performance.

▶ 6-speed models

Gear oil capacity	2.1 L (2.2 qt., 1.8 Imp.qt.)
Gear oil type	“TOYOTA Genuine Transfer Gear oil LF 75W” or equivalent

NOTICE

Manual transmission gear oil (6-speed models)

Please be aware that depending on the particular characteristics of the gear oil used or the operating conditions, idle sound, shift feeling and/or fuel efficiency may be different or affected. Toyota recommends to use “TOYOTA Genuine Transfer Gear Oil LF 75W” to achieve optimal performance.

Clutch

Clutch pedal free play	5 — 15 mm (0.2 — 0.6 in.)
Fluid type	SAE J1703 or FMVSS No.116 DOT 3 or SAE J1704 or FMVSS No.116 DOT 4

Transfer

Oil capacity	1.4 L (1.5 qt., 1.2 Imp.qt.)
Oil type*	“Toyota Genuine Transfer Gear oil LF” or equivalent
Recommended oil viscosity	SAE 75W

*: Your Toyota vehicle is filled with “Toyota Genuine Transfer Gear oil LF” at the factory. Use Toyota approved “Toyota Genuine Transfer Gear oil LF” or an equivalent of matching quality to satisfy the above specification. Please contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer for further details.

Brakes

Pedal clearance*1	1GR-FE, 1KD-FTV and 1GD-FTV engines	104 mm (4.1 in.) Min.
	2TR-FE engine	▶ With automatic transmission 105 mm (4.1 in.) Min. ▶ With manual transmission 102 mm (4.0 in.) Min.
Pedal free play		1 — 6 mm (0.04 — 0.24 in.)
Parking brake lever travel*2		5 — 7 clicks
Fluid type		• SAE J1703 or FMVSS No. 116 DOT 3 • SAE J1704 or FMVSS No. 116 DOT 4

*1: Minimum pedal clearance when depressed with a force of 490 N (50 kgf, 110 lbf) while the engine is running

*2: Parking brake lever travel when pulled up with a force of 200 N (20.4 kgf, 45.0 lbf)

Chassis lubrication (Propeller shafts)

Spider	Lithium base chassis grease, NLGI No.2
Slide yoke	Molybdenum-disulfide lithium base chassis grease, NLGI No.2 or lithium base chassis grease, NLGI No.2

Steering

Free play	Less than 30 mm (1.18 in.)
Power steering fluid type	Automatic transmission fluid DEXRON® II or III

Tires and wheels

▶ 17-inch tires (type A) (EU area)

Tire size	P245/70R17 108S, 245/70R17 110S	
Tire inflation pressure (Recommended cold tire inflation pressure)	Front tire kPa (kgf/cm^2 or bar, psi)	Rear tire kPa (kgf/cm^2 or bar, psi)
	220 (2.2, 32)	220 (2.2, 32)
Wheel size	17 × 6 1/2J	
Wheel nut torque	112 N•m (11.4 kgf•m, 83 ft•lbf)	

▶ 17-inch tires (type B) (except EU area)

Tire size	245/70R17 110S	
Tire inflation pressure (Recommended cold tire inflation pressure)	Front tire kPa (kgf/cm^2 or bar, psi)	Rear tire kPa (kgf/cm^2 or bar, psi)
	200 (2.0, 29)	200 (2.0, 29) 220 (2.2, 32)*
Wheel size	17 × 6 1/2J	
Wheel nut torque	112 N•m (11.4 kgf•m, 83 ft•lbf)	

*: Standard inflation for all loads including full rated loads

▶ 17-inch tires (type C) (EU area)

Tire size	P265/65R17 110S, 265/65R17 112S	
Tire inflation pressure (Recommended cold tire inflation pressure)	Front tire kPa (kgf/cm^2 or bar, psi)	Rear tire kPa (kgf/cm^2 or bar, psi)
	220 (2.2, 32)	220 (2.2, 32)
Wheel size	17 × 7 1/2J	
Wheel nut torque	103 N•m (10.5 kgf•m, 76 ft•lbf)	

▶ 17-inch tires (type D) (except EU area)

Tire size	265/65R17 112S	
Tire inflation pressure (Recommended cold tire inflation pressure)	Front tire kPa (kgf/cm^2 or bar, psi)	Rear tire kPa (kgf/cm^2 or bar, psi)
	200 (2.0, 29)	200 (2.0, 29)
Wheel size	17 × 7 1/2J	
Wheel nut torque	103 N•m (10.5 kgf•m, 76 ft•lbf)	

▶ 18-inch tires

Tire size	265/60R18 110H	
Tire inflation pressure (Recommended cold tire inflation pressure)	Front tire kPa (kgf/cm^2 or bar, psi)	Rear tire kPa (kgf/cm^2 or bar, psi)
	200 (2.0, 29)	200 (2.0, 29) 220 (2.2, 32)*
Wheel size	18 × 7 1/2J	
Wheel nut torque	103 N•m (10.5 kgf•m, 76 ft•lbf)	

*: Standard inflation for all loads including full rated loads

▶ 19-inch tires

Tire size	265/55R19 109V	
Tire inflation pressure (Recommended cold tire inflation pressure)	Front tire kPa (kgf/cm^2 or bar, psi)	Rear tire kPa (kgf/cm^2 or bar, psi)
	220 (2.2, 32)	220 (2.2, 32)
Wheel size	19 × 7 1/2J	
Wheel nut torque	103 N•m (10.5 kgf•m, 76 ft•lbf)	

■ **When towing a trailer**

Add 20.0 kPa (0.2 kgf/cm^2 or bar, 3 psi) to the recommended tire inflation pressure, and drive at speeds below 100 km/h (62 mph).

Light bulbs

	Light bulbs	W	Type
Exterior	Headlights (halogen bulbs*) Low beam High beam	 55 60	 A B
	Front turn signal lights	21	C
	Rear turn signal lights	21	C
	Back-up lights	16	D
	Rear fog lights	21	D
	License plate lights	5	D
	Running board lights*	5	E
Interior	Personal/interior lights Front Rear (without personal lights)* Rear (with personal lights)*	 5 8 5	 D F D
	Vanity lights	8	D

A: H11 halogen bulbs

B: HB3 halogen bulbs

C: Wedge base bulbs (amber)

D: Wedge base bulbs (clear)

E: Wedge base bulbs (clear) (blue glass)

F: Double end bulbs

*: If equipped

Fuel information

◆ Gasoline engine

When you find these types of fuel label at the gas station, use only the fuel with one of the following labels.



▶ 1GR-FE engine

EU area:

You must only use unleaded gasoline conforming to European standard EN228.

Select unleaded gasoline with a Research Octane Number of 95 or higher for optimum engine performance.

Except EU area:

You must only use unleaded gasoline.

Select unleaded gasoline with a Research Octane Number of 95 or higher for optimum engine performance.

▶ 2TR-FE engine

EU area:

You must only use unleaded gasoline conforming to European standard EN228.

Select unleaded gasoline with a Research Octane Number of 91 or higher for optimum engine performance.

Except EU area:

You must only use unleaded gasoline.

Select unleaded gasoline with a Research Octane Number of 91 or higher for optimum engine performance.

◆ Diesel engine

▶ 1KD-FTV engine

You must use only diesel fuel with a cetane number of 48 or higher.

▶ 1GD-FTV engine

When you find these types of fuel label at the gas station, use only the fuel with one of the following labels.



EU area:

You must use diesel fuel conforming to European standard EN590 or EN16734.

Except EU area:

You must use only diesel fuel that contains 10 ppm or less of sulfur with a cetane number of 48 or higher.

Russia only:

You must use only diesel fuel with a cetane number of 48 or higher.
You must use only diesel fuel conforming to GOST R52368-2005 (sulfur max 10 ppm).

■ Use of ethanol blended gasoline in a gasoline engine

Toyota allows the use of ethanol blended gasoline where the ethanol content is up to 10 %. Make sure that the ethanol blended gasoline to be used has a Research Octane Number that follows the above.

■ If you plan to drive in foreign countries (diesel engine only)

Low sulphur diesel fuel may not be available, so please check the availability with your distributor.

■ If your engine knocks

- Consult any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- You may occasionally notice light knocking for a short time while accelerating or driving uphill. This is normal and there is no need for concern.

NOTICE

Notice on fuel quality

- Do not use improper fuels. If improper fuels are used, the engine will be damaged.
- Gasoline engine: Do not use gasoline with metallic additives, for example manganese, iron or lead, otherwise it may cause damage on your engine or emission control system.
- Gasoline engine: Do not add aftermarket fuel additives which contain metallic additives.
- Gasoline engine (EU area): Bioethanol fuel sold under names such as “E50” or “E85” and fuel containing a large amount of ethanol should not be used. The use of these fuels will damage the vehicle’s fuel system. In case of any doubt, ask any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- Gasoline engine (except EU area): Bioethanol fuel sold under names such as “E50” or “E85” and fuel containing a large amount of ethanol should not be used. Your vehicle can use gasoline mixed with 10 % max ethanol. The use of fuel with more than 10 % ethanol content (E10) will damage the vehicle’s fuel system. You must ensure that refueling is carried out only from a source where fuel specification and quality can be guaranteed. In case of any doubt, ask any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- 1GD-FTV engine: Do not use a fuel contains more than 10 ppm of sulfur. Use of such a high sulfur fuel may damage the engine.
- Diesel engine (EU area): FAME (Fatty Acid Methyl Ester) fuel sold under names such as “B30” or “B100” and fuel containing a large amount of FAME should not be used. The use of these fuels will damage the vehicle’s fuel system. In case of any doubt, ask any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- Diesel engine (except EU area): FAME (Fatty Acid Methyl Ester) fuel sold under names such as “B30” or “B100” and fuel containing a large amount of FAME should not be used. Your vehicle can use diesel mixed with 5 % max biodiesel FAME (B5). The use of fuel with more than 5 % FAME content (B5) will damage the vehicle’s fuel system. You must ensure that refueling is carried out only from a source where fuel specification and quality can be guaranteed. In case of any doubt, ask any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- Do not use the methanol blended gasoline such as M15, M85, M100. The use of gasoline containing methanol may cause engine damage or failure.

Customizable features

Your vehicle includes a variety of electronic features that can be personalized to suit your preferences. The settings of these features can be changed by using the steering wheel switches, navigation system, multimedia system or at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

It is also possible to customize certain vehicle features yourself using the multi-information display.

Customizing vehicle features

When customizing vehicle features, ensure that the vehicle is parked in a safe place with the shift lever in P (automatic transmission) or N (manual transmission) and the parking brake set.

■ **Changing by using the multi-information display (type B only)**

1 Use the meter control switches to select on the multi-information display.

2 Choose the desired item using ENTER, and then press ENTER.

3 Select the desired setting by operating ENTER, and then press ENTER.

To stop the selection, press to return to the previous screen.

■ **Changing by using the navigation system or the multimedia system**

1 Press the “SETUP” button

2 Select “Vehicle” on the screen

Customizable features

Some function settings are changed simultaneously with other functions being customized. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer for further details.

① Settings that can be changed using the meter control switches

② Settings that can be changed using the navigation system or the multimedia system

③ Settings that can be changed by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer

Definition of symbols: O = Available, – =Not available

■ Door lock (→P. 145, 753)

Function	Default setting	Customized setting	①	②	③
Unlocking using a key	All doors unlocked in one step	Driver's door unlocked in one step, all doors unlocked in two steps	–	–	O
Speed linked door locking function*1	On	Off	–	O	O
Shift position linked door locking function*1	Off	On	–	O	O
Shift position linked door unlocking function*1	Off	On	–	O	O
Driver's door linked door unlocking function (TRJ150L-GKMEK, TRJ150L-GKTEK, GRJ150L-GKTEK and KDJ150L-GKAEY models*2)	Off	On	–	O	O
Driver's door linked door unlocking function (vehicles with model code*2 other than above)*1	On	Off	–	O	O

*1: If equipped

*2: The model code is indicated on the manufacturer's label. (→P. 775)

■ **Smart entry & start system* and wireless remote control (→P. 168, 140)**

Function	Default setting	Customized setting	①	②	③
Operation signal (buzzer)*	Level 5	Off	–	O	O
		Level 1 to 7			
Operation signal (Emergency flashers)	On	Off	–	O	O
Time elapsed before the automatic door lock function is activated if a door is not opened after being unlocked	30 seconds	60 seconds	–	–	O
		120 seconds			
Open door warning function (When locking the vehicle)	On	Off	–	–	O
Glass hatch opening operation*	Push and hold (Short)	Push twice	–	–	O
		One short push			
		Push and hold (Long)			
		Off			

*: If equipped

■ **Smart entry & start system* (→P. 168)**

Function	Default setting	Customized setting	①	②	③
Smart door unlocking	All the doors	Driver's door	–	O	O
Smart entry & start system	On	Off	–	O	O
Number of consecutive door lock operations	2 times	As many as desired	–	–	O

*: If equipped

■ **Wireless remote control (→P. 140)**

Function	Default setting	Customized setting	①	②	③
Wireless remote control	On	Off	–	–	O
Unlocking operation	All doors unlocked in one step	Driver's door unlocked in one step, all doors unlocked in two steps	–	O	O

■ **Driving position memory* (→P. 210)**

Function	Default setting	Customized setting	①	②	③
Selecting the door linking driving position memory with door unlock operation	Driver's door	All doors	–	–	O

*: If equipped

■ **Automatic light control system*1 (→P. 296)**

Function	Default setting	Customized setting	①	②	③
Time elapsed before the headlights turn off*1	30 seconds	Off	–	–	*2
		60 seconds			
		90 seconds			
Light sensor sensitivity	Standard	-2 to 2	–	O	O
Time elapsed before headlights automatically turn on*1	Standard	Long	–	–	O
Time elapsed before the headlights turn off (follow me home system)*1	30 seconds	60 seconds	–	–	*3
		90 seconds			
		120 seconds			
Welcome light illumination control*1	On	Off	–	–	O

*1: If equipped

*2: O:TRJ150L-GKMEK, TRJ150L-GKTEK, GRJ150L-GKTEK and KDJ150L-GKAEY models*4
–: Except for TRJ150L-GKMEK, TRJ150L-GKTEK, GRJ150L-GKTEK and KDJ150L-GKAEY models*4

*3: –:TRJ150L-GKMEK, TRJ150L-GKTEK, GRJ150L-GKTEK and KDJ150L-GKAEY models*4
O: Except for TRJ150L-GKMEK, TRJ150L-GKTEK, GRJ150L-GKTEK and KDJ150L-GKAEY models*4

*4: The model code is indicated on the manufacturer's label. (→P. 775)

■ **Interior lights (→P. 559)**

Function	Default setting	Customized setting	①	②	③
Time elapsed before the interior lights turn off	15 seconds	Off	–	O	O
		7.5 seconds			
		30 seconds			
Operation after the engine switch is turned to the “LOCK” position (without a smart entry & start system) or turned off (with a smart entry & start system)	On	Off	–	–	O
Operation when the doors are unlocked with the smart entry & start system or wireless remote control	On	Off	–	–	O
Operation when you approach the vehicle with the electronic key on your person*1	On	Off	–	–	O
Shift lever light*2	On	Off	–	–	O
Operation of the footwell lights*2	On	Off	–	–	O
Lounge illumination control*2	On	Off	–	–	O

*1: For vehicles with a smart entry & start system

*2: If equipped

■ **Exterior lights (→P. 559)**

Function	Default setting	Customized setting	①	②	③
Time elapsed before the exterior lights turn off	15 seconds	Off	–	O	O
		7.5 seconds			
		30 seconds			
Operation of the outer foot lights*1 and the running board lights*1 when you approach the vehicle with the electronic key on your person*2	On	Off	–	–	O
Operation of the outer foot lights*1 and the running board lights*1 when the doors are unlocked with the power door lock switch	On	Off	–	–	O
Operation of the running board lights*1 when a door is opened	On	Off	–	–	O

*1: If equipped

*2: For vehicles with a smart entry & start system

■ **Meters (→P. 116)**

Function	Default setting	Customized setting	①	②	③
Sensitivity of the ambient light sensor used for dimming the meter lights etc.*	Standard	-2 to 2	–	–	O
Sensitivity of the ambient light sensor used for brightening the meter lights etc.*	Standard	-2 to 2	–	–	O

*: If equipped

■ **Front automatic air conditioning system* (→P. 537)**

Function	Default setting	Customized setting	①	②	③
Switching between outside air and recirculated air mode linked to automatic mode button operation	Auto	Manual	–	O	O
A/C automatic mode button operation	Auto	Manual	–	O	O

*: If equipped

■ **Power windows (→P. 227) and moon roof*1, 2 (→P. 231)**

Function	Default setting	Customized setting	①	②	③
Mechanical key linked operation (close)	Off	On	–	–	O
Mechanical key linked operation (open)	Off	On	–	–	O
Wireless remote control linked operation*1 (close)	Off	On	–	–	O
Wireless remote control linked operation*1 (open)	Off	On	–	–	O
Wireless remote control linked operation (buzzer)*1	On	Off	–	–	O

*1: If equipped

*2: The moon roof operation settings will be automatically changed when the power window operation settings are changed.

■ **Outside rear view mirrors (→P. 222)**

Function	Default setting	Customized setting	①	②	③
Automatic mirror folding and extending operation*	Linked to the locking/ unlocking of the doors	Off	–	–	O
		Linked to operation of the engine switch			
Linked mirror function when reversing*	On	Off	–	–	O

*: If equipped

■ **Toyota parking assist-sensor*1, 2 (→P. 394)**

Function	Default setting	Customized setting	①	②	③
Detection distance of the front center sensor*3	Far	Near	–	O	O
Detection distance of the rear center sensor	Far	Near	–	O	O
Buzzer volume	Level 5	Level 1 to 5	–	O	O
Display setting	All sensors displayed	Display off	–	O	O

*1: If equipped

*2: Settings that can be changed on vehicles with a multi-information display type B.

*3: Settings that can be changed on vehicles with 8 sensor type system.

■ **Alarm* (→P. 99)**

Function	Default setting	Customized setting	①	②	③
Sensitivity adjustment of the intrusion sensor when the window is open	Standard	Low	–	–	O
Deactivates the alarm when the doors are unlocked using the mechanical key (vehicles with a smart entry & start system)	Off	On	–	–	O

*: If equipped

■ **Multi-information display*1 (→P. 124)**

Function	Default setting	Customized setting	①	②	③
Language*2	English (British)	French	O	–	O
		German			
		Spanish			
		Italian			
		Traditional Chinese			
		Russian			
		Turkish			
Units*2	km (L/100km)	km (km/L)	O	–	O
		mph (MPG)*1			
Eco Driving Indicator Light	On	Off	O	–	O
switch settings	After start	Desired status screen*3	O	–	O
Pop-up display	On	Off	O	–	O
Accent color*1	Light blue	Blue	O	–	O
		Orange			
		Yellow			
Vehicle image	Back door mounted spare tire image off	Back door mounted spare tire image on	O	–	O

*1: If equipped

*2: The default setting varies according to countries.

*3: Some status screens cannot be registered (indicated on multi-information display).

■ **LDA (Lane Departure Alert)* (→P. 358)**

Function	Default setting	Customized setting	①	②	③
Alert sensitivity	Standard	High	O	–	O
Vehicle sway warning function	On	Off	O	–	O
Vehicle sway warning sensitivity	Standard	Low	O	–	O
		High			

*: If equipped

■ **BSM (Blind Spot Monitor)* (→P. 448)**

Function	Default setting	Customized setting	①	②	③
BSM (Blind Spot Monitor)	On	Off	O	–	–

*: If equipped

■ **RSA (Road Sign Assist)*1 (→P. 367)**

Function	Default setting	Customized setting	①	②	③
RSA (Road Sign Assist)	On	Off	O	–	–
Excess speed condition method	Only visual	No notification	O	–	–
		Visual and audible*2			
Excess speed notification level	2 km/h (1 mph)	5 km/h (3 mph)	O	–	–
		10 km/h (5 mph)			
Other notifications method*3	Only visual	No notification	O	–	–
		Visual and audible*2			

*1: If equipped

*2: If a speed limit with supplemental mark is exceeded, the warning buzzer does not operate.

*3: No-overtaking notification only

■ **PCS (Pre-Crash Safety system)* (→P. 345)**

Function	Default setting	Customized setting	①	②	③
PCS (Pre-Crash Safety system)	On	Off	O	–	–
Alert timing	 (Middle)	 (Far)  (Near)	O	–	–

*: If equipped

■ **In the following situations, customize mode will automatically be turned off.**

- A warning message appears after the customize mode screen is displayed.
- The engine switch is turned to the “LOCK” position (without a smart entry & start system) or turned off (with a smart entry & start system).
- The vehicle begins to move while the customize mode screen is displayed.

WARNING

■ **During customization**

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

NOTICE

■ **During customization**

To prevent battery discharge, ensure that the engine is running while customizing features.

Items to initialize

The following item must be initialized for normal system operation after such cases as the battery being reconnected, or maintenance being performed on the vehicle:

Item	When to initialize	Reference
Tire pressure warning system (if equipped)	• When rotating the tires • When changing the tire inflation pressure by changing traveling speed or load weight, etc.	P. 637
Engine oil maintenance data (1GD-FTV engine only)	• When after changing the engine oil	P. 616

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For vehicles with a navigation system or a multimedia system, refer to the “Navigation and multimedia system Owner’s manual” for information regarding the equipment listed below.

- Navigation system
- Hands-free system (for cellular phone)
- Rear seat entertainment system
- Audio/video system

What to do if... (Troubleshooting)

If you have a problem, check the following before contacting any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

The doors cannot be locked, unlocked, opened or closed



You lose your keys

- If you lose your keys or mechanical keys, new genuine keys or mechanical keys can be made by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer. (→P. 144)
- Vehicles with a smart entry & start system
  If you lose your electronic keys, the risk of vehicle theft increases significantly. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately. (→P. 142)



The doors cannot be locked or unlocked

- Is the key battery weak or depleted? (→P. 660)
- Vehicles with a smart entry & start system
  Is the engine switch in IGNITION ON mode?
  When locking the doors, turn the engine switch off. (→P. 271)
- Vehicles with a smart entry & start system
  Is the electronic key left inside the vehicle?
  When locking the doors, make sure that you have the electronic key on your person.
- The function may not operate properly due to the condition of the radio wave. (→P. 154, 172)



The rear door cannot be opened (vehicles with rear door child-protector lock)

- Is the child-protector lock set?
  The rear door cannot be opened from inside the vehicle when the lock is set. Open the rear door from outside and then unlock the child-protector lock. (→P. 150)

If you think something is wrong

The engine does not start (vehicles without a smart entry & start system)

- Vehicles with a manual transmission
  Do you turn the key with the clutch pedal depressed firmly? (→P. 264)
- Vehicles with an automatic transmission
  Is the shift lever in P? (→P. 264)
- Is the battery discharged? (→P. 757)

The engine does not start (vehicles with a smart entry & start system)

- Did you press the engine switch while firmly depressing the brake pedal? (→P. 268)
- Vehicles with an automatic transmission
  Is the shift lever in P? (→P. 268)
- Is the electronic key anywhere detectable inside the vehicle? (→P. 169)
- Is the steering wheel unlocked? (→P. 275)
- Is the electronic key battery weak or depleted?
  In this case, the engine can be started in a temporary way. (→P. 754)
- Is the battery discharged? (→P. 757)

The shift lever cannot be shifted from P even if you depress the brake pedal (vehicles with an automatic transmission)

- Vehicles without a smart entry & start system
  Is the engine switch in the “ON” position?
  If you cannot release the shift lever by depressing the brake pedal with the engine switch in the “ON” position: →P. 282
- Vehicles with a smart entry & start system
  Is the engine switch in IGNITION ON mode?

  If you cannot release the shift lever by depressing the brake pedal with the engine switch in IGNITION ON mode: →P. 282

The steering wheel cannot be turned after the engine is stopped

- Vehicles without a smart entry & start system
  It is locked to prevent theft of the vehicle if the key is removed from the engine switch. (→P. 267)
- Vehicles with a smart entry & start system
  It is locked automatically to prevent theft of the vehicle.
  (→P. 274)

The windows do not open or close by operating the power window switches

- Is the window lock switch pressed?
  The power window except for the one at the driver's seat cannot be operated if the window lock switch is pressed. (→P. 227)

The engine switch is turned off automatically (vehicles with a smart entry & start system)

- The auto power off function will be operated if the vehicle is left in ACCESSORY or IGNITION ON mode (the engine is not operating) for a period of time. (→P. 273)

A warning buzzer sounds during driving

- The seat belt reminder light is flashing

  Are the driver and the front passenger wearing the seat belts? (→P. 699)
- The brake system warning light is on

  Is the parking brake released? (→P. 289)

Depending on the situation, other types of warning buzzer may also sound. (→P. 695, 707)

An alarm is activated and the horn sounds (if equipped)

- Did anyone inside the vehicle open a door during setting the alarm?
  The sensor detects it and the alarm sounds. (→P. 99)

To stop the alarm, turn the engine switch to IGNITION ON mode or start the engine.

A warning buzzer sounds when leaving the vehicle (vehicles with a smart entry & start system)

- Is the message displayed on the multi-information display?
  Check the message on the multi-information display. (→P. 707)

A warning light turns on or a warning message is displayed

- When a warning light turns on or a warning message is displayed, refer to P. 695, 707.

When a problem has occurred

If you have a flat tire

- Vehicles without a spare tire
  Stop the vehicle in a safe place and repair the flat tire temporarily with the emergency tire puncture repair kit. (→P. 713)
- Vehicles with a spare tire
  Stop the vehicle in a safe place and replace the flat tire with the spare tire. (→P. 730)

The vehicle becomes stuck

- Try the procedure for when the vehicle becomes stuck in mud, dirt, or snow. (→P. 769)

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*1: Refer to the “Off-road driving Owner’s manual”.
*2: For vehicles with a navigation system or a multimedia system, refer to the “Navigation and multimedia system Owner’s manual”.

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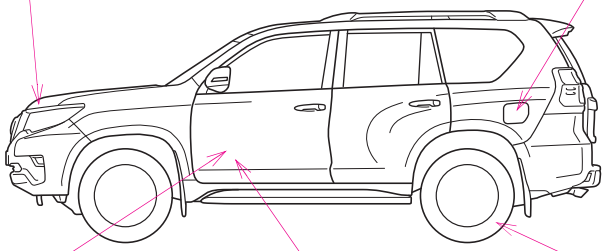
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Auxiliary catch lever		Fuel filler door
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Hood lock release lever	Fuel filler door opener	Tire inflation pressure
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Fuel tank capacity (Reference)	Vehicles with sub fuel tank system	150 L (39.6 gal., 33.0 Imp.gal.)
	Vehicles without sub fuel tank system	87 L (23.0 gal., 19.1 Imp.gal.)
Fuel type		P. 778
Cold tire inflation pressure		P. 803
Engine oil capacity (Drain and refill — reference)		P. 780
Engine oil type		P. 780