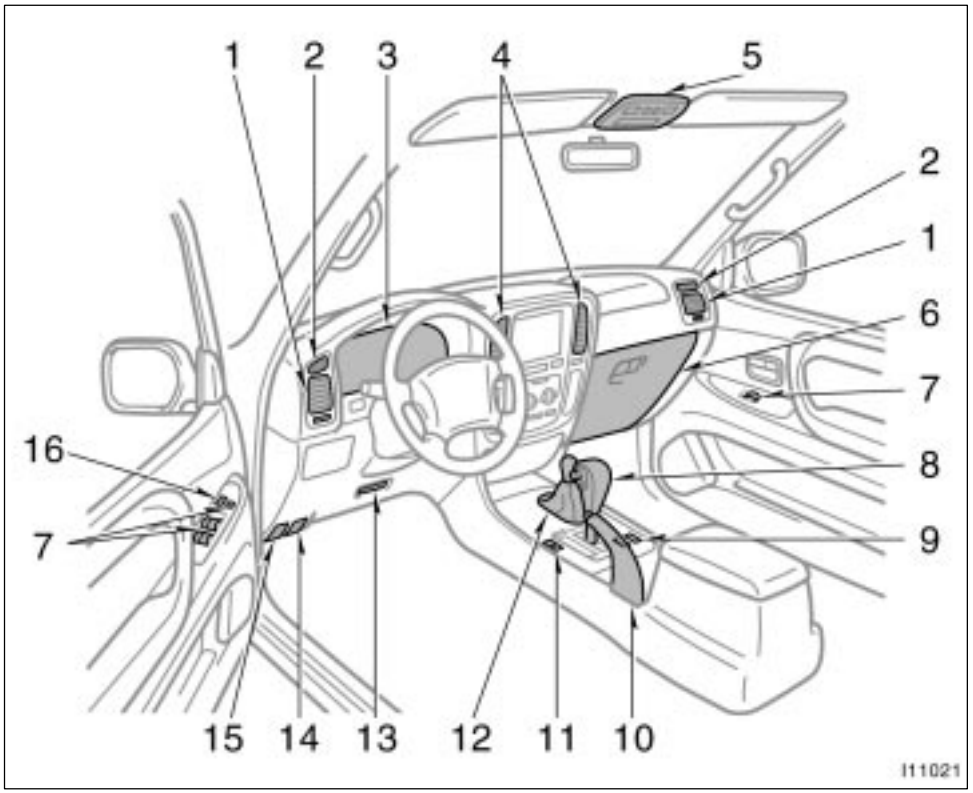
Part 1
OPERATION OF INSTRUMENTS AND CONTROLS—

Chapter 1- 1
Overview of instruments and controls

- Instrument panel overview
- Instrument cluster overview
- Indicator symbols on the instrument panel

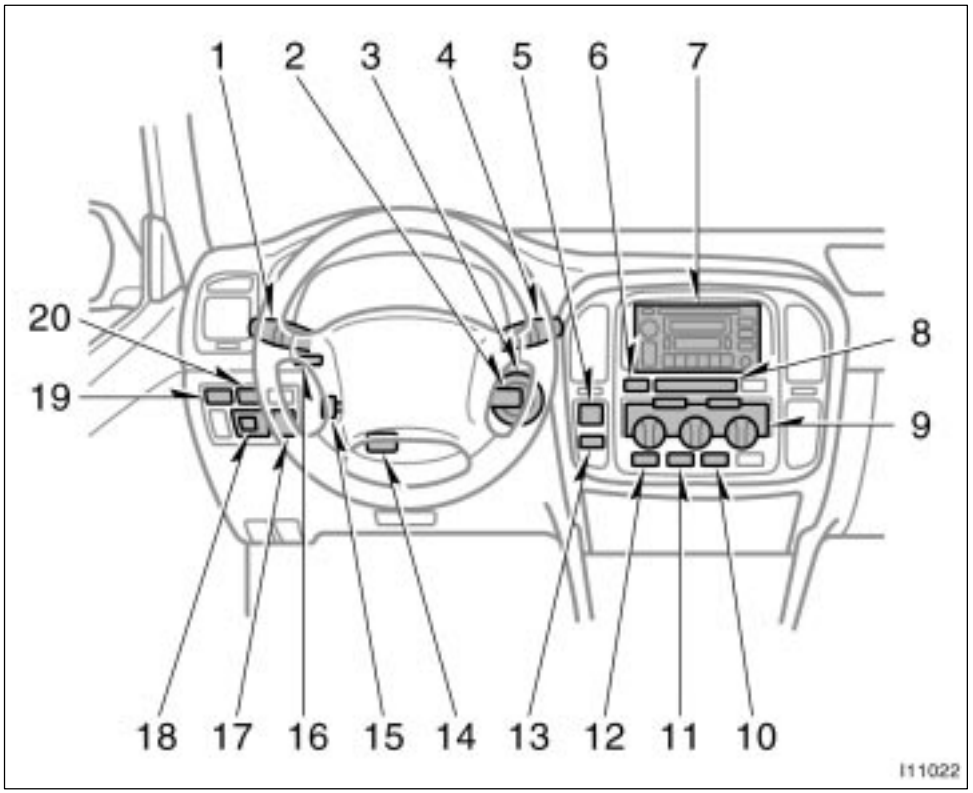
Instrument panel overview

▶View A



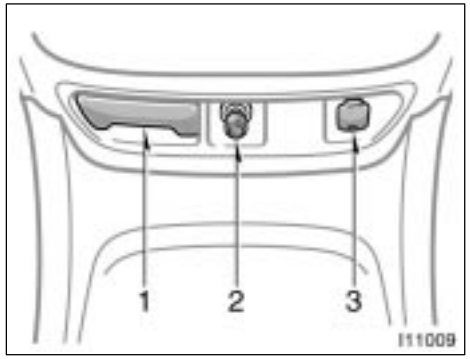
1. Side vents
2. Side defroster outlets
3. Instrument cluster
4. Center vents
5. Electric moon roof switches and/or personal lights
6. Glovebox
7. Power window switches
8. Automatic transmission selector lever
9. Seat heater switches
10. Parking brake lever
11. Second start mode selector button and driving pattern selector button
12. Four-wheel drive control lever
13. Lower vent
14. Hood lock release lever
15. Fuel filler door opener
16. Power door lock switch

▶View B



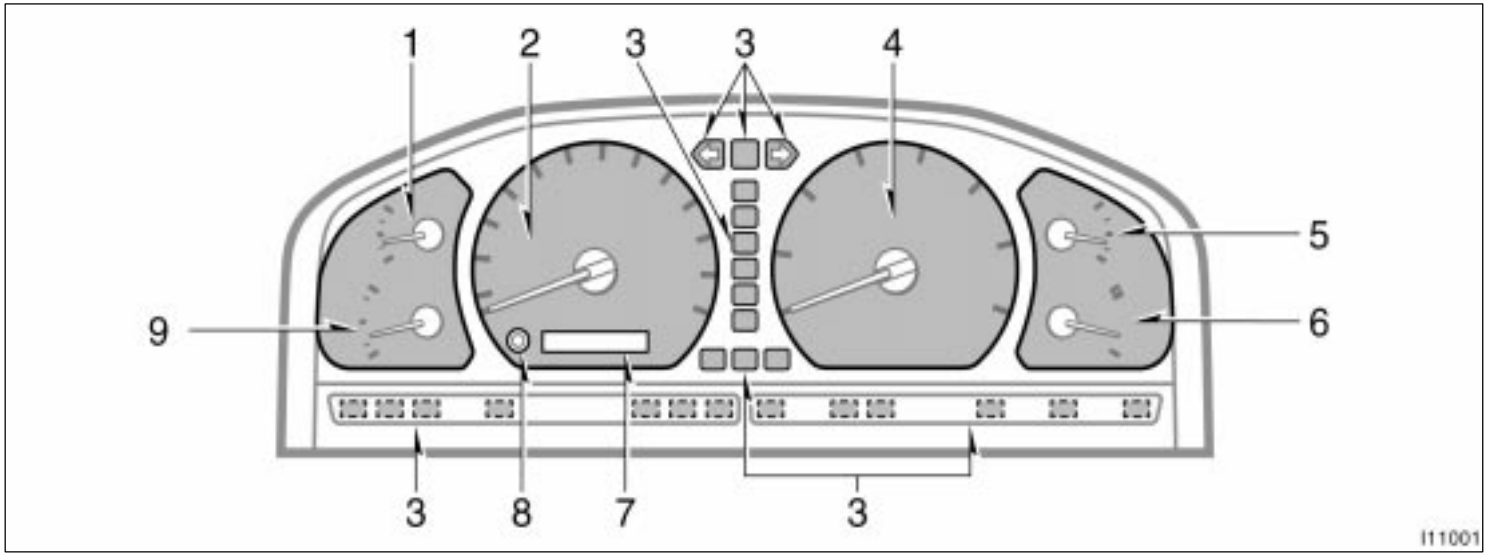
1. Headlight, turn signal and front fog light switches
2. Cruise control switch
3. Ignition switch
4. Windshield wiper, rear window wiper and washer switches
5. Emergency flasher switch
6. Power antenna switch
7. Car audio
8. Clock and outside temperature display
9. Air conditioning controls
10. Rear air conditioning switch
11. Rear heater switch
12. Rear window defogger switch
13. Center differential lock switch
14. Manual tilt steering lock release lever
15. Power tilt and telescopic steering switch
16. Instrument panel light control dial
17. Rear differential lock switch
18. Power rear view mirror control switch
19. Power quarter window switch (left-hand side)
20. Power quarter window switch (right-hand side)

▶Lower part of center cluster panel



1. Ashtray
2. Cigarette lighter
3. Power outlet

Instrument cluster overview



1. Voltmeter
2. Speedometer
3. Service reminder indicators and indicator lights
4. Tachometer
5. Oil pressure gauge
6. Engine coolant temperature gauge
7. Odometer and two trip meters
8. Trip meter reset knob
9. Fuel gauge

Indicator symbols on the instrument panel

BRAKE	Brake system warning light*1
	Driver's seat belt reminder light*1
PASSENGER 	Front passenger's seat belt reminder light*1
	Discharge warning light*1
 CHECK	Malfunction indicator lamp*1
	Low fuel level warning light*1
ABS	Anti- lock brake system warning light*1
	Open door warning light*1
A/T P	Unengaged "Park" warning light*1
A/T OIL TEMP	Automatic transmission fluid temperature warning light*1

	SRS airbag warning light*1
	Turn signal indicator lights
	Headlight high beam indicator light
O/D OFF	Overdrive- off indicator light*2
ECT PWR	Driving pattern ("POWER" mode) indicator light
2nd STRT	Automatic transmission second start indicator light
	Center differential lock indicator light
	Rear differential lock indicator light

CRUISE	Cruise control indicator light*3
P R N **D 2 L**	Automatic transmission indicator lights

*1: For details, see ”Service reminder indicators and warning buzzers” in Chapter 1- 5.

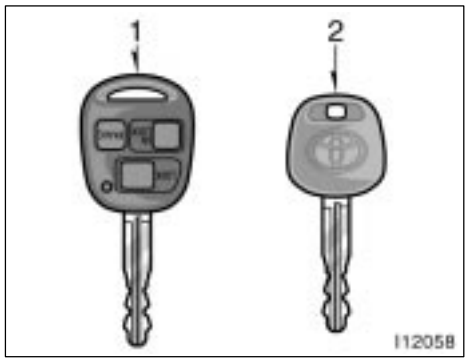
*2: If this light flashes, see ”Automatic transmission” in Chapter 1- 6.

*3: If this light flashes, see ”Cruise control” in Chapter 1- 6.

Part 1
OPERATION OF INSTRUMENTS AND CONTROLS—

Chapter 1- 2
Keys and Doors

Keys



Your vehicle is supplied with the two kinds of key.

1. Master key (black)—This key works in every lock. Your Toyota dealer will need it to make you a new key with built- in transponder chip.
2. Subkey (gray)—This key does not work in the glovebox.

The master key and subkey each have a transponder chip in their key head which is very important for the system function, so be careful not to lose these keys. If you make your own duplicate key, you will not be able to cancel the system or start the engine.

To protect things locked in the glovebox when you have your vehicle parked, leave the subkey with the attendant.

Since the side doors can be locked without a key, you should always carry a spare master key in case you accidentally lock your keys inside the vehicle.

For information on use of the wireless remote control key, see ”Side doors” in this chapter.

NOTICE

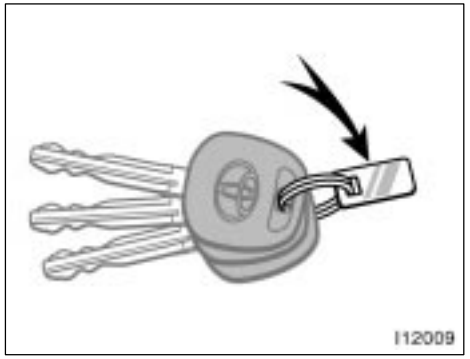
When using a key containing a transponder chip, observe the following precautions:

- ***When starting the engine, do not use the key with a key ring resting on the key grip and do not press the key ring against the key grip. Otherwise the engine may not start, or may stop soon after it starts.***

- ***When starting the engine, do not use the key with other transponder keys around (including keys of other vehicles) and do not press other key plates against the key grip. Otherwise the engine may not start, or may stop soon after it starts. If this happens, remove the key once and then insert it again after taking off other transponder keys (including keys of other vehicles) from the ring or while gripping or covering them with your hand to start the engine.***

- ***Do not bend the key grip.***

- ***Do not cover the key grip with any material that cuts off electromagnetic waves.***
- ***Do not knock the key hard against other objects.***
- ***Do not leave the key exposed to high temperatures for a long period, such as on the dashboard and hood under the direct sunlight.***
- ***Do not put the key in water or wash it in an ultrasonic washer.***
- ***Do not use the key with electromagnetic materials.***



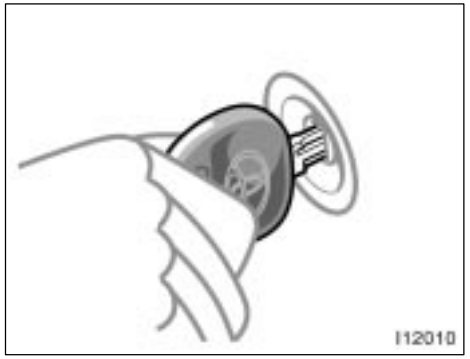
KEY NUMBER PLATE

Your key number is shown on the plate. Keep the plate in a safe place such as your wallet, not in the vehicle.

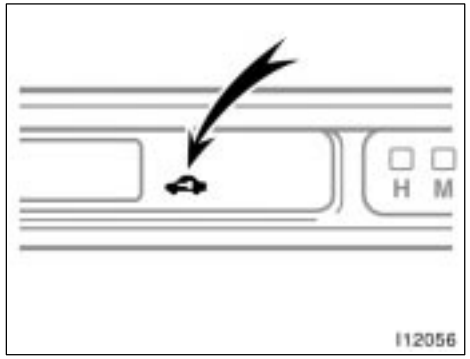
If you should lose your keys or if you need additional keys, duplicates can be made by a Toyota dealer using the key number.

We recommend you to write down the key number and keep it in safe place.

Engine immobiliser system



The engine immobiliser system is a theft prevention system. When you insert the key in the ignition switch, the transponder chip in the key's head transmits an electronic code to the vehicle. The engine will start, only when the electronic code in the chip corresponds to the registered ID code for the vehicle.



The system is automatically set when the key is removed from the ignition switch. The indicator light will start flashing every 1 second to show the system is set.

If either of the following indicator conditions occurs, contact your Toyota dealer.

- The indicator light stays on except when the theft deterrent system is setting or activating. (See “Theft deterrent system.)
- The indicator light does not start flashing when the key is removed from the ignition switch.
- The indicator light flashes unsteady.

Inserting the registered key in the ignition switch automatically cancels the system, which enables the engine to start. The indicator light will go off.

For your Toyota dealer to make you a new key with built-in transponder chip, your dealer will need your key number and master key. However, there is a limit to the number of additional keys your Toyota dealer can make for you.

If you make your own duplicate key, you will not be able to cancel the system or start the engine.

FCC ID: MOZ RI-7ATY
MADE IN JAPAN

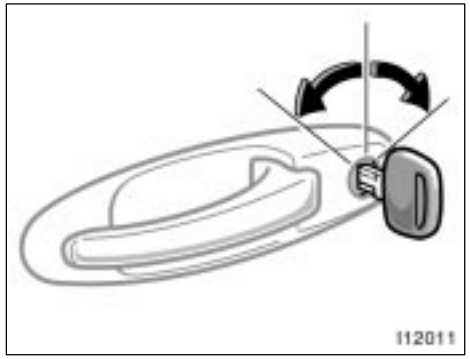
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

⚠ CAUTION

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

Side doors

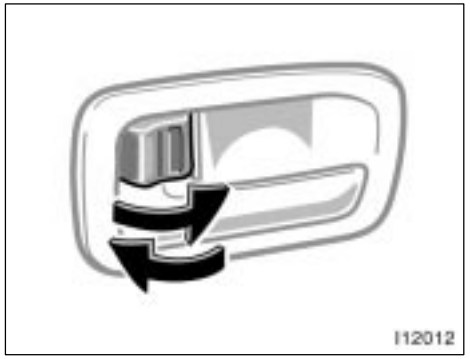


LOCKING AND UNLOCKING WITH KEY

Insert the key into the keyhole and turn it.

To lock: Turn the key forward.
To unlock: Turn the key backward.

All the side doors and back door lock and unlock simultaneously with either front side door. In the driver's door lock, turning the key once will unlock the driver's door and twice in succession will unlock all the side doors and back door simultaneously.



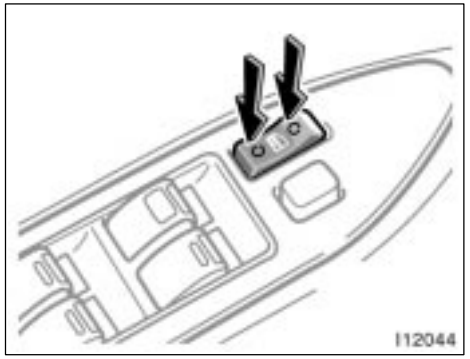
LOCKING AND UNLOCKING WITH INSIDE LOCK KNOB

Move the lock knob.

To lock: Push the knob forward.
To unlock: Pull the knob backward.

Closing the side door with the lock knob in the lock position will also lock the side door. Be careful not to lock your keys in the vehicle.

The front side doors cannot be locked if you leave the key in the ignition switch.



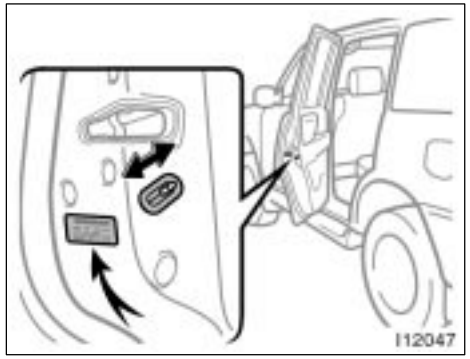
LOCKING AND UNLOCKING WITH POWER DOOR LOCK SWITCH

Push the switch.

To lock: Push the switch on the front side.
To unlock: Push the switch on the rear side.

All the side doors and back door lock or unlock simultaneously.

When the front side doors are locked from the outside, the switch will not work until the either front door is unlocked with the key or lock knob.



REAR DOOR CHILD-PROTECTORS

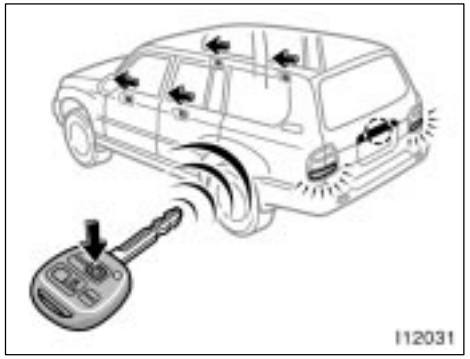
Move the lock lever to the "LOCK" position as shown on the label.

This feature allows you to lock a rear door so it can be opened from the outside only, not from inside. We recommend using this feature whenever small children are in the vehicle.

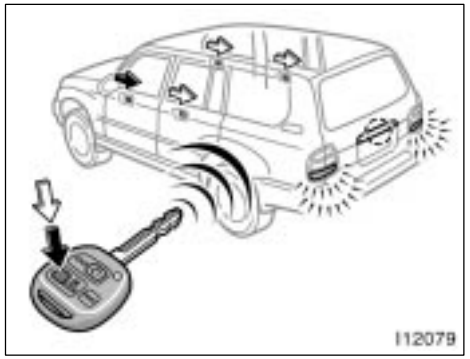
⚠ CAUTION

Before driving, be sure that the doors are closed and locked, especially when small children are in the vehicle. Along with the proper use of seat belts, locking the doors helps prevent the driver and passengers from being thrown out from the vehicle during an accident. It also helps prevent the doors from being opened unintentionally.

—Wireless remote control



Locking operation



Unlocking operation

Your vehicle has a wireless remote control system that can lock or unlock all the side doors and back door from a distance within approximately 1 m (3 ft.) of the vehicle.

LOCKING AND UNLOCKING THE SIDE DOORS AND BACK DOOR

To lock and unlock all the side doors and back door, push the switches slowly and securely.

To lock: Push the ”LOCK” switch. All the side doors and back door are locked simultaneously. At this time, parking lights and tail lights flash once.

Check to see that all the side doors and back door are securely locked.

If any of the side doors or back door is not securely closed, or if the key is in the ignition switch, locking cannot be performed by the ”LOCK” switch.

To unlock: Push the ”UNLOCK” switch once to unlock the driver’s door alone. Pushing the switch twice within 3 seconds unlocks all the side doors and back door simultaneously. At this time, parking lights and tail lights flash twice.

You have 30 seconds to open a door after using the wireless remote unlock feature. If a door is not opened by then, all the side doors and back door will be automatically locked again.

If the ”LOCK” or ”UNLOCK” switch is kept pressed in, the locking or unlocking operation is not repeated. Release the button and then push again.

”PANIC” SWITCH

Pushing the ”PANIC” switch for 1 second blows the horn intermittently and flashes the headlights and tail lights.

The ”PANIC” switch is used to deter the vehicle theft when you witness anyone attempting to brake into or damage your vehicle.

The alarm will last for one minute. To stop this in the midway, push the ”PANIC” or ”UNLOCK” switch, or unlock any side door or back door with key. You can also stop the alarm by turning the ignition key from ”LOCK” to the ”ON” position.

To cancel the ”PANIC” mode, unlock any side doors or back door with key or “UNLOCK” switch, or turn the ignition key from ”LOCK” to the ”ON” position.

The ”PANIC” mode does not work when the ignition key is in the ”ON” position.

WIRELESS REMOTE CONTROL KEY

The wireless remote control key is an electronic component. Observe the following instructions in order not to cause damage and trouble on the key.

- Do not leave the key on the places where the temperature becomes high such as on the dashboard.
- Do not disassemble it.
- Avoid knocking it hard against other objects or dropping it.
- Avoid putting it in water.

You can use up to 4 wireless remote control keys for the same vehicle. Contact your Toyota dealer for detailed information.

If the wireless remote control key does not actuate the doors or operate from a normal distance, or the indicator light on the key is dimmed or does not come on:

- Check for closeness to a radio transmitter such as a radio station or an airport which can interfere with normal operation of the key.
- The battery may have been consumed. Check the battery in the key. To replace the battery, see following ”REPLACING THE BATTERY”.

If you lose your wireless remote control key, contact your Toyota dealer as soon as possible to avoid the possibility of theft, or an accident.

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

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.

—Increase the separation between the equipment and receiver.

—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

—Consult the dealer or an experienced radio / TV technician for help.

⚠ CAUTION

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

REPLACING THE BATTERY

For replacement, use a lithium battery CR1616 and a special screwdriver.

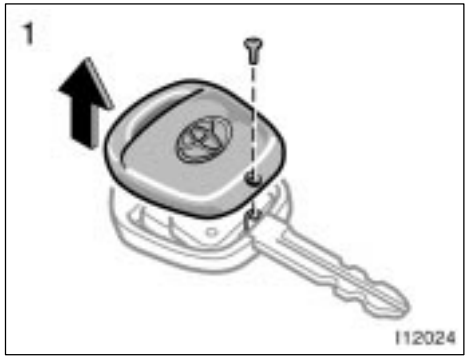
⚠ CAUTION

Special care should be taken that small children do not swallow the removed battery or components.

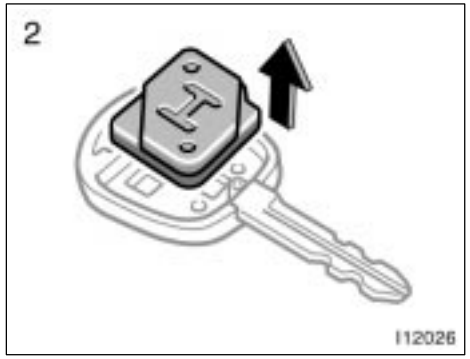
NOTICE

When replacing the terminal battery, be careful not to lose the components.

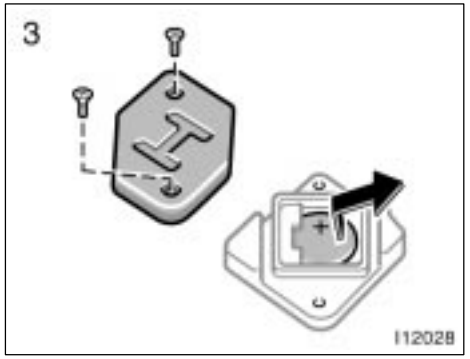
Replace the battery by the following procedures:



1. Remove the screw, and then the cover.



2. Remove the module from the key frame.



3. Remove the 2 screws to take out the lid of the module. Take out the discharged battery and put a new battery with the positive side up.

NOTICE

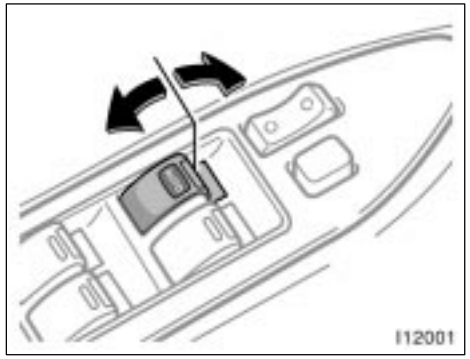
Do not bend the terminals.

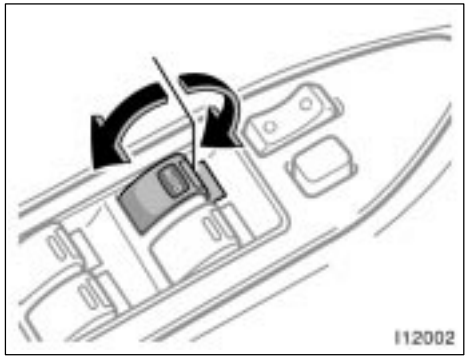
4. Install the lid with the 2 screws.
5. Install the module into the key frame and secure the cover with the screw.
6. When pushing any switch on the wireless key, make sure the indicator light comes on.

NOTICE

- ***Make sure the positive side and negative side of the battery should be faced correctly.***
- ***Be careful not to bend the electrode of the battery insertion and that dust or oils do not adhere to the case.***
- ***Take care not to lose the screws.***
- ***Close the cover securely.***

Power windows





The windows can be operated with the switch on each side door.

The power windows work when the ignition switch is in the ”ON” position. However, if both front doors are closed, they work for 45 seconds even after the ignition switch is turned off. They stop working when either front door is opened.

OPERATING THE DRIVER’S WINDOW

Use the switch on the driver’s door.

Normal operation: The window moves as long as you hold the switch.

To open: Lightly push down the switch.
To close: Lightly pull up the switch.

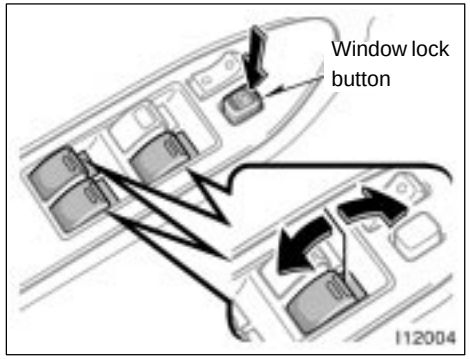
Automatic operation: Push the switch completely down or pull it completely up, and then release it. The window will fully open or close. To stop the window partway, lightly move the switch in the opposite direction and then release it.

Jam protection function: During automatic closing operation, the window stops and opens half way if something gets caught between the window and window frame.

If an impact is given to the window, this function may work without anything caught.

⚠ CAUTION

- **Never try jamming any part of your body to make the jam protection function work intentionally.**
- **The jam protection function may not work when something gets caught just before the window is fully closed.**



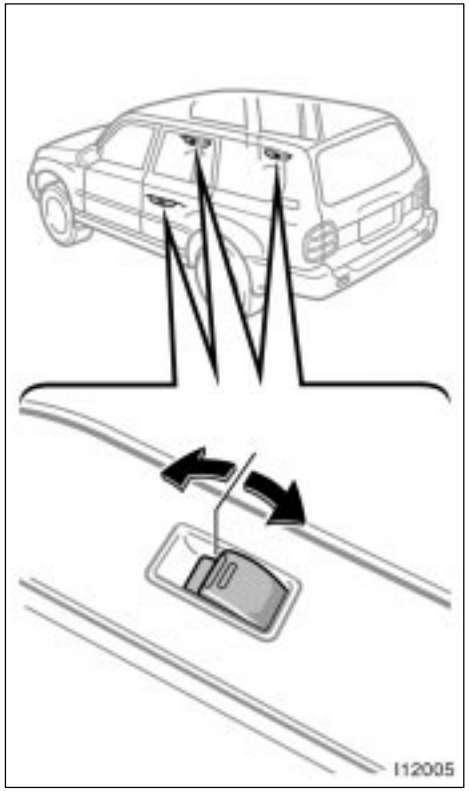
OPERATING THE PASSENGERS' WINDOWS

Use the switch on each passenger's door or the switches on the driver's door that control each passengers' window.

The window moves as long as you hold the switch.

To open: Push down the switch.
To close: Pull up the switch.

If you push in the window lock button on the driver's door, the passengers' windows cannot be operated.

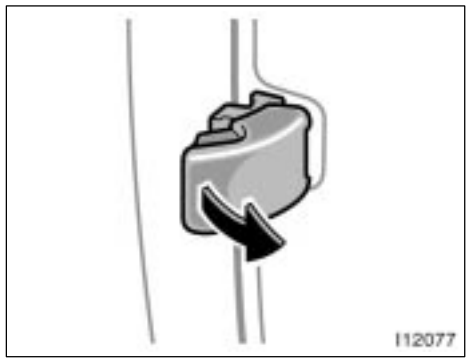


⚠ CAUTION

To avoid serious personal injury, you must do the following.

- **Always make sure the head, hands and other parts of the body of all occupants are kept completely inside the vehicle before you close the power windows. If someone's neck, head or hands gets caught in a closing window, it could result in a serious injury. When anyone closes the power windows, be sure that they operate the windows safely.**
- **When small children are in the vehicle, never let them use the power window switches without supervision. Use the window lock switch to prevent them from making unexpected use of the switches.**
- **Never leave small children alone in the vehicle, especially with the ignition key still inserted. They could use the power window switches and get trapped in a window. Unattended children can become involved in serious accidents.**

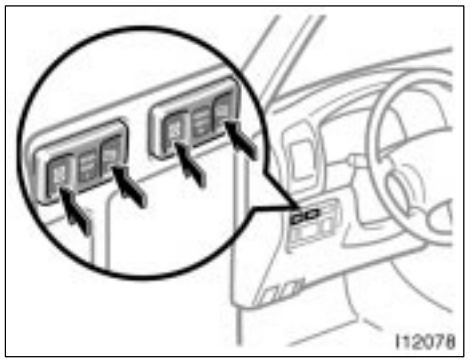
Manual quarter windows



To open the quarter window, pull the latch handle toward you and swing it fully out.

When closing the window, make sure it is completely closed.

Power quarter windows



The rear quarter windows can be operated with the "REAR VENT" switch on the instrument panel.

The power rear quarter windows work when the ignition switch is in the "ON" position.

Both left and right rear quarter windows move as long as you hold the switch.

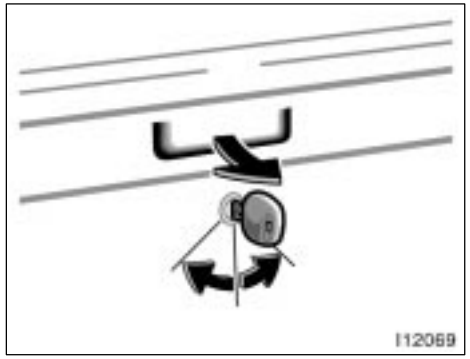
To open: Push the right side of the switch.
To close: Push the left side of the switch.

⚠ CAUTION

To avoid serious personal injury, you must do the following.

- **Always make sure the hands and other parts of the body of all occupants are kept completely inside the vehicle before you close the power quarter windows. If someone's hands get caught in a closing window, it could result in a serious injury. When anyone closes the power quarter windows, make sure that he/she operates the windows safely.**
- **Never leave small children alone in the vehicle, especially with the ignition key still inserted. They could use the power quarter window switch and get trapped in a window. Unattended children can be involved in serious accidents.**

Back door



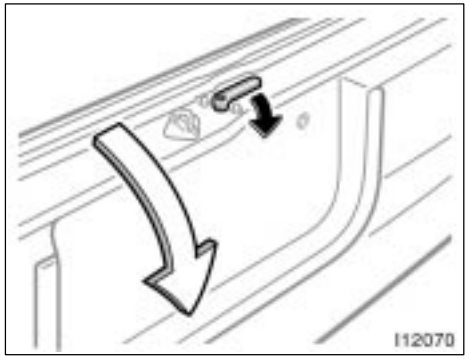
LOCKING AND UNLOCKING WITH KEY

Insert the key into the key hole and turn it.

To lock: Turn the key clockwise.
To unlock: Turn the key counterclockwise.

All the doors lock and unlock simultaneously with back door.

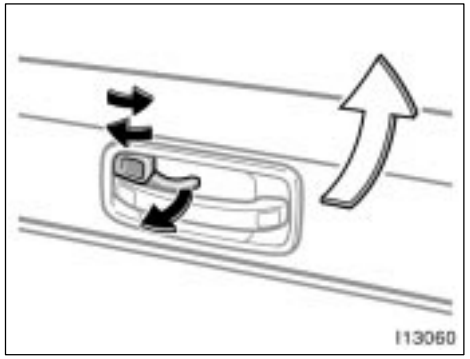
Operating the power door lock switch simultaneously locks or unlocks the doors back door (see “Side doors”).



Pull the handle and pull down the lower side of the back door.

See “Luggage stowage precautions” in Part 2 for precautions to observe for loading luggage.

To close the back door, lower it and press down on it. After closing the back door, try pulling it up to make sure it is securely closed.

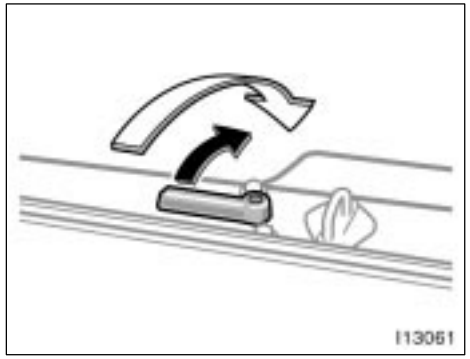


LOCKING AND UNLOCKING FROM INSIDE

Turn the knob.

To lock: Turn the knob on right side.
To unlock: Turn the knob on the left side.

Operating the power door lock switch simultaneously locks or unlocks the back door (see “Side doors”).



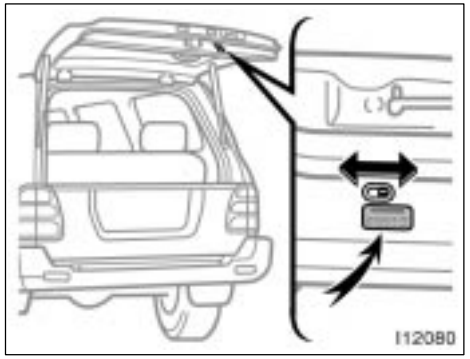
Push the handle toward you and push down the lower side of the back door.

When closing the back door, make sure it is fully closed.

See “Luggage stowage precautions” in Part 2 for precautions to observe for loading luggage.

⚠ CAUTION

- **Keep the back door closed while driving. This not only keeps the luggage from being thrown out but also prevents exhaust gases from entering the vehicle.**
- **If the open back door hides the stop and tail lights, rear turn signal lights or rear retro reflectors while you are parked, other road users must be warned of your vehicle by a warning triangle or other device.**



BACK DOOR CHILD- PROTECTOR

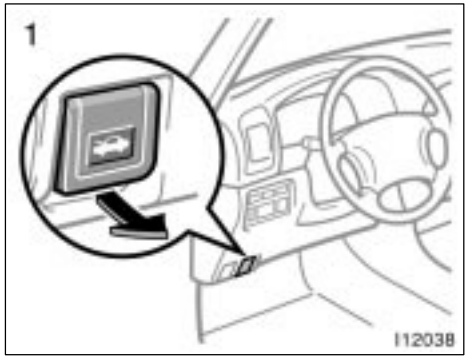
Move the lock lever to the ”LOCK” position as shown on the label.

This feature allows you to lock a back door so it can be opened from the outside only, not from inside. We recommend using this feature whenever small children are in the vehicle.

⚠ CAUTION

Before driving, be sure that the back door is closed and locked, especially when small children are in the vehicle. Along with the proper use of seat belts, locking the doors helps prevent the driver and passengers from being thrown out from the vehicle during an accident. It also helps prevent the doors from being opened unintentionally.

Hood

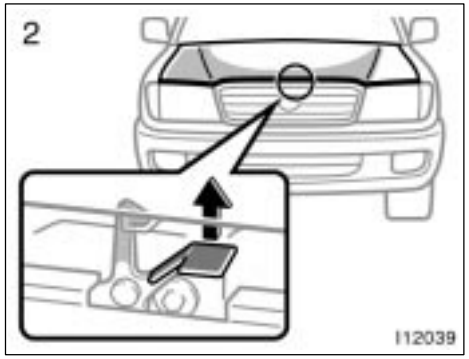


To open the hood:

1. Pull the hood lock release lever. The hood will spring up slightly.

⚠ CAUTION

Before driving, be sure that the hood is closed and securely locked. Otherwise, the hood may open unexpectedly while driving and an accident may occur.



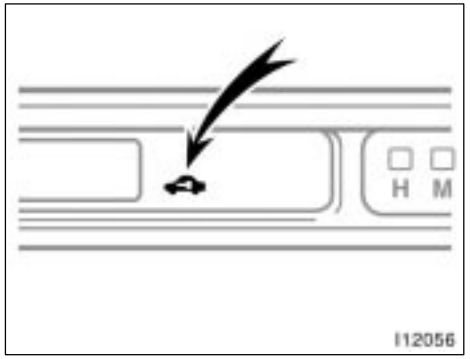
2. In front of the vehicle, pull up the auxiliary catch lever and lift the hood.

Before closing the hood, check to see that you have not forgotten any tools, rags, etc. Then lower the hood and make sure it locks into place. If necessary, press down gently on the front edge to lock it.

Theft deterrent system—

To deter the vehicle theft, the system is designed to give an alarm if any of the side doors, back door or hood is forcibly unlocked or opened or the battery terminal is disconnected and then reconnected when the vehicle is locked.

The alarm blows the horn intermittently and flashes the headlights and tail lights.



SETTING THE SYSTEM

1. Turn the ignition key to the ”LOCK” position and remove it.

The indicator light will start flashing every 1 second when the key is removed from the ignition switch. (See ”Engine immobiliser system” for details.)

2. Have all passengers get out of the vehicle.
3. Close and lock all the side doors, back door and hood.

The indicator light will come on when all the side doors, back door and hood are closed and locked.

The system will automatically be set after 30 seconds. When the system is set, the indicator light will start flashing again.

4. After making sure the indicator light starts flashing, you may leave the vehicle.

Never leave anyone in the vehicle when you set the system, because unlocking from the inside will activate the system.

WHEN THE SYSTEM IS SET

Activating the system

The system will give the alarm under the following conditions:

- If any of the side doors is unlocked or opened without the key or wireless remote control transmitter, or if the back door or hood is forcibly opened
- If the battery terminal is disconnected and then reconnected

The indicator light will come on when the system is activating.

If any of the side door or back door is unlocked without the key or wireless remote control transmitter and the key is not in the ignition switch, all the side doors and back door will be automatically locked again.

After one minute, the alarm will automatically stop and the indicator light will starts flashing again.

Reactivating the alarm

Once set, the system automatically resets the alarm after the alarm stops.

The alarm will activate again under the same circumstances described in “Activating the system”.

Stopping the alarm

The alarm will be stopped by the following three ways:

- Turn the ignition key from the ”LOCk” to ”ON” position.
- Unlock any of the side doors or back door with the key or wireless remote control transmitter.

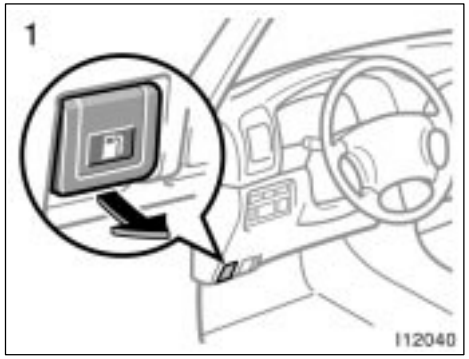
These ways cancel the system at the same time.

TESTING THE SYSTEM

1. Open all the windows.
2. Set the system as described above. The side doors and back door should be locked with the key or wireless remote control transmitter. Be sure to wait until the indicator light goes off or starts flashing.
3. Unlock any side door or back door from the inside. The system should activate the alarm.
4. Stopping the alarm as described above.
5. Repeat this operation for the other doors, back door and hood. When testing on the hood, also check that the system is activated when the battery terminal is disconnected and then reconnected.

If the system does not work properly, have it checked by your Toyota dealer.

Fuel tank cap

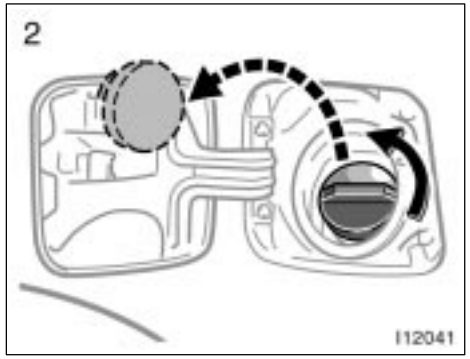


1. To open the fuel filler door, pull the lever.

When refueling, turn off the engine.

⚠ CAUTION

- **Do not smoke, cause sparks or allow open flames when refueling. The fumes are flammable.**
- **When opening the cap, do not remove the cap quickly. In hot weather, fuel under pressure could cause injury by spraying out of the filler neck if the cap is suddenly removed.**



2. To remove the fuel tank cap, turn the cap slowly counterclockwise, then pause slightly before removing it. After removing the cap, hang it on the cap hanger.

It is not unusual to hear a slight swoosh when the cap is opened. When installing, turn the cap clockwise till you hear a click.

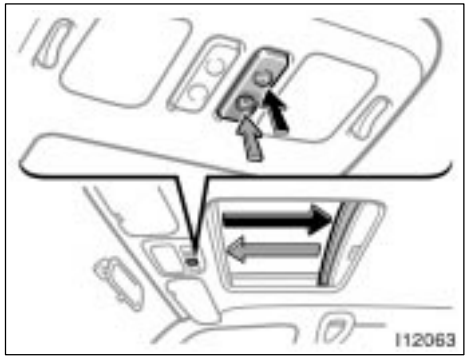
If the cap is not tightened securely, the malfunction indicator lamp comes on. Make sure the cap is tightened securely.

⚠ CAUTION

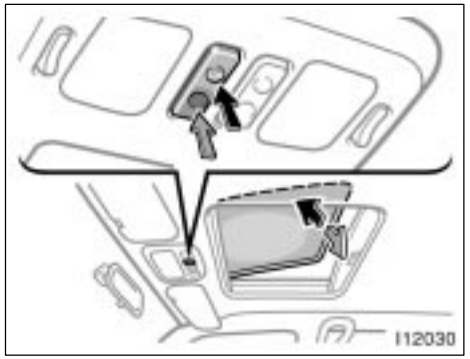
▶Make sure the cap is tightened securely to prevent fuel spillage in case of an accident.

▶Use only a genuine Toyota fuel tank cap for replacement. It has a built-in check valve to reduce fuel tank vacuum.

Electric moon roof



Sliding operation



Tilting operation

To operate the moon roof, use the switches beside the personal light.

The moon roof works when the ignition switch is in the ”ON” position. However, if both front doors are closed, it works for 45 seconds even after the ignition switch is turned off. It stops working when any of the side doors or back door is opened.

Sun shade operation—

The sun shade can be opened or closed by hand.

Sliding operation—

To open: Push the switch on the rear side.

The roof will fully open. To stop the roof partway, push the same switch or tilt switch.

The sun shade will be opened together with the roof.

To close: Push the switch on the front side.

The roof will fully close. To stop the roof partway, push the same switch or tilt switch.

Tilting operation—

To tilt up: Push the switch on the ”UP” side.

The roof will tilt up fully. To stop the roof partway, push the same switch or slide switch.

To lower: Push the switch on the opposite side of the ”UP” side.

The roof will fully close. To stop the roof partway, push the same switch or slide switch.

Jam protection function (closing operation only): During closing operation, the moon roof stops and opens half way if something gets caught between the moon roof and frame.

If an impact is given to the moon roof, this function may work without anything caught.

⚠ CAUTION

To avoid serious personal injury, you must do the following.

- **While the vehicle is moving, always keep the head, hands and other parts of the body of all occupants away from the roof opening. Otherwise, you could be seriously injured if the vehicle stops suddenly or if the vehicle is involved in an accident.**
- **Always make sure nobody places his/her head, hands and other parts of the body in the roof opening before you close the roof. If someone’s neck, head or hands gets caught in the closing roof, it could result in a serious injury. When anyone closes the roof, first make sure it is safe to do so.**
- **Never leave small children alone in the vehicle, especially with the ignition key still inserted. They could use the moon roof switches and get trapped in the roof opening. Unattended children can become involved in serious accidents.**

- **Never sit on top of the vehicle around the roof opening.**
- **Never try jamming any part of your body to make the jam protection function work intentionally.**
- **The jam protection function may not work when something gets caught just before the moon roof is fully closed.**

Part 1
OPERATION OF INSTRUMENTS AND CONTROLS—

Chapter 1- 3
Seats, Seat belts, Steering wheel and Mirrors

Seats

While the vehicle is being driven, all vehicle occupants should have the seatback upright, sit well back in the seat and properly wear the seat belts provided.

⚠ CAUTION

▶Do not drive the vehicle unless the occupants are properly seated. Do not allow sitting on top of a folded- down seatback, or in the luggage compartment. Persons not properly seated and not properly restrained by seat belts can be severely injured in the event of emergency braking or a collision.

▶During driving, do not allow passengers to stand up or move around between seats. Severe injuries can occur in the event of emergency braking or a collision.

Front seats—
—Seat adjustment precautions

Adjust the driver's seat so that the foot pedals, steering wheel and instrument panel controls are within easy reach of the driver.

⚠ CAUTION

- **Adjustments should not be made while the vehicle is moving, as the seat may unexpectedly move and cause the driver to lose control of the vehicle.**
- **When adjusting the seat, be careful not to hit the seat against a passenger or luggage.**
- **After adjusting the seat position, try sliding it forward and backward to make sure it is locked in position.**
- **After adjusting the seatback, exert body pressure to make sure it is locked in position.**
- **Do not put objects under the seats. The objects may interfere with the seat-lock mechanism or unexpectedly push up the seat position adjusting lever; the seat may suddenly move, causing the driver to lose control of the vehicle.**

- **While adjusting the seat, do not put your hands under the seat or near the moving parts. You may catch and injure your hands or fingers.**

—Adjusting front seats

1. SEAT POSITION AND SEAT CUSHION ANGLE ADJUSTING SWITCH

Move the control switch in the desired direction.

Releasing the switch will stop the seat at that position.

Do not place anything under the front seats. It might interfere with the seat movement.

2. SEATBACK ANGLE ADJUSTING SWITCH

Move the control switch in the desired direction.

Releasing the switch will stop the seatback at that position.

⚠ CAUTION

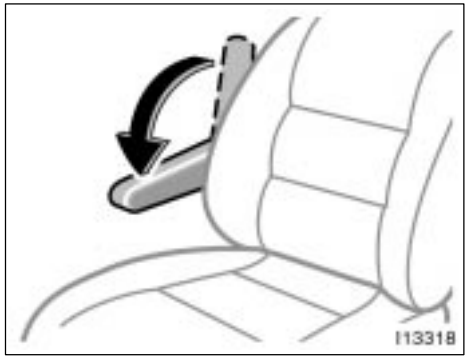
To reduce the risk of sliding under the lap belt during a collision, avoid reclining the seatback any more than needed. The seat belts provide maximum protection in a frontal or rear collision when the driver and the passenger are sitting up straight and well back in the seats. If you are reclined, the lap belt may slide past your hips and apply restraint forces directly to the abdomen. Therefore, in the event of a frontal collision, the risk of personal injury may increase with increasing recline of the seatback.

3. SEAT LUMBAR SUPPORT ADJUSTING SWITCH

Push the control switch on either side.

The amount of lumber support will change as long as the switch is pushed.

Armrest



To use the armrest, pull it down as shown above.

NOTICE

To prevent damage to the armrest, avoid putting heavy loads on it.

Rear seats—
—Adjusting second seats

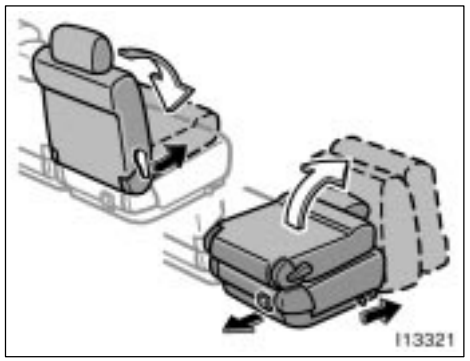
SEATBACK ANGLE ADJUSTING LEVER

Lean forward and pull the lever toward you. Then lean back to the desired angle and release the lever.

⚠ CAUTION

- **To reduce the risk of sliding under the lap belt during a collision, avoid reclining the seatback any more than needed. The seat belts provide maximum protection when the passengers are sitting well back and straight up in the seats. If you are reclined, the lap belt may slide past your hips and apply restraint forces directly to the abdomen. Therefore, in the event of a frontal collision, the risk of personal injury may increase with increasing recline of the seatback.**
- **Adjustments should not be made while the vehicle is moving.**
- **After adjusting the seatback, exert body pressure to make sure it is locked in position.**

—Moving second seat for third seat entry



For easy access to the third seat, do this.

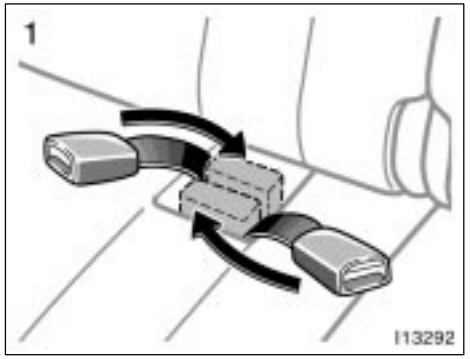
Push the seat back angle adjusting lever and pull the seat cushion lock release lever or pull the strap.

After passengers are in, return the seat until it locks.

⚠ CAUTION

After returning the seat, make sure the seat is securely locked by pushing forward and rearward on the top of the seatback or by trying to pull up the edge of the bottom cushion.

—Folding up second seat



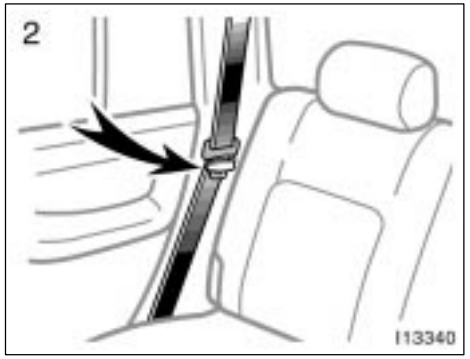
BEFORE FOLDING UP SECOND SEAT

1. Stow the second seat belts as shown in the illustration.

This prevents the belts from falling out when you fold up the second seat.

NOTICE

The seat belts must be stowed before you fold up the second seat.

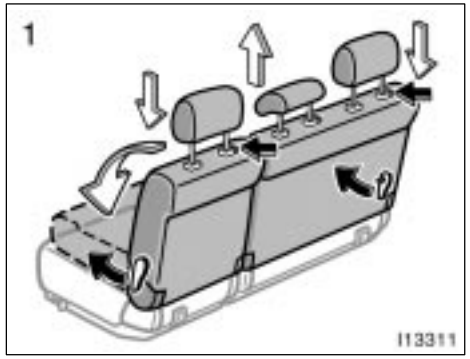


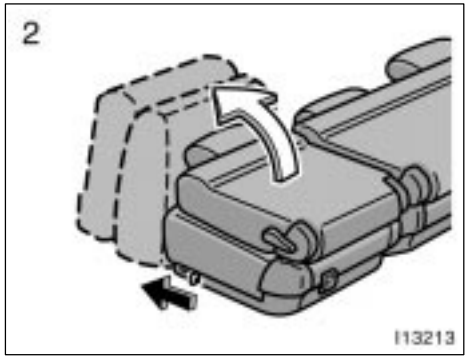
2. Make sure the shoulder belt pass through the hanger when holding the second seat.

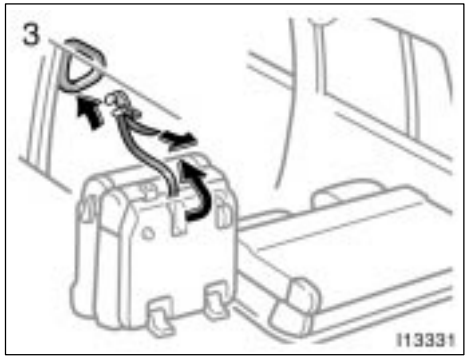
This prevents the shoulder belt from being damaged.

⚠ CAUTION

Seat belt must be removed from the hanger when seat belt is in use.







FOLDING UP SECOND SEAT

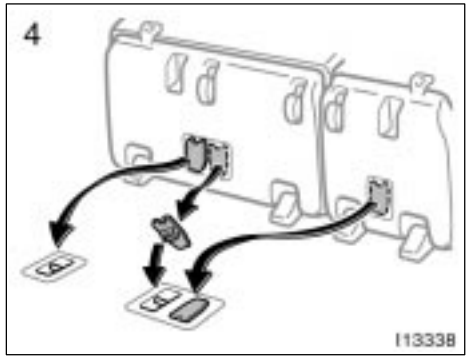
1. **Lower the outer head restraint to the lowest position and pull up the center head restraint. Unlock the seatback and fold it down.**

Vehicles without third seats—Folding up the rear seats will enlarge the luggage compartment. See ”Luggage stowage precautions” in Part 2 for precautions to observe for loading luggage.

2. **Unlock the seat cushion. Swing the whole seat up and forward.**

3. **Hook the strap.**

When returning the second seat to its original position, put the holding strap into the hole.



4. Remove the seat striker covers from the back of the seat cushion, and install them over the seat strikers.

When returning the second seat to its original position, remove the seat striker covers from the floor and install them in the back of the seat cushion.

⚠ CAUTION

When returning seats to their original position:

- **Make sure the seat belts are not twisted or caught under the seat and are arranged in their proper position for ready use.**
- **Make sure that the seat is securely locked by pushing forward and rearward on the top of the seatback or by trying to pull up the edge of the bottom cushion. Failure to do so will prevent seat belt from proper operation.**

—Adjusting third seats

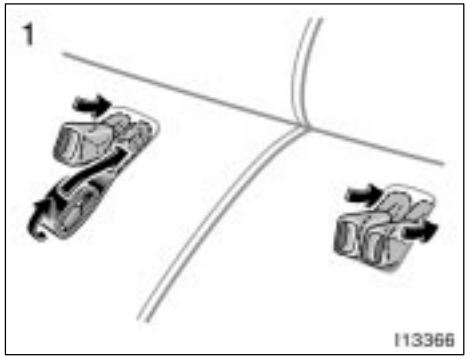
SEATBACK ANGLE ADJUSTING LEVER

Lean forward and pull the lever toward you. Then lean back to the desired angle and release the lever.

⚠ CAUTION

- **To reduce the risk of sliding under the lap belt during a collision, avoid reclining the seatback any more than needed. The seat belts provide maximum protection when the passengers are sitting well back and straight up in the seats. If you are reclined, the lap belt may slide past your hips and apply restraint forces directly to the abdomen. Therefore, in the event of a frontal collision, the risk of personal injury may increase with increasing recline of the seatback.**
- **Adjustments should not be made while the vehicle is moving.**
- **After adjusting the seatback, exert body pressure to make sure it is locked in position.**

—Folding up third seats



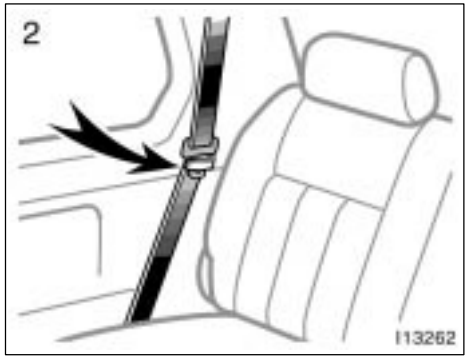
BEFORE FOLDING UP THIRD SEAT

1. **Stow the third seat belts as shown in the illustration.**

This prevents the belts from falling out when you fold up the third seat.

NOTICE

The seat belts must be stowed before you fold up the third seat.

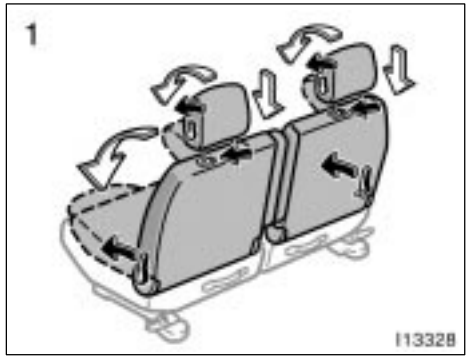


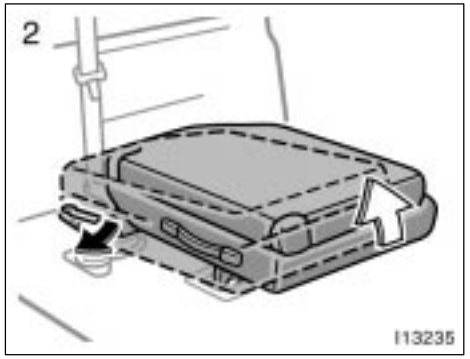
2. **Make sure the shoulder belt pass through the hanger when holding the second seat.**

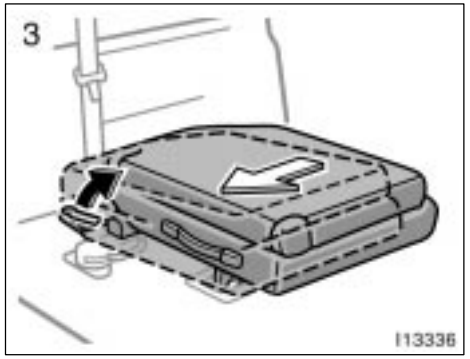
This prevents the shoulder belt from being damaged.

⚠ CAUTION

Seat belt must be removed from the hanger when seat belt is in use.







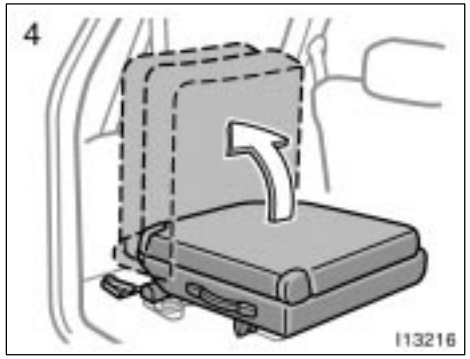
FOLDING UP THIRD SEAT

1. **Lower the head restraint to the lowest position. Unlock the seatback and fold it down.**

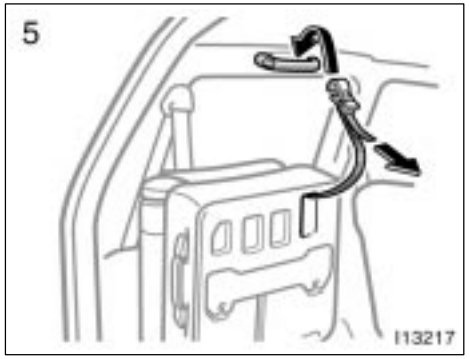
Folding up the third seats will enlarge the luggage compartment. See ”Luggage stowage precautions” in Part 2 for precautions to observe for loading luggage.

2. **Unlock the seat cushion while holding the handle.**

3. **Slide the whole seat to the rearmost position while pulling up the handle.**

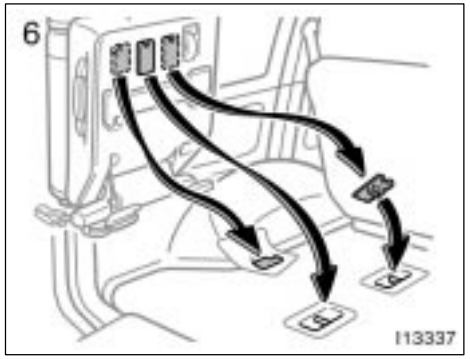


4. Swing the whole seat up.



5. Hook the strap.

When returning the third seat to its original position, put the holding strap into the hole.



6. Remove the seat striker covers from the back of the seat cushion, and install them over the seat strikers.

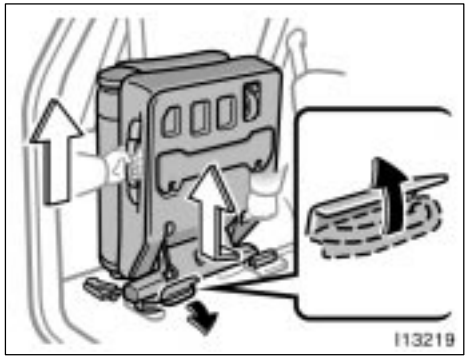
When returning the third seat to its original position, remove the seat striker covers from the floor and install them in the back of the seat cushion.

⚠ CAUTION

When returning seats to their original position:

- **Make sure the seat belts are not twisted or caught under the seat and are arranged in their proper position for ready use.**
- **Make sure that the seat is securely locked by pushing forward and rearward on the top of the seatback or by trying to pull up the edge of the bottom cushion. Be certain to replace head restraint. Failure to do so will prevent seat belt from proper operation.**

—Removing third seats



After folding up the third seat, open the cover, hold the whole seat and pull it up while pulling the handle toward you.

Removing the third seat will enlarge the luggage compartment. See "Luggage stowage precautions" in Part 2 for precautions to observe for loading luggage.

⚠ CAUTION

When removing or reinstalling the seat, observe the following to prevent personal injury:

- **Do not fold or remove the seat while the vehicle is moving.**
- **Be careful not to get your hands or feet pinched in the seat.**
- **Be careful not to hit the removed seat against a person or drop it on yourself.**
- **After folding or installing the seat, push it forward and backward to make sure it is locked in position.**

To prevent personal injury in a collision or sudden stop:

- **Do not sit on or place anything on the folded seatback while driving.**
- **Do not leave the removed loose seat in the vehicle.**
- **Do not try to sit on or place anything on the removed seat.**

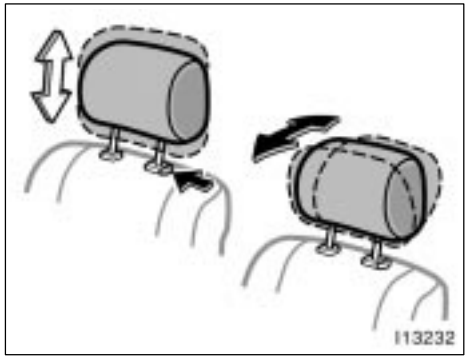
▶When reinstalling the seat, be careful not to hit the seat against you or inside of the vehicle.

▶Install each seat in the same position from which it was removed. Failure to do so will prevent third seat occupants from using seat belts properly.

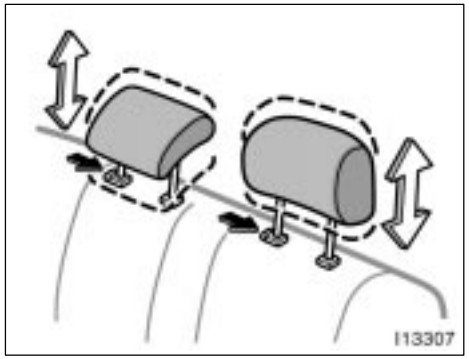
NOTICE

Avoid putting heavy loads on the removed seat. The metallic tips of the seat legs may be damaged and the seat cannot be reinstalled.

Head restraints



Front



Rear

For your safety, adjust the head restraint before driving.

To raise: Pull it up.
To lower: Push it down while pressing the lock release button.

Front head restraint only—You can also move the head restraint forward or backward. If such adjustment is desired, pull or push the head restraint.

Rear center head restraint—When an occupant sits on the rear center seat, always pull up the rear center head restraint to the lock position.

The head restraint is most effective when it is close to your head. Therefore, using a cushion on the seatback is not recommended.

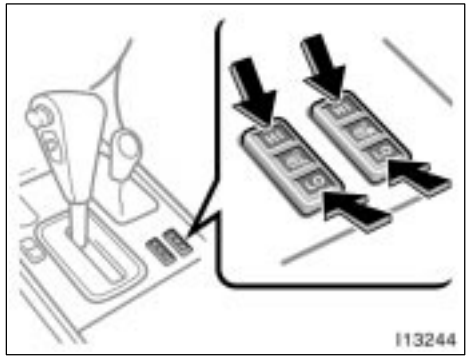
⚠ CAUTION

▶Adjust the center of the head restraint so that it is closest to the top of your ears.

▶After adjusting the head restraint, make sure it is locked in position.

▶Do not drive with the head restraints removed.

Seat heaters



To turn on the seat heater, push the switch to "HI" (high heating temperature) or "LO" (low heating temperature).

The key must be in the "ON" position.

Pushing lightly on the opposite side will turn it off.

⚠ CAUTION

Occupants must use caution when operating the seat heater because it may make them feel too hot or cause burns at low temperatures (erythema, varicella). Use extra caution for;

- **Baby, small child, elderly person, sick person or handicapped person**
- **Persons who have delicate skin**
- **Persons who are exhausted**
- **Persons who have taken alcohol or drugs which induce sleep (sleeping drug, cold remedy, etc.)**

To prevent the seat overheating, do not use the seat heater with a blanket, cushion, or other insulating objects which cover the seat.

NOTICE

- ***Do not put unevenly weighed objects on the seat and do not stick sharp objects (needles, nails, etc.) into the seat.***
- ***When cleaning the seats, do not use organic substances (paint thinner, benzine, alcohol, gasoline, etc.). They may damage the heater and seat surface.***
- ***To prevent the battery from being discharged, turn the switch on when the engine is running.***

Seat belts–
—Seat belt precautions

Toyota strongly urges that the driver and passengers in the vehicle be properly restrained at all times with the seat belts provided. Failure to do so could increase the chance of injury and/or the severity of injury in accidents.

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

If a child is too large for a child restraint system, the child should sit in the rear seat and must be restrained using the vehicle's seat belt. According to accident statistics, the child is safer when properly restrained in the rear seat than in the front seat.

If a child must sit in the front seat, the seat belts should be worn properly. If an accident occurs and the seat belts are not worn properly, the force of the rapid inflation of the airbag may cause death or serious injury to the child.

Do not allow the child to stand up or kneel on either rear or front seats. An unrestrained child could suffer serious injury or death during emergency braking or a collision. Also, do not let the child sit on your lap. It does not provide sufficient restraint.

Pregnant woman. Toyota recommends the use of a seat belt. Ask your doctor for specific recommendations. The lap belt should be worn securely and as low as possible over the hips and not on the waist

Injured person. Toyota recommends the use of a seat belt. Depending on the injury, first check with your doctor for specific recommendations.

⚠ CAUTION

Persons should ride in their seats properly wearing their seat belts whenever the vehicle is moving. Otherwise, they are much more likely to suffer serious bodily injury or death in the event of sudden braking or a collision.

When using the seat belts, observe the following:

- **Use the belt for only one person at a time. Do not use a single belt for two or more people–even children.**
- **Avoid reclining the seatbacks too much. The seat belts provide maximum protection when the seatbacks are in the upright position. (Refer to the seat adjustment instructions.)**
- **Be careful not to damage the belt webbing or hardware. Take care that they do not get caught or pinched in the seat or doors.**
- **Inspect the belt system periodically. Check for cuts, fraying, and loose parts. Damaged parts should be replaced. Do not disassemble or modify the system.**

▶Keep the belts clean and dry. If they need cleaning, use a mild soap solution or lukewarm water. Never use bleach, dye, or abrasive cleaners—they may severely weaken the belts. (See "Cleaning the interior" in Part 5.)

▶Replace the belt assembly (including bolts) if it has been used in a severe impact. The entire assembly should be replaced even if damage is not obvious.

—3- point seat belts

Adjust the seat as needed and sit up straight and well back in the seat. To fasten your belt, pull it out of the retractor and insert the tab into the buckle.

You will hear a click when the tab locks into the buckle.

The seat belt length automatically adjusts to your size and the seat position.

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

If the seat belt cannot be pulled out of the retractor, firmly pull the belt and release it. You will then be able to smoothly pull the belt out of the retractor.

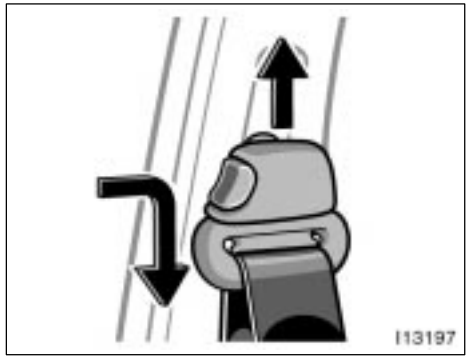
When a passenger's shoulder belt is completely extended and is then retracted even slightly, the belt is locked in that position and cannot be extended. This feature is used to hold the child restraint system securely. (For details, see "Child restraint" in this chapter.) To free the belt again, fully retract the belt and then pull the belt out once more.

⚠ CAUTION

▶After inserting the tab, make sure the tab and buckle are locked and that the belt is not twisted.

▶Do not insert coins, clips, etc. in the buckle as this may prevent you from properly latching the tab and buckle.

▶If the seat belt does not function normally, immediately contact your Toyota dealer. Do not use the seat until the seat belt is fixed. It cannot protect an adult occupant or your child from injury.



Seat belts with an adjustable shoulder anchor—

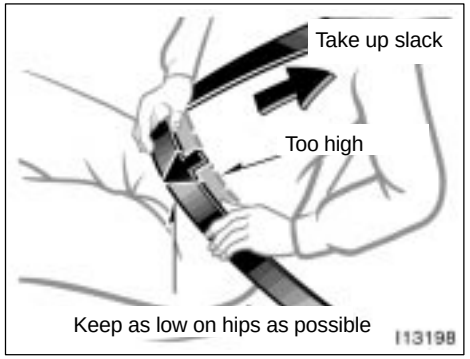
Adjust the shoulder anchor position to your size.

To raise: Slide the anchor up.
To lower: Push in the lock release button and slide the anchor down.

After adjustment, make sure the anchor is locked in position.

⚠ CAUTION

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 serious injuries in a collision.



Adjust the position of the lap and shoulder belts.

Position the lap belt as low as possible on your hips–not on your waist, then adjust it to a snug fit by pulling the shoulder portion upward through the latch plate.

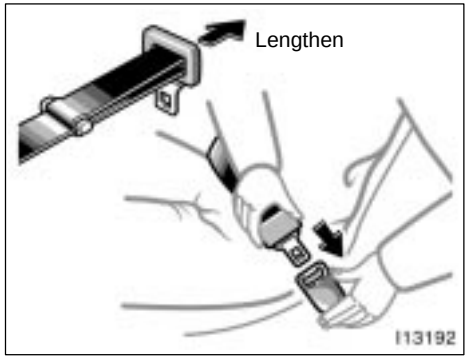
⚠ CAUTION

- **High-positioned lap belts and loose-fitting belts both could cause serious injuries due to sliding under the lap belt during a collision or other unintended result. Keep the lap belt positioned as low on hips as possible.**
- **For your safety, do not place the shoulder belt under your arm.**

To release the belt, press the buckle-release button and allow the belt to retract.

If the belt does not retract smoothly, pull it out and check for kinks or twists. Then make sure it remains untwisted as it retracts.

—2-point seat belt



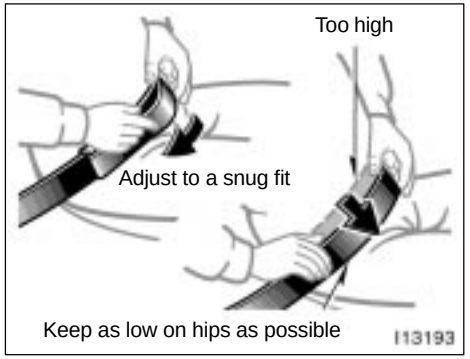
Sit up straight and well back in the seat. To fasten your belt, insert the tab into the buckle.

You will hear a click when the tab locks into the buckle.

If the belt is not long enough for you, hold the tab at a right angle to the belt and pull on the tab.

⚠ CAUTION

- **After inserting the tab, make sure the tab and buckle are locked and that the lap and shoulder portions of the belt is not twisted.**
- **Do not insert coins, clips, etc. in the buckle as this may prevent you from properly latching the tab and buckle.**
- **If the seat belt does not function normally, immediately contact your Toyota dealer immediately. Do not use the seat until the seat belt is fixed. It cannot protect an adult occupant or your child from injury.**



Remove excess length of the belt and adjust the belt position.

To shorten the belt, pull the free end of the belt.

Position the lap belt as low as possible on your hips–not on your waist, then adjust it to a snug fit.

⚠ CAUTION

High- positioned and loose- fitting lap belts could cause serious injuries due to sliding under the lap belt during a collision or other unintended result. Keep the lap belt positioned as low on hips as possible.

To release the belt, press the buckle- release button.

—Seat belt extender

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

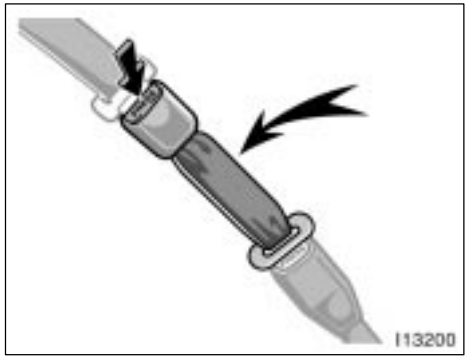
Please contact your local Toyota dealer so that the dealer can order the proper required length for the extender. Bring the heaviest coat you expect to wear for proper measurement and selection of length. Additional ordering information is available at your Toyota dealer.

⚠ CAUTION

When using the seat belt extender, observe the following. Failure to follow these instructions could result in less effectiveness of the seat belt restraint system in case of vehicle accident, increasing the chance of personal injury.

▶Never use the seat belt extender if you can fasten the seat belt without it.

▶Remember that the extender provided for you may not be safe when used on a different vehicle, or for another person or at a different seating position than the one originally intended for.



To connect the extender to the seat belt, insert the tab into the seat belt buckle so that the "PRESS" signs on the buckle-release buttons of the extender and the seat belt are both facing outward as shown.

You will hear a click when the tab locks into the buckle.

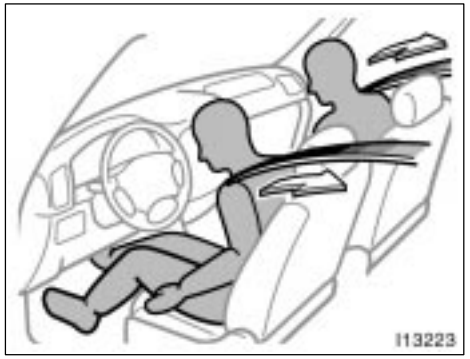
When releasing the seat belt, press on the buckle-release button on the extender, not on the seat belt. This helps prevent damage to the vehicle interior and extender itself.

When not in use, remove the extender and store in the vehicle for future use.

⚠ CAUTION

- **After inserting the tab, make sure the tab and buckle are locked and that the lap and shoulder portions of the belt is not twisted.**
- **Do not insert coins, clips, etc. in the buckle as this may prevent you from properly latching the tab and buckle.**
- **If the seat belt does not function normally, immediately contact your Toyota dealer immediately. Do not use the seat until the seat belt is fixed. It cannot protect an adult occupant or your child from injury.**

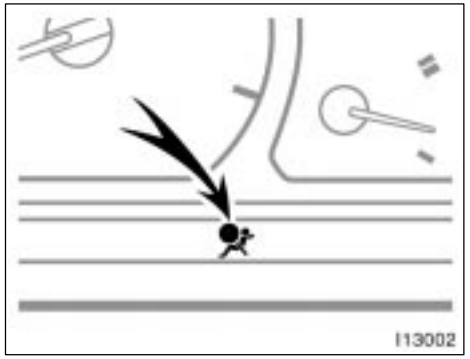
—Front seat belt pretensioners



The driver and front passenger's seat belt pretensioners are designed to be activated together with the airbags in response to a severe frontal impact.

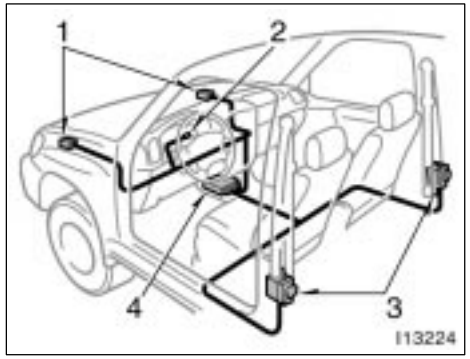
When the airbag sensor detects the shock of a severe frontal impact, the front seat belt is quickly drawn back in by the retractor so that the belt snugly restrains the front seat occupants.

The seat belt pretensioners are activated even with no passenger in the front seat.



This indicator comes on when the ignition key is turned to the "ACC" or "ON" position. It goes off after about 6 seconds. This means the front seat belt pretensioners are operating properly.

This warning light system monitors airbag sensor assembly, seat belt pretensioner assembly, warning light, interconnecting wiring and power sources. (For details, see "Service reminder indicators and warning buzzers" in Chapter 1-5.)



The seat belt pretensioner system mainly consists of the following components and their locations are shown in the illustration.

1. Front airbag sensors
2. SRS airbag warning light
3. Seat belt pretensioner assemblies
4. Airbag sensor assembly

The seat belt pretensioner is controlled by the airbag sensor assembly. The airbag sensor assembly consists of a safing sensor and airbag sensor.

When a seat belt pretensioner is activated, an operating noise may be heard and a small amount of smoke-like gas may be released. This gas is harmless and does not indicate that a fire is occurring.

Once the seat belt pretensioner has been activated, the seat belt retractor remains locked.

⚠ CAUTION

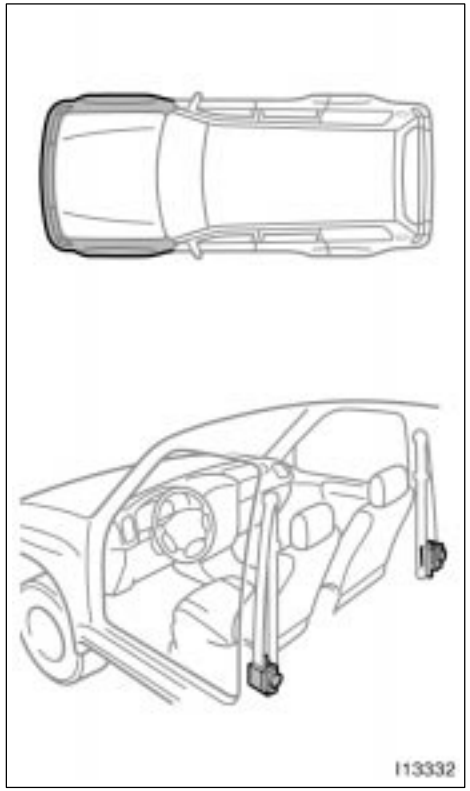
Do not modify, remove, strike or open the front seat belt pretensioner assemblies, airbag sensor or surrounding area or wiring. Doing any of these may cause sudden operation of the front seat belt pretensioners or disable the system, which could result in serious injury.

Failure to follow these instructions can result in serious injuries.

NOTICE

Do not perform any of the following changes without consulting your Toyota dealer. Such changes can interfere with proper operation of the seat belt pretensioners in some cases.

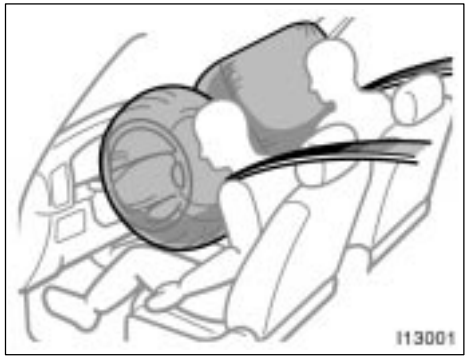
- ***Installation of electronic items such as a mobile two-way radio, cassette tape player or compact disc player***
- ***Repairs on or near the front seat belt retractor assemblies***
- ***Modification of the suspension system***
- ***Modification of the front end structure***
- ***Attachment of a grille guard (bull bar, kangaroo bar, etc.), snowplow, winches or any other equipment to the front end***
- ***Repairs made on or near the front fenders, front end structure or console***



This front seat belt pretensioner system has a service reminder indicator to inform the driver of operating problems. If either of the following conditions occurs, this indicates a malfunction of the airbags or pretensioners. Contact your Toyota dealer as soon as possible to service the vehicle.

- The light does not come on when the ignition key is turned to the "ACC" or "ON" position, or remains on.
- The light comes on or flashes while driving.
- If either front seat belt does not retract or can not be pulled out due to a malfunction or activation of the pretensioner.
- The front and side parts of the vehicle (shaded in the illustration) were involved in an accident not of the extent to cause the seat belt pretensioners to operate.
- The front seat belt pretensioner assembly or surrounding area has been damaged.
- The front seat belt pretensioner assembly is scratched, cracked, or otherwise damaged.

SRS driver and front passenger airbags



The SRS (Supplemental Restraint System) airbags are designed to provide further protection for the driver and front passenger when added to the primary protection provided by the seat belts.

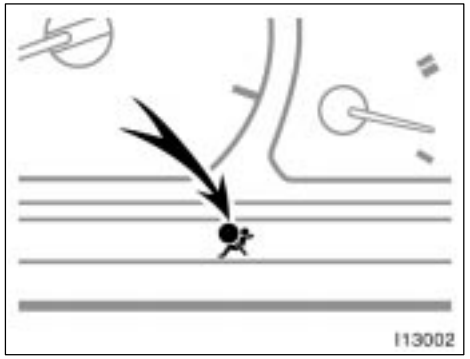
In response to a severe frontal impact, the SRS airbags work together with the seat belts to help prevent or reduce injury by inflating, in order to decrease the likelihood of the driver's or front passenger's head or chest directly hitting the steering wheel or dashboard. The passenger airbag is activated even with no passenger in the front seat.

Be sure to wear your seat belt.

⚠ CAUTION

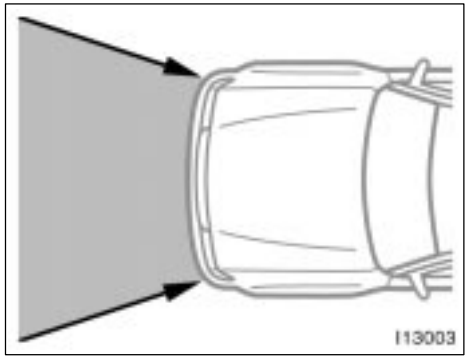
A driver or front passenger too close to the steering wheel or dashboard during airbag deployment can be killed or seriously injured. Toyota strongly recommends that:

- **The driver sit as far back as possible from the steering wheel while still maintaining control of the vehicle.**
- **The front passenger sit as far back as possible from the dashboard.**
- **All vehicle occupants be properly restrained using the available seat belts.**



This indicator comes on when the ignition key is turned to the "ACC" or "ON" position. It goes off after about 6 seconds. This means the SRS airbags are operating properly.

The SRS airbag warning light system monitors the airbag sensor assembly, inflators, warning light, interconnecting wiring and power sources. (For details, see "Service remainder indicators and warning buzzers" in Chapter 1-5.)



The SRS airbag system is designed to activate in response to a severe frontal impact within the shaded area between the arrows in the illustration.

There may be the case that the SRS airbags will not activate with such an impact in which the occupant wearing the seat belt correctly would not get serious injury.

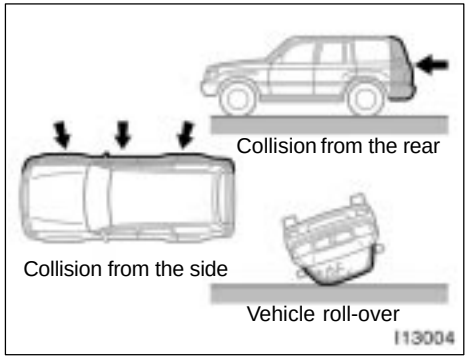
The SRS airbags will deploy if the severity of the impact is above the designed threshold level, comparable to an approximate 25 km/h (15 mph) collision when impacting straight into a fixed barrier that does not move or deform.

If the severity of the impact is below the above threshold level, the SRS airbags may not deploy.

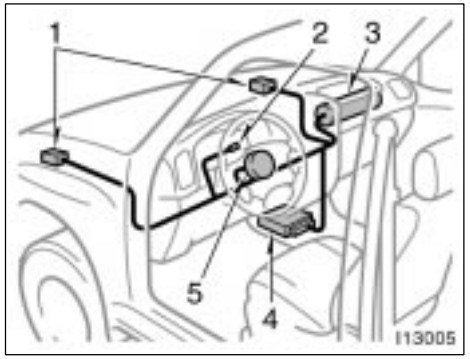
However, this threshold velocity will be considerably higher if the vehicle strikes an object, such as a parked vehicle or sign pole, which can move or deform on impact, or if it is involved in an underride collision (eg. a collision in which the nose of the vehicle ”underrides”, or goes under, the bed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

It is possible with collision severity at the marginal level of airbag sensor detection and activation that only one of your vehicle’s two airbags will deploy.

For the safety of all occupants, be sure to always wear seat belts.



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



The SRS airbag system mainly consists of the following components and their locations are shown in the illustration.

1. Front airbag sensors
2. SRS airbag warning light
3. Airbag module for passenger (airbag and inflator)
4. Airbag sensor assembly
5. Airbag module for driver (airbag and inflator)

The airbag sensor assembly consists of a safing sensor and airbag sensor.

In a severe frontal impact, sensors detect deceleration and the system triggers the airbag inflators. Then a chemical reaction in the inflators momentarily fills the airbags with non-toxic gas to help restrain the forward motion of the occupants.

When the airbags inflate, they produce a fairly loud noise and release some smoke along with non-toxic gas. This does not indicate a fire. Be sure to wash off any residue as soon as possible to prevent minor skin irritation.

Deployment of the airbags happen in a fraction of a second, so the airbags must inflate with considerable force. While the system is designed to reduce serious injuries, it may also cause minor burns or abrasions and swellings.

Parts of the airbag module (steering wheel hub, dashboard) may be hot for several minutes, but the airbags themselves will not be hot. The airbags are designed to inflate only once.

A crash severe enough to inflate the airbags may break the windshield as the vehicle buckles. In vehicles with a passenger airbag the windshield may also be damaged by absorbing some of the force of the inflating airbag.

⚠ CAUTION

▶The SRS airbag system is designed only as a supplement to the primary protection of the driver side and front passenger side seat belt systems. The front seat occupants can be killed or seriously injured by an inflating airbag if they do not wear the available seat belts. During sudden braking just before a collision, an unrestrained driver or front passenger can move forward into direct contact with or close proximity to the airbag which may then deploy during the collision. To obtain maximum protection in an accident, the driver and all passengers in the vehicle must wear their seat belts. Wearing a seat belt during an accident reduces the chances of death or serious injuries or being thrown out of the vehicle. For instructions and precautions concerning the seat belt system, see “Seat belts” in this chapter.

▶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 seat of the vehicle and properly restrained. The rear seat is the safest for infants and children. For instructions concerning the installation of a child restraint system, see “Child restraint” in this chapter.

▶Never put a rear-facing child restraint system on the front seat because the force of the rapid inflation of the passenger airbag can cause death or serious injury to the child.

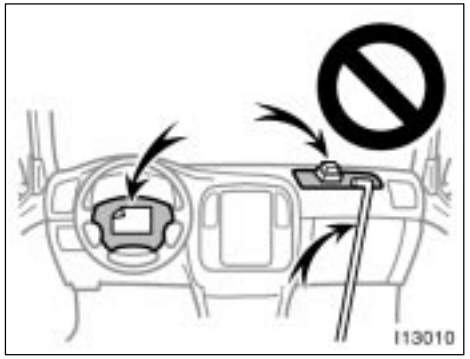
▶A forward-facing child restraint system should be allowed to put on the front seat only when it is unavoidable. Always move the seat as far back as possible, because the force of a deploying airbag could cause death or serious injury to the child.

For instructions concerning the installation of a child restraint system, see “Child restraint” in this chapter.

▶Do not sit on the edge of the seat or lean over the dashboard when the vehicle is in use. The airbags inflate with considerable speed and force; you may be killed or seriously injured. Sit up straight and well back in the seat, and always use your seat belt.

▶Do not allow a child to stand up, or to kneel on the front passenger seat. The airbag inflates with considerable speed and force; the child may be killed or seriously injured.

▶Do not hold a child on your lap or in your arms. Use a child restraint system in the rear seat. For instructions concerning the installation of a child restraint system, see “Child restraint” in this chapter.



▶Do not put objects or your pets on or in front of the dashboard or steering wheel pad that houses the airbag system. They might restrict inflation or cause death or serious injury as they are projected rearward by the force of deploying airbags. Likewise, the driver and front passenger should not hold things in their arms or on their knees.

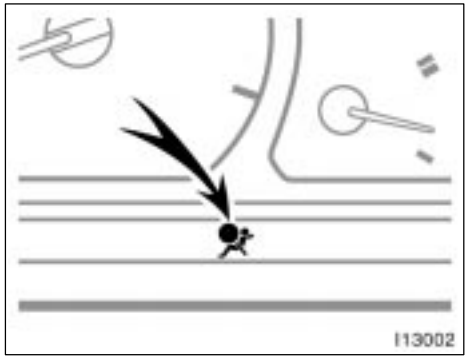
▶Do not modify or remove any wiring. Do not modify, remove, strike or open any components such as the steering wheel column cover, front passenger airbag cover, front passenger airbag, airbag sensor assembly. Doing any of these may cause sudden SRS airbag inflation or disable the system, which could result in death or serious injury.

Failure to follow these instructions can result in death or serious injuries.

NOTICE

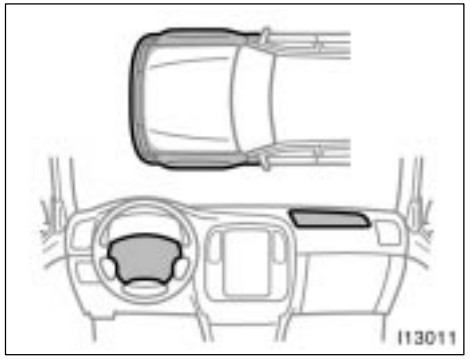
Do not perform any of the following changes without consulting your Toyota dealer. Such changes can interfere with proper operation of the SRS airbag system in some cases.

- ***Installation of electronic items such as a mobile two-way radio, cassette tape player or compact disc player***
- ***Modification of the suspension system***
- ***Modification of the front end structure***
- ***Attachment of a grille guard (bull bar, kangaroo bar, etc.), snowplow, winches or any other equipment to the front end***
- ***Repairs made on or near the front fenders, front end structure, console, steering column, steering wheel or dashboard near the front passenger airbag***



This SRS airbag system has a service reminder indicator to inform the driver of operating problems. If either of the following conditions occurs, this indicates a malfunction of the airbags. Contact your Toyota dealer as soon as possible to service the vehicle.

- ▶The light does not come on when the ignition key is turned to the "ACC" or "ON" position, or remains on.
- ▶The light comes on while driving.



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

- ▶The SRS airbags have been inflated.
- ▶The front part of the vehicle (shaded in the illustration) was involved in an accident not of the extent to cause the SRS airbags to inflate.
- ▶The pad section of the steering wheel or front passenger airbag cover (shaded in the illustration) is scratched, cracked, or otherwise damaged.

NOTICE

Do not disconnect the battery cables before contacting your Toyota dealer.

Child restraint—
—Child restraint precautions

Toyota strongly urges the use of child restraint systems for children small enough to use them.

The laws of all fifty states in the U.S.A. now require the use of a child restraint system.

Your vehicle conforms to SAEJ1819.

If a child is too large for a child restraint system, the child should sit in the rear seat and must be restrained using the vehicle's seat belt. See "Seat belts" for details.

⚠ CAUTION

▶For effective protection in automobile accidents and sudden stops, children 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 use of a proper child restraint system which conforms to the size of the child, and is put on the rear seat. According to accident statistics, the child is safer when properly restrained in the rear seat than in the front seat.

▶Never put a rear-facing child restraint system on the front seat. In the event of an accident, the force of the rapid inflation of the airbag can cause death or serious injury if a rear-facing child restraint system is put on the front seat.

▶Unless it is unavoidable, do not put a child restraint system on the front seat.

▶A forward-facing child restraint system should be allowed to put on the front seat only when it is unavoidable. Always move the seat as far back as possible, because the force of a deploying airbag could cause death or serious injury to the child.

▶Make sure that you have complied with all installation instructions provided by the child restraint manufacturer and that the system is properly secured.

—Child restraint system

A child restraint system for a small child or baby must itself be properly restrained on the seat with either the lap belt or the lap portion of the lap/shoulder belt. You must carefully consult the manufacturer's instructions which accompany your child restraint system.

To provide proper restraint, use a child restraint system following the manufacturer's instructions about the appropriate age and size of the child for the child restraint system.

Install the child restraint system correctly following the instructions provided by its manufacturer. General directions are also provided under the following illustrations.

The child restraint system should be 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.

⚠ CAUTION

- **Never put a rear-facing child restraint system on the front seat. In the event of an accident, the force of the rapid inflation of the airbag can cause death or serious injury if a rear-facing child restraint system is put on the front seat.**
- **Unless it is unavoidable, do not put a child restraint system on the front seat.**
- **A forward-facing child restraint system should be allowed to put on the front seat only when it is unavoidable. Always move the seat as far back as possible, because the force of a deploying airbag could cause death or serious injury to the child.**
- **After installing the child restraint system, make sure it is secured in place following the manufacturer's instructions. If it is not restrained securely, it may cause death or serious injury to the child in the event of a sudden stop or accident.**

When not using the child restraint system, keep it secured with the seat belt or place it somewhere other than the passenger compartment. This will prevent it from injuring passengers in the event of a sudden stop or accident.

—Types of child restraint system

Child restraint systems are classified into the following 3 types depending on the child's age and size.

(A) Infant seat
(B) Convertible seat
(C) Booster seat

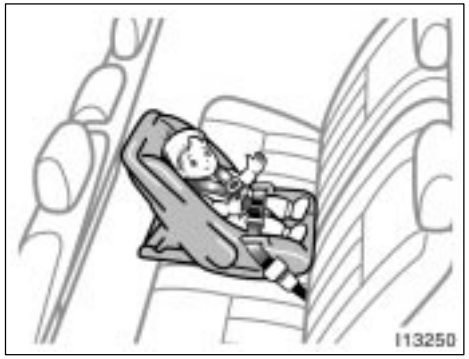
Install the child restraint system following the instructions provided by its manufacturer.

(A) Infant seat

(B) Convertible seat

(C) Booster seat

—Installation with 2- point type seat belt

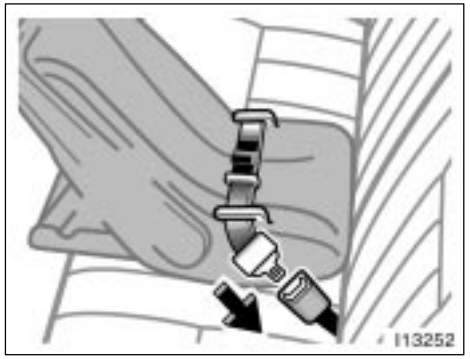


(A) INFANT SEAT INSTALLATION

An infant seat is used in rear- facing position only.

⚠ CAUTION

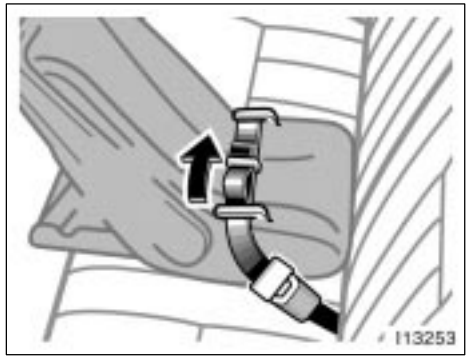
Do not put a rear-facing child restraint system on the third seat if it interferes with the lock mechanism of the second seats. This may cause severe injury to the child and passengers sitting in the second seats in case of sudden braking or a collision.



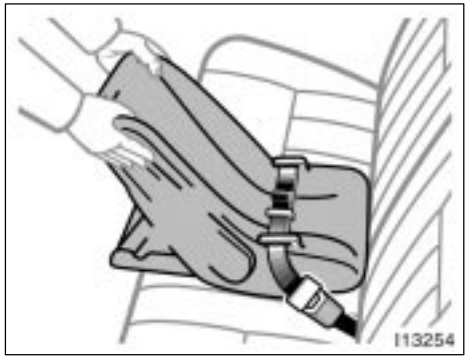
1. Run the center lap belt through or around the infant seat following the instructions provided by its manufacturer and insert the tab into the buckle taking care not to twist the lap belt.

⚠ CAUTION

- **After inserting the tab, make sure the tab and buckle are locked and that the lap and shoulder portions of the belt is not twisted.**
- **Do not insert coins, clips, etc. in the buckle as this may prevent you from properly latching the tab and buckle.**
- **If the seat belt does not function normally, it cannot protect your child from injury. Contact your Toyota dealer immediately. Do not use the seat until the seat belt is fixed.**

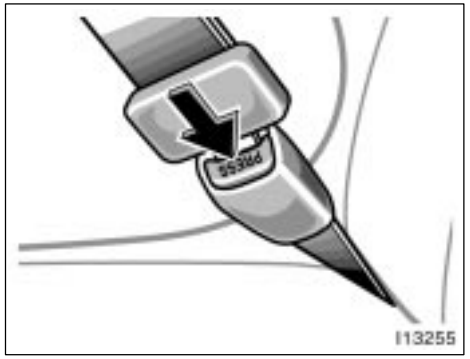


2. While pressing the infant seat firmly against the seat cushion and seatback, tighten the lap belt by pulling its free end to hold the infant seat securely.

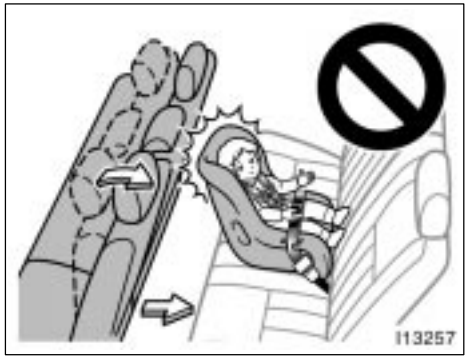


⚠ CAUTION

Push and pull the child restraint system in different directions to be sure it is secure. Follow all the installation instruction provided by its manufacturer.



3. To remove the infant seat, press the buckle- release button.



(B) CONVERTIBLE SEAT INSTALLATION

A convertible seat is used in forward-facing and rear-facing position depending on the child's age and size. When installing, follow the manufacturer's instruction about the applicable child's age and size as well as directions for installing a child restraint system.

⚠ CAUTION

Do not put a rear-facing child restraint system on the third seat if it interferes with the lock mechanism of the second seats. This can cause severe injury to the child and passengers sitting second seats in case of sudden braking or a collision.

1. Run the center lap belt through or around the convertible seat following the instructions provided by its manufacturer and insert the tab into the buckle taking care not to twist the lap belt.

⚠ CAUTION

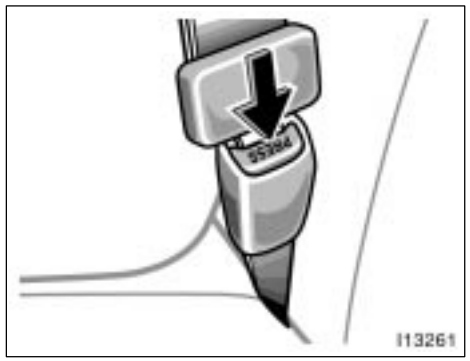
- **After inserting the tab, make sure the tab and buckle are locked and that the lap and shoulder portions of the belt is not twisted.**
- **Do not insert coins, clips, etc. in the buckle as this may prevent you from properly latching the tab and buckle.**
- **If the seat belt does not function normally, it cannot protect your child from injury. Contact your Toyota dealer immediately. Do not use the seat until the seat belt is fixed.**

2. While pressing the convertible seat firmly against the seat cushion and seatback, tighten the lap belt by pulling its free end to hold the convertible seat securely.

⚠ CAUTION

Push and pull the child restraint system in different directions to be sure it is secure. Follow all the installation instructions provided by its manufacturer.

—Installation with 3- point type seat belt



3. To remove the convertible seat, press the buckle- release button.

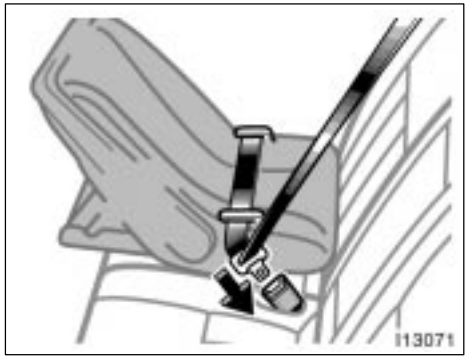
(A) INFANT SEAT INSTALLATION

An infant seat is used in rear- facing position only.

⚠ CAUTION

▶Never put a rear- facing child restraint system on the front seat because the force of the rapid inflation of the passenger airbag can cause death or serious injury to the child.

▶Do not put a rear-facing child restraint system on the second (or third) seat if it interferes with the lock mechanism of the front (or second) seats. This may cause severe injury to the child and front passenger in case of sudden braking or a collision.



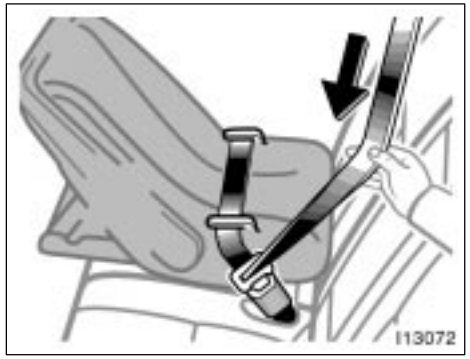
1. Run the lap and shoulder belt through or around the infant seat following the instructions provided by its manufacturer and insert the tab into the buckle taking care not to twist the belt. Keep the lap portion of the belt tight.

⚠ CAUTION

▶After inserting the tab, make sure the tab and buckle are locked and that the lap and shoulder portions of the belt are not twisted.

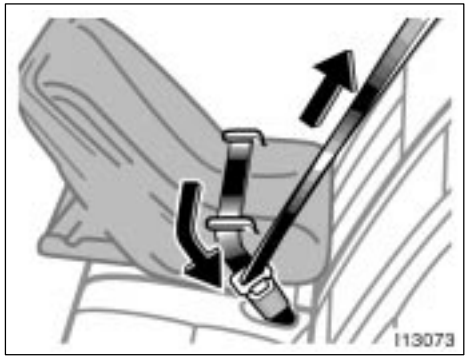
▶Do not insert coins, clips, etc. in the buckle as this may prevent you from properly latching the tab and buckle.

▶If the seat belt does not function normally, it cannot protect your child from injury. Contact your Toyota dealer immediately. Do not use the seat until the seat belt is fixed.

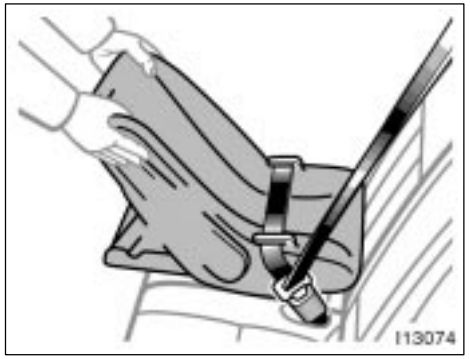


2. Fully extend the shoulder belt to put it in the lock mode. When the belt is then retracted even slightly, it cannot be extended.

To hold the infant seat securely, make sure the belt is in the lock mode before letting the belt retract.

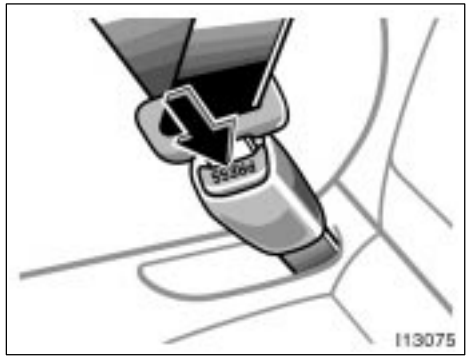


3. While pressing the infant seat firmly against the seat cushion and seatback, let the shoulder belt retract as far as it will go to hold the infant seat securely.

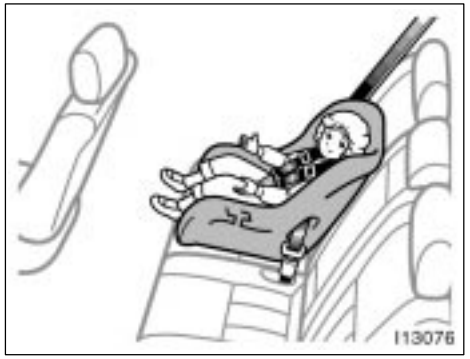


⚠ CAUTION

Push and pull the child restraint system in different directions to be sure it is secure. Follow all the installation instructions provided by its manufacturer.

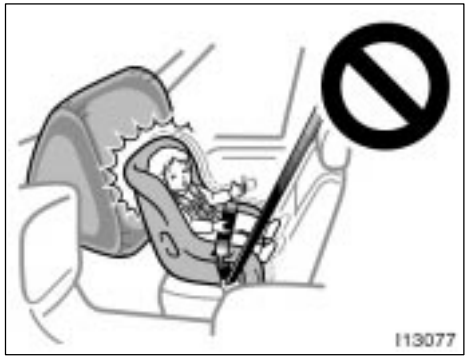


4. To remove the infant seat, press the buckle-release button and allow the belt to retract completely. The belt will move freely again and be ready to work for an adult or older child passenger.



(B) CONVERTIBLE SEAT INSTALLATION

A convertible seat is used in forward-facing and rear-facing position depending on the child's age and size. When installing, follow the manufacturer's instructions about the applicable child's age and size as well as directions for installing a child restraint system.

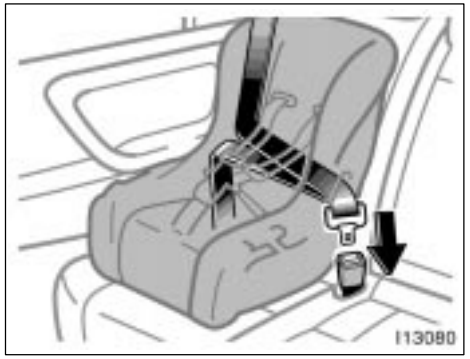


⚠ CAUTION

▶Never put a rear-facing child restraint system on the front seat because the force of the rapid inflation of the passenger airbag can cause death or serious injury to the child.

▶**A forward-facing child restraint system should be allowed to put on the front seat only when it is unavoidable. Always move the seat as far back as possible, because the force of a deploying airbag could cause death or serious injury to the child.**

▶**Do not put a rear-facing child restraint system on the second (or third) seat if it interferes with the lock mechanism of the front (or second) seats. This may cause severe injury to the child and passenger sitting in front (or second) seats in case of sudden braking or a collision.**



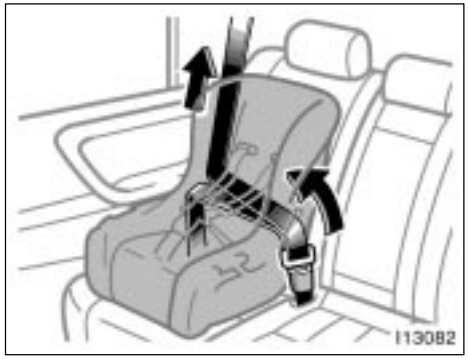
1. Run the lap and shoulder belt through or around the convertible seat following the instructions provided by its manufacturer and insert the tab into the buckle taking care not to twist the belt. Keep the lap portion of the belt tight.

⚠ CAUTION

- **After inserting the tab, make sure the tab and buckle are locked and that the lap and shoulder portions of the belt are not twisted.**
- **Do not insert coins, clips, etc. in the buckle as this may prevent you from properly latching the tab and buckle.**
- **If the seat belt does not function normally, it cannot protect your child from injury. Contact your Toyota dealer immediately. Do not use the seat until the seat belt is fixed.**

2. Fully extend the shoulder belt to put it in the lock mode. When the belt is then retracted even slightly, it cannot be extended.

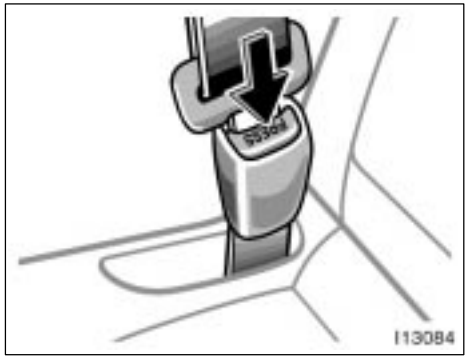
To hold the convertible seat securely, make sure the belt is in the lock mode before letting the belt retract.



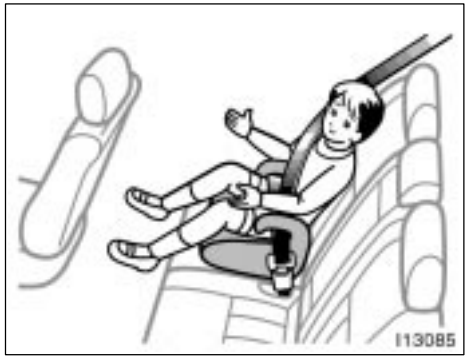
3. While pressing the convertible seat firmly against the seat cushion and seatback, let the shoulder belt retract as far as it will go to hold the convertible seat securely.

⚠ CAUTION

Push and pull the child restraint system in different directions to be sure it is secure. Follow all the installation instructions provided by its manufacturer.



4. To remove the convertible seat, press the buckle-release button and allow the belt to retract completely. The belt will move freely again and be ready to work for an adult or older child passenger.



(C) BOOSTER SEAT INSTALLATION

A booster seat is used in forward-facing position only.

Move seat fully back

⚠ CAUTION

A forward-facing child restraint system should be allowed to put on the front seat only when it is unavoidable. Always move the seat as far back as possible, because the force of a deploying airbag could cause death or serious injury to the child.

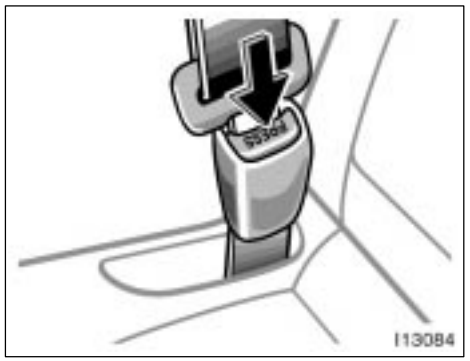
1. Sit the child on a booster seat. Run the lap and shoulder belt through or around the booster seat and child following the instructions provided by its manufacturer and insert the tab into the buckle taking care not to twist the belt.

Make sure the shoulder belt is correctly across the child's shoulder and that the lap belt is positioned as low as possible on child's hips. See "Seat belts" for details.

⚠ CAUTION

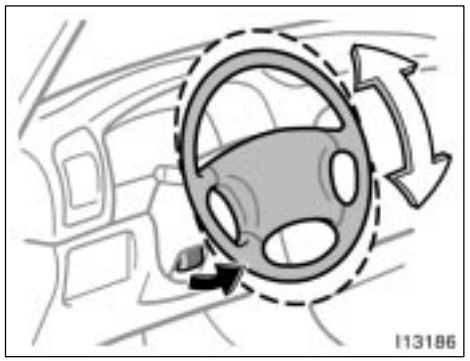
- **Always make sure the shoulder belt is positioned across the center of child's shoulder. The belt should be kept away from child's neck, but not falling off child's shoulder. Failure to do so could reduce the amount of protection in an accident and cause serious injuries in a collision.**
- **High-positioned lap belts and loose-fitting belts both could cause serious injuries due to sliding under the lap belt during a collision or other unintended result. Keep the lap belt positioned as low on hips as possible.**
- **For child's safety, do not place the shoulder belt under child's arm.**
- **After inserting the tab, make sure the tab and buckle are locked and that the lap and shoulder portions of the belt are not twisted.**
- **Do not insert coins, clips, etc. in the buckle as this may prevent you from properly latching the tab and buckle.**

▶If the seat belt does not function normally, it cannot protect your child from injury. Contact your Toyota dealer immediately. Do not use the seat until the seat belt is fixed.



2. To remove the child restraint system, press the buckle-release button and allow the belt to retract.

Manual tilt steering wheel



To change the steering wheel angle, hold the steering wheel, pull up the lock release lever, tilt the steering wheel to the desired angle and release the lever.

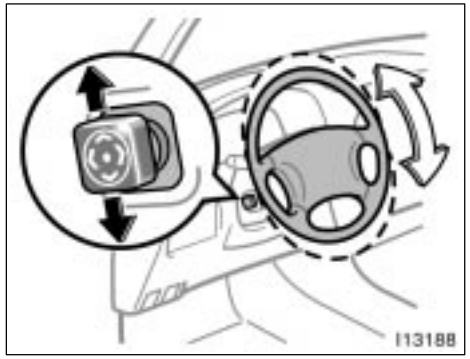
When the steering wheel is in a low position, it will spring up as you release the lock release lever.

⚠ CAUTION

▶Do not adjust the steering wheel while the vehicle is moving.

▶After adjusting the steering wheel, try moving it up and down to make sure it is locked in position.

Power tilt and telescopic steering wheel

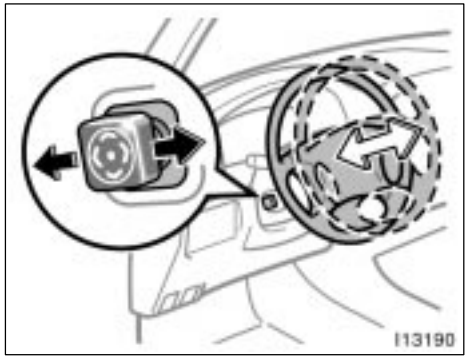


ADJUSTMENT OF STEERING WHEEL TILT

To adjust the tilt of the steering wheel, push the control switch upward or downward to set it to the desired position.

⚠ CAUTION

Do not adjust the steering wheel while the vehicle is moving.



ADJUSTMENT OF TELESCOPIC STEERING COLUMN

To adjust the steering column length, push the control switch forward or backward to set the steering wheel to the desired position.

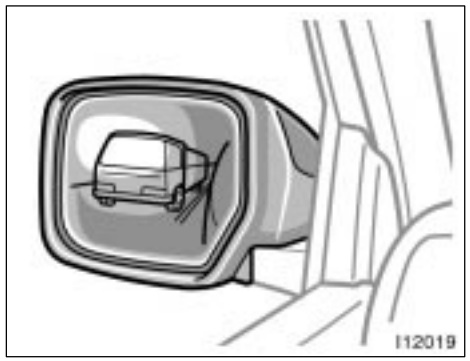
When the ignition key is removed, the steering column moves forward away from the driver and also tilts up for easy exit and entry.

When the key is inserted into the ignition switch, the steering column returns to the previously set position.

⚠ CAUTION

Do not adjust the steering column while the vehicle is moving.

Outside rear view mirrors—



Adjust the mirror so that you can just see the side of your vehicle in the mirror.

Be careful when judging the size or distance of any object seen in the outside rear view mirror on the passenger's side. It is a convex mirror with a curved surface. Any object seen in a convex mirror will look smaller and farther away than when seen in a flat mirror.

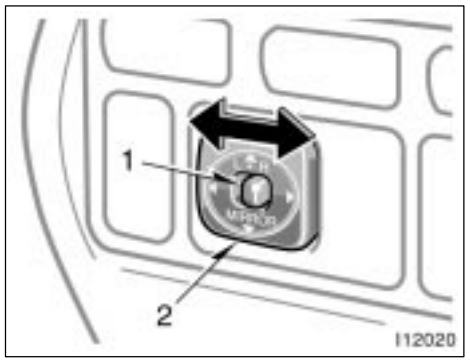
When you push the outside rear view mirror heater switch, the heater panels in the outside rear view mirrors will quickly clear the mirror surface.

⚠ CAUTION

▶Do not adjust the mirror while the vehicle is moving. It may cause the driver to mishandle the vehicle and an accident may occur resulting in personal injuries.

▶Since the mirror surfaces can get hot, keep your hands off them when the mirror heater switch is on.

—Power rear view mirror control



To adjust a mirror, use the switches.

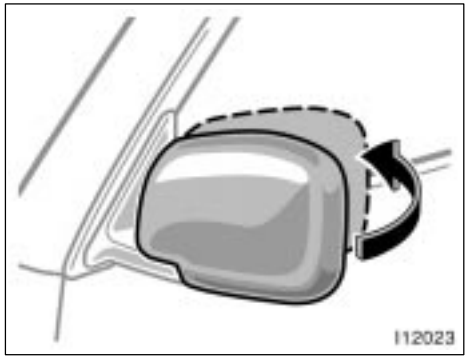
1. Master switch—To select the mirror to be adjusted
   Place the switch at "L" (left) or "R" (right).
2. Control switch—To move the mirror
   Push the switch in the desired direction.

Mirror can be adjusted when key is in the "ACC" or "ON" position.

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.

—Folding rear view mirrors



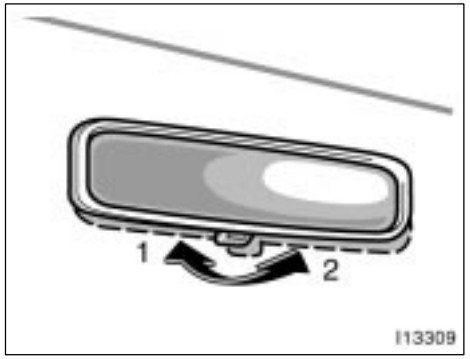
To fold the rear view mirror, push backward.

The rear view mirrors can be folded backward for parking in restricted areas.

⚠ CAUTION

Do not drive with the mirrors folded backward. Both the driver and passenger side rear view mirrors must be extended and properly adjusted before driving.

Anti-glare inside rear view mirror



Adjust the mirror so that you can just see the rear of your vehicle in the mirror.

To reduce glare from the headlights of the vehicle behind you during night driving, operate the lever on the lower edge of the mirror.

Daylight driving—Lever at position 1

The reflection in the mirror has greater clarity at this position.

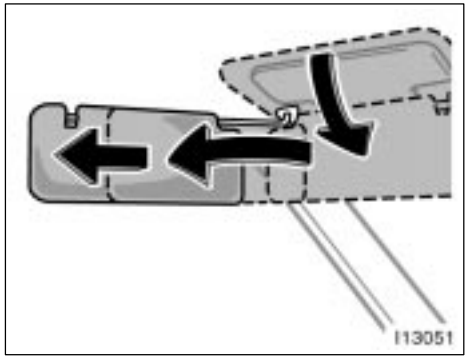
Night driving—Lever at position 2

Remember that by reducing glare you also lose some rear view clarity.

⚠ CAUTION

Do not adjust the mirror while the vehicle is moving. It may cause the driver to mishandle the vehicle and an accident may occur resulting in personal injuries.

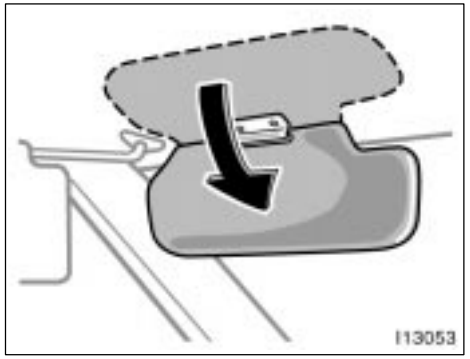
Sun visors—



To block out glare, move the sun visor.

To block out glare from the front—Swing down the main sun visor

To block out glare from the side—Swing down the main sun visor, remove it from the hook and swing it to the lateral side. You can adjust its position as shown.

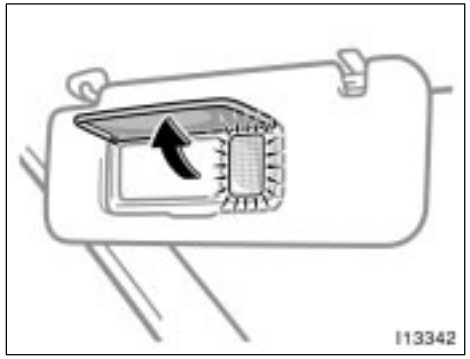


To block the glare from the front when the main sun visor is swung down, swing down the second sun visor

⚠ CAUTION

Do not slide the main sun visor when the visor is not swung down. It can cover the anti-glare inside rear view mirror and obstruct the rear view.

—Vanity mirror



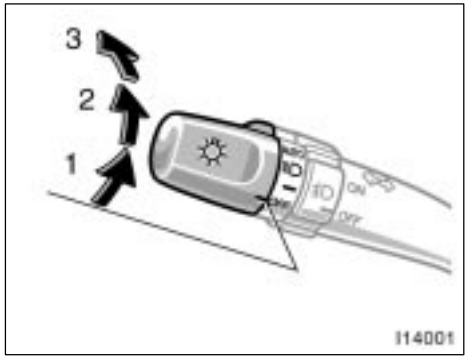
To use the vanity mirror, swing down the sun visor and open the cover.

The vanity light comes on when you open the cover.

Part 1
OPERATION OF INSTRUMENTS AND CONTROLS—

Chapter 1- 4
Lights, Wipers and Defogger

Headlight and turn signals



HEADLIGHTS

To turn on the following lights: Twist the headlight/turn signal lever knob.

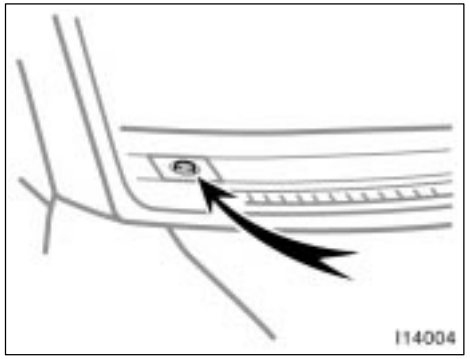
Position 1—Parking, tail, license plate, side marker and instrument panel lights

Position 2—Headlights and all of the above

Position 3 (”AUTO”)—Headlights and/or all of the above

They automatically turn on or off depending on the darkness of the surroundings.

Manually twist the knob to the position 2 to turn on the headlights if they are needed immediately when entering a dark tunnel, parking structure, etc.



The automatic light control sensor is on the top of the passenger’s side instrument panel.

Do not place anything on the instrument panel, and/or do not affix anything on the windshield to block this sensor.

If you feel that the automatic light control comes into operation too early or too late, have the sensor adjusted by your Toyota dealer.

The tail lights automatically turn off when the driver's door is opened with the ignition key in the "ACC" or "LOCK" position. To turn them on again, turn the key to the "ON" position or actuate the headlight switch. If you are going to park for over one week, make sure the headlight switch is off.

The headlights automatically turn off after some time since the ignition switch is turned off, then any side door is opened. To turn them on again, turn the key to the "ON" position or actuate the headlight switch. If you are going to park for over one week, make sure the headlight switch is off.

NOTICE

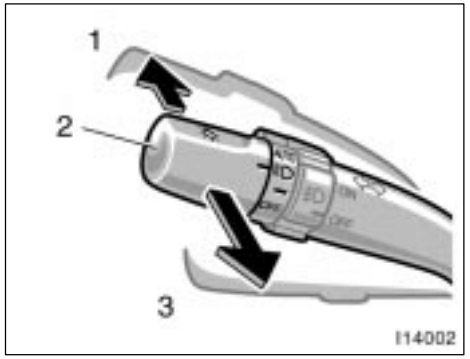
To prevent the battery from being discharged, do not leave the lights on for a long period when the engine is not running.

Daytime running light system

The headlights turn on at reduced intensity when the parking brake is released with the engine started, even with the light switch in the "OFF" position. They will not go off until the ignition switch is turned off.

To turn on the other exterior lights and instrument panel lights, twist the knob to the position 1.

Twist the knob to the position 2 to turn the headlights to full intensity for driving at night.

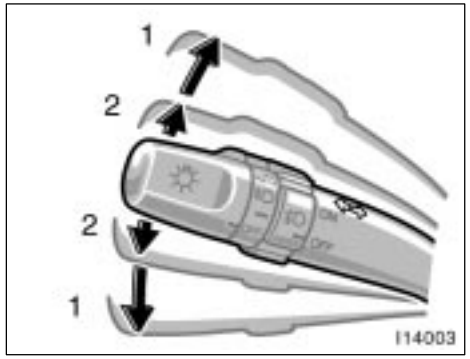


High- Low beams—For high beams, turn the headlights on and push the lever away from you (position 1). Pull the lever toward you (position 2) for low beams.

The headlight high beam indicator light (blue light) on the instrument panel will tell you that the high beams are on.

Flashing the high beam headlights (position 3)—Pull the lever all the way back. The high beam headlights turn off when you release the lever.

You can flash the high beam headlights with the knob turned to "OFF".



TURN SIGNALS

To signal a turn, push the headlight/ turn signal lever up or down to position 1.

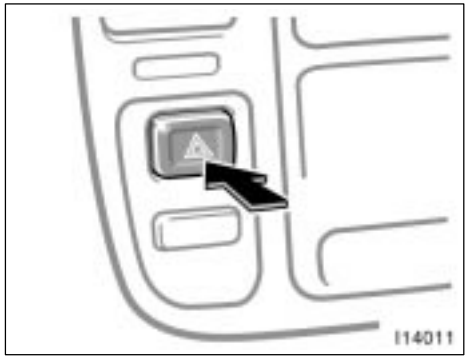
The key must be in the ”ON” position.

The lever automatically returns after you make a turn, but you may have to return it by hand after you change lanes.

To signal a lane change, move the lever up or down to the pressure point (position 2) and hold it.

If the turn signal indicator lights (green lights) on the instrument panel flash faster than normal, a front or rear turn signal bulb is burned out.

Emergency flashers



To turn on the emergency flashers, push the switch.

All the turn signal lights will flash. To turn them off, push the switch once again.

Turn on the emergency flashers to warn other drivers if your vehicle must be stopped where it might be a traffic hazard.

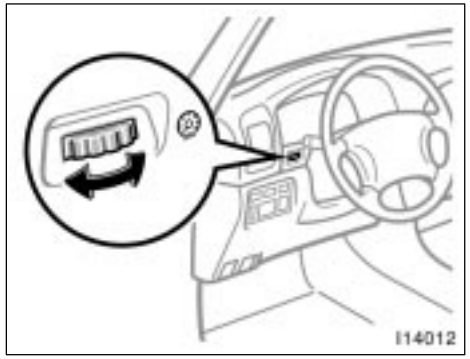
Always pull your vehicle as far off the road as possible.

The turn signal light switch will not work when the emergency flashers are operating.

NOTICE

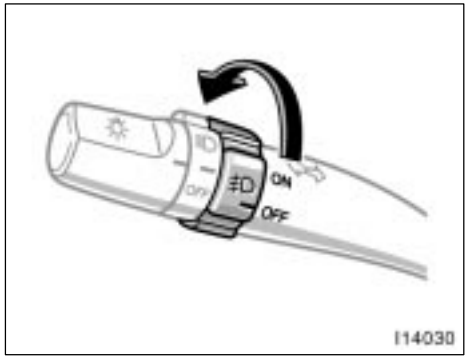
To prevent the battery from being discharged, do not leave the switch on longer than necessary when the engine is not running.

Instrument panel light control



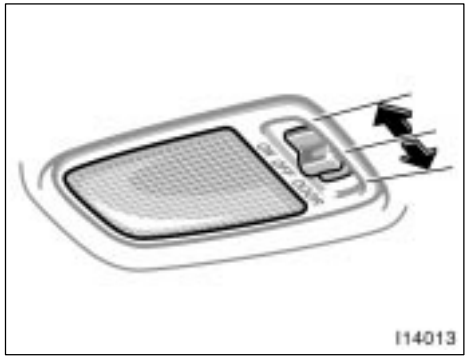
To adjust the brightness of the instrument panel lights, turn the dial.

Front fog lights

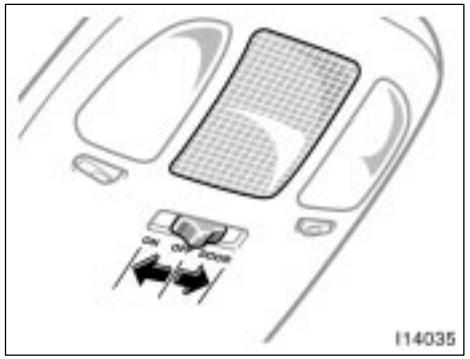


To turn on the front fog lights, twist the band of the headlight and turn signal switch lever. They will come on when the tail lights are turned on.

Interior lights



Type A



Type B

To turn on the interior light, slide the switch.

The interior light switch has the following positions:

"ON"—Keeps the light on all the time.

"OFF"—Turns the light off.

"DOOR"—

—Center: Turn the light on when any of side doors and back door are opened.

—Rear: Turn the light on when any of the rear side doors and back door are opened.

ILLUMINATED ENTRY SYSTEM

Center—
With the switch in the "DOOR" position, the light comes on when either side or back door is opened. After all the doors are closed, the light remains on for a certain time and then goes out.

However, in the following cases, the light goes out immediately:

- All the doors are closed when the ignition key is in "ACC", "ON" or "START" position.
- The ignition key is turned to "ACC", "ON" or "START" when the light is still on.
- All the doors are locked when the light is still on.
- One front side door will be closed with the lock knob pushed forward while the other doors are locked.

INTERIOR LIGHTS CUT OFF OPERATION

When the ignition switch is "OFF" and any interior lights in the vehicle stay lighting on, the lights will cut off automatically after 30 minutes.

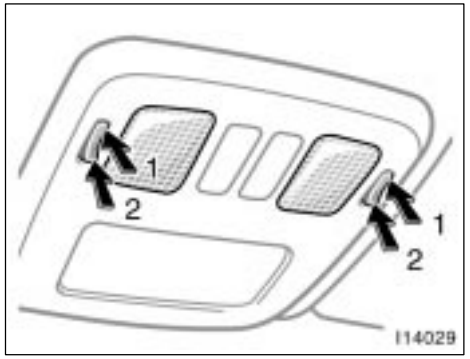
You can cancel the cut off operation by:

- Turning the key to the "ACC" position.
- Opening or closing any of side doors and back door
- Turning off all the "ON" lights.

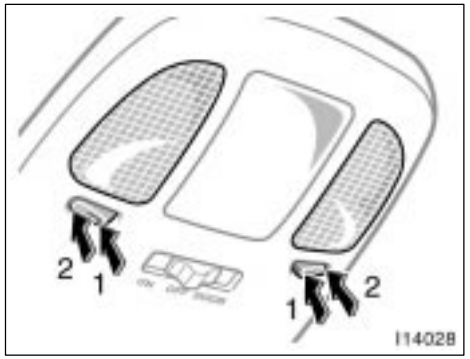
All the lights are cut off when all the doors are locked by key or wireless remote control transmitter.

The key must be in the "OFF" position.

Personal lights



Front



Center

To turn on the personal light, push the switch on 1 side. To turn the lights off, push the switch on 2 side.

PERSONAL LIGHTS CUT OFF OPERATION

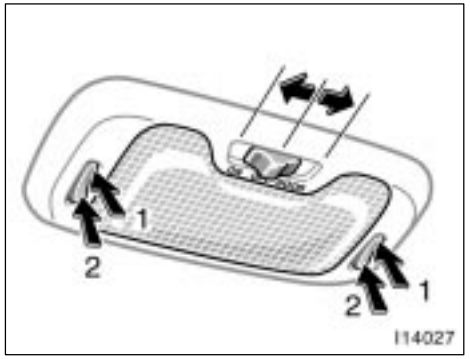
When the ignition switch is “OFF” and any personal lights in the vehicle stay lighting on, the lights will cut off automatically after 30 minutes.

You can cancel the cut off operation by:

- Turning the key to the “ACC” position.
- Turning off all the “ON” lights.

The key must be in the “OFF” position.

Center interior and personal lights



CENTER INTERIOR LIGHT

To turn on the interior light, slide the switch.

The interior light switch has the following positions:

“ON”—Keeps the light on all the time.

“OFF”—Turns the light off.

“DOOR”—Turns the light on when any of the side doors and back door are opened. The light remains on when all the side doors and back door are closed.

CENTER PERSONAL LIGHTS

To turn on the center personal light, push the switch on 1 side. To turn the lights off, push the switch on 2 side.

ILLUMINATED ENTRY SYSTEM

With the switch in the “DOOR” position, the light comes on when either side or back door is opened. After all the doors are closed, the light remains on for a certain time and then goes out.

However, in the following cases, the light goes out immediately:

- All the doors are closed when the ignition key is in “ACC”, “ON” or “START” position.
- The ignition key is turned to “ACC”, “ON” or “START” when the light is still on.
- All the doors are locked when the light is still on.
- One front side door will be closed with the lock knob pushed forward while the other doors are locked.

INTERIOR AND PERSONAL LIGHTS CUT OFF OPERATION

When the ignition switch is “OFF” and any interior lights in the vehicle stay lighting on, the lights will cut off automatically after 30 minutes.

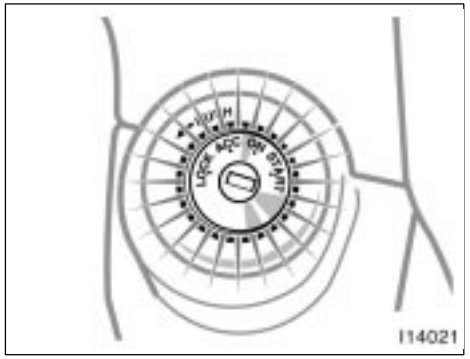
You can cancel the cut off operation by:

- ▶Turning the key to the “ACC” position.
- ▶Opening or closing any of side doors and back door
- ▶Turning off all the “ON” lights.

All the lights are cut off when all the doors are locked by key or wireless remote control transmitter.

The key must be in the “OFF” position.

Ignition switch light

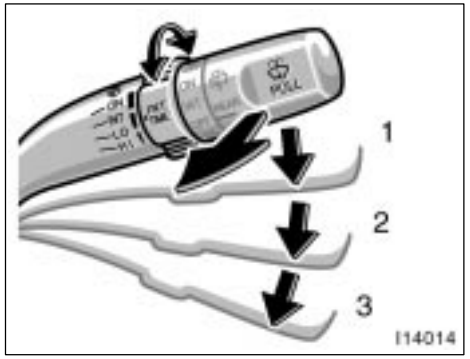


For easy access to the ignition switch, the ignition switch light comes on when the driver’s door is opened.

The light remains on for a certain time after the driver’s door is closed.

It goes off immediately when the ignition switch is turned to the ”ACC” position or when all the side doors and back door are locked.

Windshield wipers and washer



To turn on the windshield wipers, move the lever to the desired setting.

The key must be in the ”ON” position.

Lever position	Speed setting
Position 1	Intermittent
Position 2	Slow
Position 3	Fast

The ”INT TIME” band lets you adjust the wiping time interval when the wiper lever is in the intermittent position (position 1). Twist the band upward to increase the time between sweeps, and downward to decrease it.

To squirt washer fluid, pull the lever toward you.

If the windshield wipers are off, they will operate a couple of times after the washer squirts.

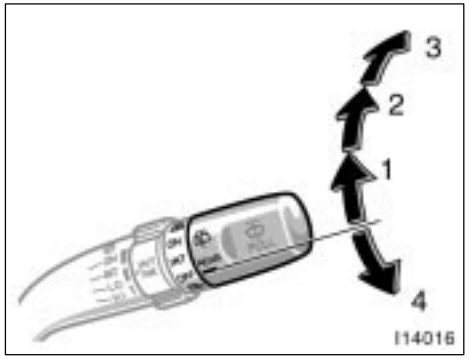
For instructions on adding washer fluid, see ”Adding washer fluid” in Chapter 7-3.

In freezing weather, warm the windshield with the defroster before using the washer. This will help prevent the washer fluid from freezing on your windshield, which can block your vision.

NOTICE

Do not operate the wipers if the windshield is dry. It may scratch the glass.

Rear window wiper and washer



To turn on the rear window wiper, twist the lever knob upward.

The key must be in the ”ON” position.

Lever position	Speed setting
Position 1	Intermittent
Position 2	normal

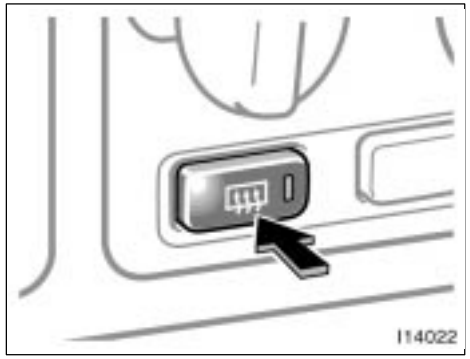
To squirt washer fluid on the rear window, twist the knob upward or downward as far as it will go (position 3 or 4). The knob automatically returns from these positions after you release it.

For instructions on adding washer fluid, see ”Adding washer fluid” in Chapter 7-3.

NOTICE

Do not operate the rear wiper if the rear window is dry. It may scratch the glass.

Rear window defogger



To defog or defrost the back window, push the switch.

The key must be in the ”ON” position.

The thin heater wires on the inside of the back window will quickly clear the surface. An indicator light will illuminate to indicate the defogger is operating.

Push the switch once again to turn the defogger off.

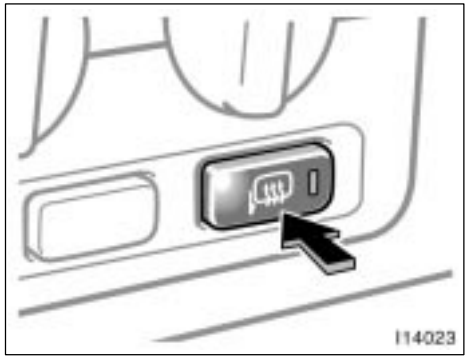
The system will automatically shut off after the defogger has operated about 15 minutes.

Make sure you turn the defoggers off when the surfaces are clear. Leaving the defoggers on for a long time could cause the battery to discharge, especially during stop-and-go driving. The defoggers are not designed for drying rain water or for melting snow.

NOTICE

When cleaning the inside of the rear window, be careful not to scratch or damage the heater wires.

Outside rear view mirror heaters



To defog or defrost the outside rear view mirrors, push the switch.

The key must be in the ”ON” position.

The heater panels in the outside rear view mirrors will also quickly clear the surfaces. An indicator light will illuminate to indicate the mirror heaters are operating.

Push the switch once again to turn the defoggers off.

The system will automatically shut off after the mirror heaters have operated about 15 minutes.

⚠ CAUTION

Since the mirror surfaces can get hot, keep your hands off them when the mirror heaters switch is on.

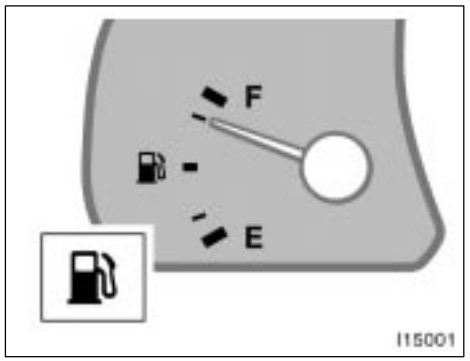
Make sure you turn the mirror heaters off when the surfaces are clear. Leaving the mirror heaters on for a long time could cause the battery to discharge, especially during stop-and-go driving. The mirror heaters are not designed for drying rain water or for melting snow.

If the outside rear view mirrors are heavily coated with ice, use a spray de-icer before operating the switch.

Part 1
OPERATION OF INSTRUMENTS AND CONTROLS—

Chapter 1- 5
Gauges, Meters and Service reminder indicators

Fuel gauge



The gauge works when the ignition switch is on and indicates the approximate quantity of fuel remaining in the tank.

Nearly full—Needle at "F"
Nearly empty—Needle at "E"

It is a good idea to keep the tank over 1/4 full.

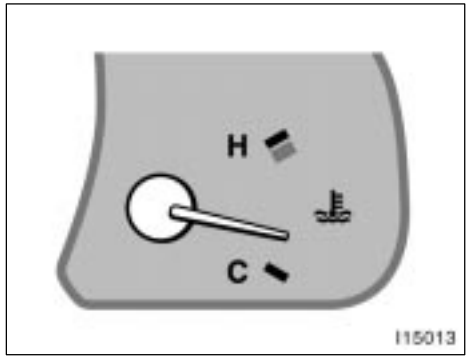
The needle moves when braking, accelerating or making turns. This is caused by the movement of the fuel in the tank.

If the fuel level approaches "E" or the low fuel level warning light comes on, fill the fuel tank as soon as possible.

If the fuel tank is completely empty, the malfunction indicator lamp comes on. Fill the fuel tank immediately.

The indicator lamp goes off after driving several times. If the indicator lamp does not go off, contact your Toyota dealer as soon as possible.

Engine coolant temperature gauge



The gauge indicates the engine coolant temperature when the ignition switch is on. The engine operating temperature will vary with changes in weather and engine load.

If the needle points to the red zone or higher, stop your vehicle and allow the engine to cool.

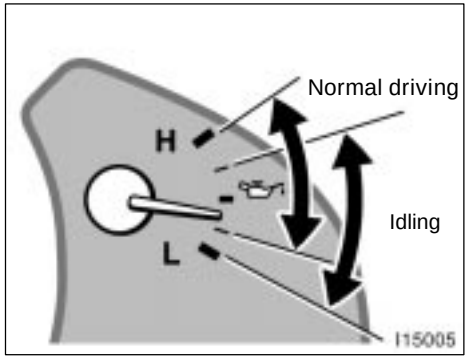
Your vehicle may overheat during severe operating conditions, such as:

- ▶Driving up a long hill on a hot day.
- ▶Reducing speed or stopping after high speed driving.
- ▶Idling for a long period with the air conditioning on in stop-and-go traffic.
- ▶Towing a trailer.

NOTICE

- ◆***Do not remove the thermostat in the engine cooling system as this may cause the engine to overheat. The thermostat is designed to control the flow of coolant to keep the temperature of the engine within the specified operating range.***
- ◆***Do not continue driving with an overheated engine. See "If your vehicle overheats" in Part 4.***

Oil pressure gauge



The oil pressure gauge indicates engine oil pressure when the ignition switch is on. Check it while driving to make sure that the needle is in the proper range.

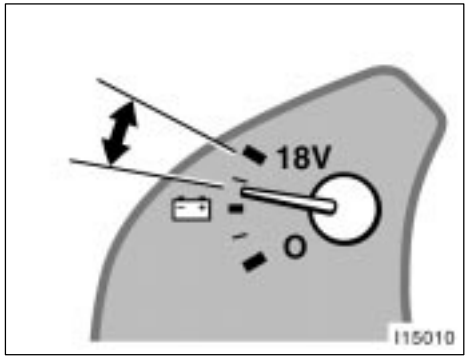
If the oil pressure should stay below the normal range, pull off the road to a safe place and stop the engine immediately. Call a Toyota dealer or qualified repair shop for assistance.

Oil pressure may not build up when the oil level is too low. The oil pressure gauge is not designed to indicate oil level, and the oil level must be checked using the level dipstick.

NOTICE

Do not drive the vehicle with the oil pressure below the normal range until the cause is fixed–it may ruin the engine.

Voltmeter

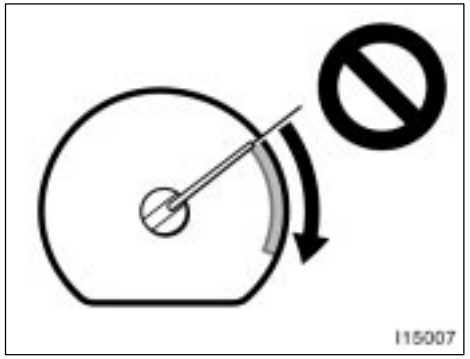


The voltmeter tells whether the battery is charged or discharged. Check it while the engine is running–the needle should always indicate as shown above.

If the needle reads below or above the normal range while the engine is running, it indicates the charging system needs immediate repair.

However, it is normal for the needle to drop below the normal range during engine starting.

Tachometer



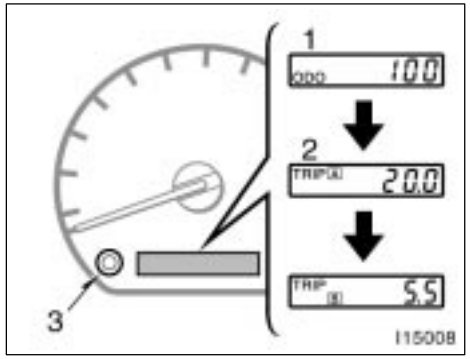
The tachometer indicates engine speed in thousands of rpm (revolutions per minute). Use it while driving to select correct shift points and to prevent engine lugging and overrevving.

Driving with the engine running too fast causes excessive engine wear and poor fuel economy. Remember, in most cases the slower the engine speed, the greater the fuel economy.

NOTICE

Do not let the indicator needle get into the red zone. This may cause severe engine damage.

Odometer and two trip meters



This meter displays the odometer and two trip meters.

1. Odometer—It shows the total distance the vehicle has been driven.
2. Two trip meters—They show two different distances independently driven since the last time each trip meter was set to zero.

   You can use one trip meter to calculate the fuel economy and the other to measure the distance on each trip. All trip meter data is cancelled if the electrical power source is disconnected.
3. Trip meter reset knob—It can reset the two trip meters to zero, and also change the meter display.

To change the meter display, quickly push and release the knob. The meter display changes in the order from the odometer to trip meter A to trip meter B, then back to the odometer each time you push.

To reset the trip meter A to zero, display the meter A reading, then push and hold the knob until the meter is set to zero. The same process can be applied for resetting the trip meter B.

Service reminder indicators and warning buzzers

If the indicator or buzzer comes on...	Do this.
(a) BRAKE (Indicator and buzzer)	If parking brake is off, stop and check.
(b) (Indicator and buzzer)	Fasten seat belts.
(c) PASSENGER	Fasten front pssenger's seat belts.
(d)	Stop and check.
(e) CHECK	Take vehicle to Toyota dealer.
(f)	Fill up tank.
(g) ABS	Take vehicle to Toyota dealer.

10302

If the indicator or buzzer comes on...		Do this.
(h)		Close all side doors and back door.
(i)	A/T P	Shift four-wheel drive control out of "N".
(j)	A/T OIL TEMP	Stop and check.
(k)		Take vehicle to Toyota dealer immediately.
(l)	Key reminder buzzer	Remove key.

10302

(a) Brake System Warning Light and Buzzer

This light has the following functions:

Parking brake reminder

If this light is on, make sure the parking brake is fully released. The light should go off.

Low brake fluid level warning

If this light comes on and stays on while you are driving, slow down and pull off the road. Then stop the vehicle carefully. Remember that stopping distance and pedal effort may be increased. There may be a problem somewhere in the brake system. Check the fluid level of the see-through reservoir.

To make sure the parking brake has not caused the warning light to come on, check to see that the parking brake is fully released.

If the brake fluid level is low...

At a safe place, test your brakes by starting and stopping.

▶If you judge that the brakes still work adequately, drive cautiously to your nearest dealer or shop for repairs.

▶If the brakes are not working, have the vehicle towed in for repairs. (For towing information, see Part 4.)

⚠ CAUTION

It is dangerous to continue driving normally when the brake fluid level is low.

If the brake fluid level is correct...

Have the warning system checked by your Toyota dealer.

Brake system failure warning

The light may stay on for about 60 seconds after the engine is started. It is normal if it goes out after a while.

If the brake system warning light stays on even with the parking brake being released, the brake system may fail. Contact your Toyota dealer.

If the hydraulic boost pressure is lowered, the warning light comes on and buzzer sounds continuously. Immediately stop your vehicle at a safe place and contact your Toyota dealer. In this case, the brakes may not work properly. if they do not work well, depress the brake pedal firmly.

Depressing the brake pedal repeatedly may turn on the warning light and buzzer. It is normal if the light goes out and the buzzer stops sounding after a few seconds.

⚠ CAUTION

Continued driving with an inoperative brake booster is dangerous.

(b) Driver's Seat Belt Reminder Light and Buzzer

Once the ignition key is turned to "ON" or "START", the reminder light flashes and the buzzer comes on if the driver's seat belt is not fastened. Unless the driver fastens the belt, the light keeps on flashing and the buzzer sounds 4 to 8 seconds.

(c) Front Passenger's Seat Belt Reminder Light

Once the ignition key is turned to "ON" or "START", the reminder light flashes if a passenger sits in the front passenger seat and does not fasten the seat belt. Unless the front passenger fastens the belt, the light stays flashing.

If luggage load is placed on the front passenger seat, depending on its weight and how it is placed on the seat, built-in sensors in the seat cushion may detect the pressure, causing the reminder light to come on.

(d) Discharge Warning Light

This light warns that the battery is being discharged.

If it comes on while you are driving, there is a problem somewhere in the charging system.

The engine ignition will continue to operate, however, until the battery is discharged. Turn off the air conditioning, blower, radio, etc., and drive directly to the nearest Toyota dealer or repair shop.

NOTICE

Do not continue driving if the engine drive belt is broken or loose.

(e) Malfunction Indicator Lamp

This lamp comes on in the following cases.

a. The fuel tank is completely empty. (See "Fuel gauge" in Chapter 1-5 for instructions.)

b. The fuel tank cap is not tightened securely. (See "Fuel tank cap" in Chapter 1-2 for instructions.)

c. There is a problem somewhere in your engine electrical system, automatic transmission electrical system or electronic throttle control system.

If it comes on while you are driving in case c, have your vehicle checked/repaired by your Toyota dealer as soon as possible.

(f) Low Fuel Level Warning Light

This light comes on when the fuel level in the tank becomes nearly empty. Fill up the tank as soon as possible.

(g) "ABS" Warning Light

This light warns that there is a problem somewhere in your anti-lock brake system.

If it comes on while you are driving, have your vehicle checked by your Toyota dealer as soon as possible. However, it is normal if the light goes out.

The light will come on when the ignition key is turned to the "ON" position. After a few seconds, the light will go off. There may be the case that the "ABS" warning light stays on for about 60 seconds after the engine is started. It is normal if it goes out after a while.

Depressing the brake pedal repeatedly may turn on the light. It is normal if it goes off after about a few seconds.

When the "ABS" warning light is on (and the brake system warning light is off), the brake system operates conventionally but anti-lock brake system is not assisting brake performance so that the wheels can lock-up during sudden braking or braking on slippery road surfaces.

However, the anti-lock brake system does not operate when the rear differential is locked. It is normal operation for the "ABS" warning light to be on at this time.

⚠ CAUTION

While the "ABS" warning light is on, if either of the following conditions occurs, immediately stop your vehicle at a safe place and contact your Toyota dealer.

- **The brake system warning light stays on even with the parking brake being released.**
- **The brake system warning light and buzzer come on.**

In either case, the brakes may not work properly. If they do not work well, depress the brake pedal firmly.

(h) Open Door Warning Light

This light remains on until all the side doors and back door are completely closed.

(i) Unengaged "Park" Warning Light

This light warns that the transmission "Park" mechanism is not engaged. If the four-wheel drive control is in the "N" position while the selector lever is in the "P" position, the transmission will disengage and the wheels will not lock.

⚠ CAUTION

To restore the park function, shift the four-wheel drive control out of "N", or the vehicle can move.

(j) Automatic Transmission Fluid Temperature Warning Light

This light warns that the automatic transmission fluid temperature is too high.

If this light comes on while you are driving, slow down and pull off the road. Stop the vehicle at a safe place and put the selector lever in "P" and leave the engine idling until the light goes off. If the light goes off, you can start the vehicle again. If the light does not go off, call a Toyota dealer or qualified repair shop for assistance.

NOTICE

Continued driving with the warning light on may damage the automatic transmission.

(k) SRS Airbag Warning Light

This light will come on when the ignition key is turned to the "ACC" or "ON" position. After about 6 seconds seconds, the light will go off. This means the system of the airbag and front seat belt pretensioners are operating properly.

The warning light system monitors the airbag sensor assembly, seat belt pretensioner assembly, inflators, warning light, interconnecting wiring, power sources.

If either of the following conditions occurs, this indicates a malfunction somewhere in the parts monitored by the warning light system. Contact your Toyota dealer as soon as possible to service the vehicle.

- The light does not come on when the ignition key is turned to the "ACC" or "ON" position or remains on.
- The light comes on or flashes while driving.

(l) Key Reminder Buzzer

This buzzer reminds you to remove the key when you open the driver's door with the ignition key in the "ACC" or "LOCK" position.

CHECKING SERVICE REMINDER INDICATORS (except the low fuel level warning light)

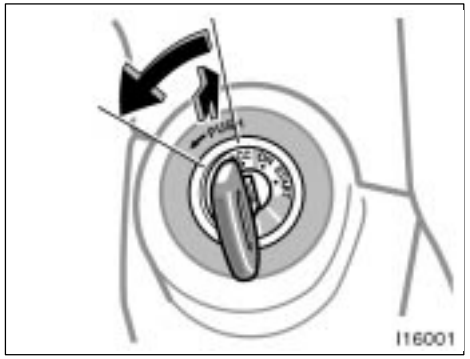
1. Apply the parking brake.
2. Open one of the side doors or back door.
   The open door warning light should come on.
3. Close the door.
   The open door warning light should go off.
4. Place the four- wheel drive control lever in
   "N" position and the selector lever in "P" position.
5. Turn the ignition key to "ACC".
   The SRS airbag warning light should come on. It goes off after 6 seconds.
6. Turn the ignition key to "ON", but do not start the engine.
   All the service reminder indicators except the open door warning light and SRS airbag warning light should come on. The "ABS" warning light may come on for about 60 seconds after the engine is started. It is normal if it goes out after a while.

If any service reminder indicator or warning buzzer does not function as described above, either the bulb is burned out or the circuit is in need of repair. Have it checked by your Toyota dealer as soon as possible.

Part 1
OPERATION OF INSTRUMENTS AND CONTROLS—

Chapter 1–6
Ignition switch, Transmission and Parking brake

Ignition switch with steering lock



”START”—Starter motor on. The key will return to the ”ON” position when released.

For starting tips, see Part 3.

”ON”—Engine on and all accessories on.

This is the normal driving position.

”ACC”—Accessories such as the radio operate, but the engine is off.

If you leave the key in the ”ACC” or ”LOCK” position and open the driver’s door, a buzzer will remind you to remove the key.

”LOCK”—Engine is off and the steering wheel is locked. The key can be removed only at this position.

To turn the key from ”ACC” to the ”LOCK” position, you must put the selector lever in the ”P” position.

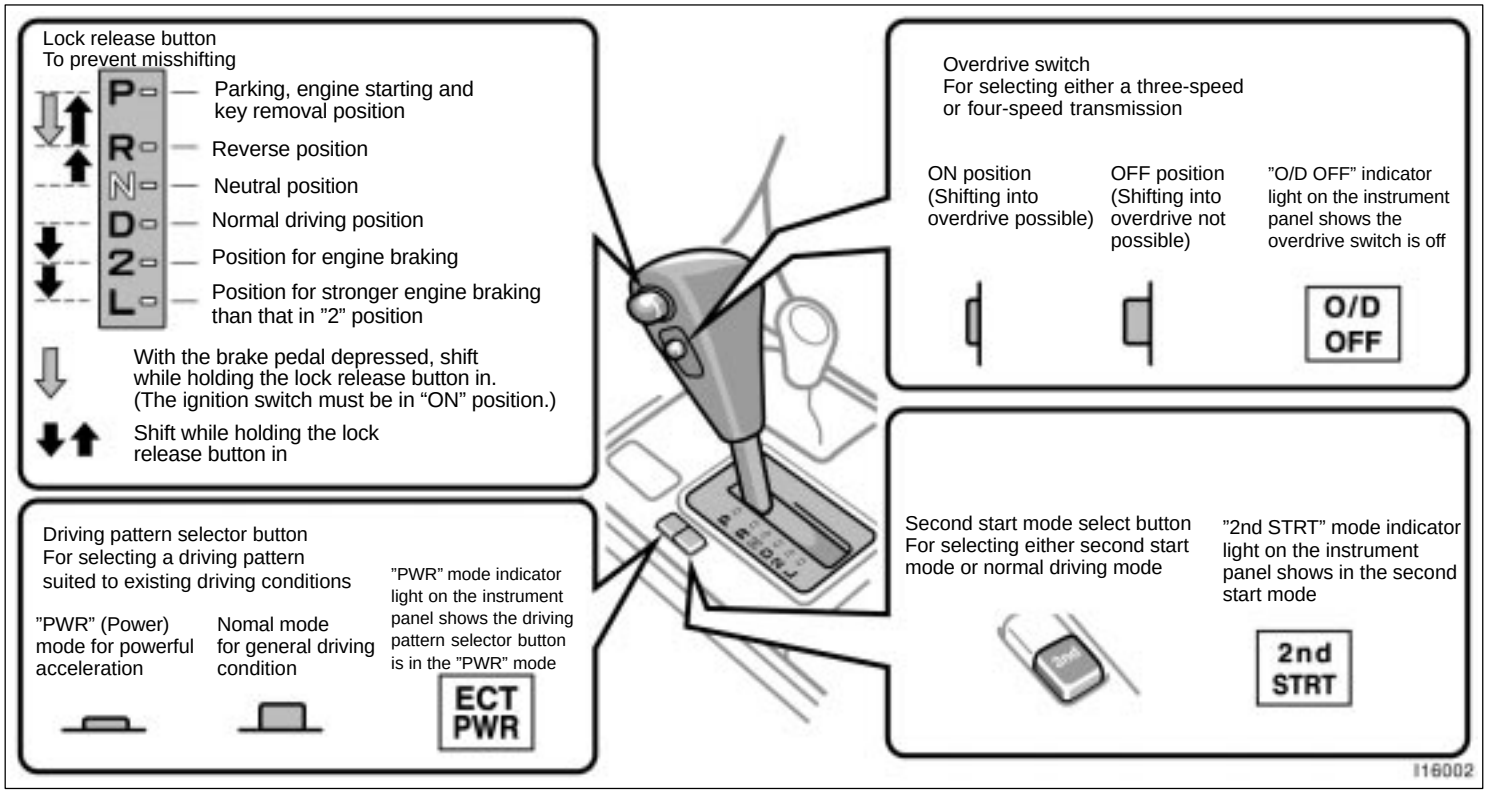
Once you remove the key, the engine immobiliser system is automatically set. (See ”Engine immobiliser system” in Chapter 1–2.)

When starting the engine, the key may seem stuck at the ”LOCK” position. To free it, first be sure the key is pushed all the way in, and then rock the steering wheel slightly while turning the key gently.

NOTICE

Do not leave the key in the ”ON” position if the engine is not running. The battery will discharge and the ignition could be damaged.

Automatic transmission



When the cruise control is being used, even if you downshift the transmission, by turning off the overdrive switch, engine braking will not be applied because the cruise control is not cancelled. For ways to decrease the vehicle speed, see ”Cruise control” in this chapter.

Your automatic transmission has a shift lock system to minimize the possibility of incorrect operation. This means you can only shift out of "P" position when the brake pedal is depressed (with the ignition switch in "ON" position and the lock release button depressed).

(a) Normal driving

1. Start the engine as instructed in "How to start the engine" in Part 3. The transmission must be in "P" or "N".
2. With your foot holding down the brake pedal, shift the selector lever to "D".

In "D" position, the automatic transmission system will select the most suitable gear for running conditions such as normal cruising, hill climbing, hard towing, etc.

Always turn the overdrive switch on for better fuel economy and quieter driving. If the engine coolant temperature is low, the transmission will not shift into the overdrive gear even with the overdrive switch on.

⚠ CAUTION

Never put your foot on the accelerator pedal while shifting.

3. Release the parking brake and brake pedal. Depress the accelerator pedal slowly for smooth starting.

(b) Using engine braking

To use engine braking, you can downshift the transmission as follows:

▶Turn off the overdrive switch. The "O/D OFF" indicator light will come on and the transmission will downshift to the third gear.

▶Shift into the "2" position. The transmission will downshift to the second gear when the vehicle speed drops down to or lower than following speed for second gear, and more powerful engine braking will be obtained.

Four–wheel drive control lever in "H".....112 km/h (70 mph)

Four–wheel drive control lever in "L"..... 39 km/h (24 mph)

▶Shift into the "L" position. The transmission will downshift to the first gear when the vehicle speed drops down to or lower than following speed for "L" position and maximum engine braking will be applied.

Four–wheel drive control lever in "H"..... 54 km/h (34 mph)

Four–wheel drive control lever in "L"..... 11 km/h (7 mph)

When the cruise control is being used, even if you downshift the transmission by turning off the overdrive switch, engine braking will not be applied because the cruise control is not cancelled.

For ways to decrease the vehicle speed, see "Cruise control" in this chapter.

⚠ CAUTION

Be careful when downshifting on a slippery surface. Abrupt shifting could cause the vehicle to spin or skid.

(c) Using "2" and "L" positions

The "2" and "L" positions are used for strong engine braking as described previously.

With the selector lever in "2" or "L", you can start the vehicle in motion as with the lever in "D".

With the selector lever in "2", the vehicle will start in the first gear and automatically shift to the second gear.

With the selector lever in "L", the transmission is engaged in the first gear.

NOTICE

- ***Be careful not to overrev the engine. Watch the tachometer to keep engine rpm from going into the red zone. The approximate maximum allowable speed for each position is given below for your reference:***

	km/h (mph)	
Transmission	***Transfer***	
	L	***H***
2	***44 (27)***	***110 (68)***
L	***24 (15)***	***60 (37)***

- ***Do not continue hill climbing or hard towing for a long time in the "2" or "L" position. This may cause severe automatic transmission damage from overheating. To prevent such damage, "D" position should be used in hill climbing or hard towing.***

(d) Backing up

1. Bring the vehicle to a complete stop.
2. With the brake pedal held down with your foot, shift the selector lever to the "R" position.

NOTICE

Never shift into reverse while the vehicle is moving.

(e) Parking

1. Bring the vehicle to a complete stop.
2. Pull the parking brake lever up fully to securely apply the parking brake.
3. With the brake pedal pressed down, shift the selector lever to the "P" position.

If the four–wheel drive control is in the "N" position while the selector lever is in the "P" position, the transmission will damage and the wheels will not lock.

⚠ CAUTION

While the vehicle is moving, never attempt to move the selector lever into "P" position under any circumstances. Serious mechanical damage and loss of vehicle control may result.

(f) Good driving practice

- If the transmission is repeatedly upshifted and downshifted between third gear and overdrive when climbing a gentle slope, the overdrive switch should be turned off. Be sure to turn the switch on immediately afterward.
- When towing a trailer, in order to maintain engine braking efficiency, do not use overdrive.

⚠ CAUTION

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

NOTICE

Do not hold the vehicle on an upgrade with the accelerator pedal. It can cause the transmission to overheat. Always use the brake pedal or parking brake.

(g) Rocking your vehicle if stuck

⚠ CAUTION

If your vehicle becomes stuck in snow, mud, sand, etc., then you may attempt to rock the vehicle free by moving it forward and backward. Do not attempt this procedure if people or objects are anywhere near the vehicle. During the rocking operation the vehicle may suddenly move forward or backward as it becomes unstuck, causing injury or damage to nearby people or objects.

NOTICE

If you rock your vehicle, observe the following precautions to prevent damage to the transmission and other parts.

- ***Do not depress the accelerator pedal while shifting the selector lever or before the transmission is completely shifted to forward or reverse gear.***
- ***Do not race the engine and avoid spinning the wheels.***
- ***If your vehicle remains stuck after rocking the vehicle several times, consider other ways such as towing.***

(h) Driving in "PWR" (Power) mode

In the "PWR" mode, the transmission is shifted up and down at a higher vehicle speed than in the Normal mode and a more powerful acceleration is achieved. To set the "PWR" mode, push in the driving pattern selector button. The "PWR" mode indicator light comes on.

For ordinary driving, Toyota recommends using the Normal mode to improve fuel economy.

(i) If you cannot shift the selector lever out of "P" position

If you cannot shift the selector lever from the "P" position even though the brake pedal is depressed, use the shift lock override button. For instructions, see "If you cannot shift automatic transmission selector lever" in Part 4.

(j) If the "O/D OFF" indicator light flashes

Contact your Toyota dealer as soon as possible. There may be trouble in the transmission system.

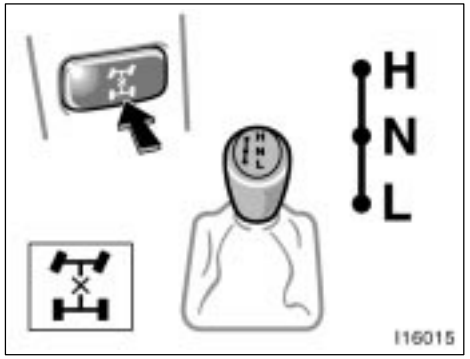
(k) Driving in "2nd STRT" (second start) mode

In the "2nd STRT" (Second start) mode, the transmission system shifts up from second gear. Use this mode when starting your vehicle in sand, mud, ice or snow.

To set the "2nd STRT" mode, push the "2nd" button. In the "2nd STRT" mode, the "2nd STRT" indicator light comes on.

The "PWR" mode is automatically cancelled when you push the "2nd" button.

Four-wheel drive system—
(a) Four-wheel drive control



Use the four-wheel drive control lever and center differential lock button to select the transfer and center differential modes.

The "H" position of the four-wheel drive control lever provides either lock or unlock mode of the center differential depending on the center differential lock button position.

"H" (high speed position, center differential unlocked): Lever at "H", center differential lock button left out

Use this for normal driving on all types of roads, from dry hard-surfaced roads to wet, icy or snow-covered roads. This position gives greater economy, quietest ride, least wear and better vehicle control.

"H" (high speed position, center differential locked): Lever at "H", center differential lock button pushed in

Use this for greater traction when you experience a loss of power, such as wheel slipping, in the center differential unlock mode.

"N" (neutral position): Lever at "N"

No power is delivered to the wheels. Use this position only for operating a winch or other equipment. The vehicle must be stopped.

"L" (low speed position, center differential locked): Lever at "L"

Use this for maximum power and traction. Use "L" for hard pulling in situations the vehicle cannot negotiate even in the "H" (lock) mode.

The indicator light tells when the differential lock is engaged. Note that the differential is not still locked as long as the indicator light remains off.

If the indicator light does not go off when you push out the center differential lock button, drive straight ahead while accelerating or decelerating, or drive in reverse.

See "(b) Shifting procedure" for further instructions.

(b) Shifting procedure

SHIFTING BETWEEN "H" (UNLOCK) AND "H" (LOCK)

To shift between unlock and lock modes in "H", push the center differential lock button.

SHIFTING BETWEEN "H" AND "L"

Stop the vehicle, put the transmission into "N" and move the four-wheel drive control lever.

⚠ CAUTION

Never move the four–wheel drive control lever if wheels are slipping. Stop the slipping or spinning before shifting.

Rear differential lock system

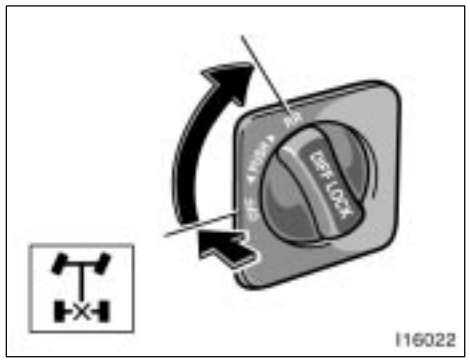
The rear differential lock system is provided for use only when wheel spinning occurs in a ditch or on a slippery or ragged surface.

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

First shift the four-wheel drive control into "L" with the center differential locked to see if you can move forward. If this does not work, use the rear differential lock system also.

⚠ CAUTION

Do not use the rear differential lock in the conditions other than above. Large steering effort and careful cornering control will be required.



To lock the rear differential, push and turn the switch clockwise until it clicks.

Be sure to stop the wheels before locking the differentials.

For easy locking, turn the lock switch and gently depress the accelerator pedal.

The indicator light will blink when the switch is turned on. Wait a few seconds for the system to complete operation. After the differential is locked, the light will stop blinking and remain on.

The anti–lock brake system does not operate when the rear differential is locked. It is normal operation for the ”ABS” warning light to be on at this time.

⚠ CAUTION

▶Do not lock the differentials until the wheels have stopped spinning. Otherwise, the vehicle may move in an unexpected direction when the differential locks are engaged, resulting in an accident. This may also lead to possible damage to differential lock component parts.

▶Do not drive over 8 km/h (5 mph) when the differentials are locked.

To unlock the differentials, turn the switch fully counterclockwise.

Unlock the differentials as soon as the vehicle moves out.

For easy unlocking, slightly turn the steering wheel in either direction while the vehicle is in motion.

When each of the differential locks is disengaged, the indicator light will go out.

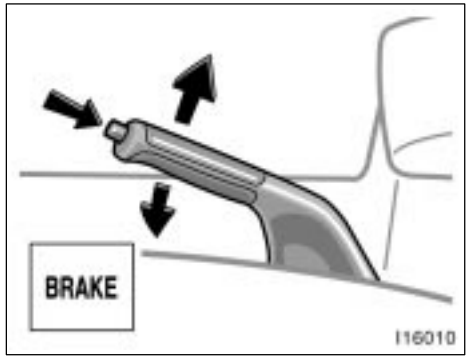
The differential will also unlock if you shift the four–wheel drive control lever to ”H”. Never forget to turn of the switch after using this feature.

To check the indicator bulb, turn the ignition key to the ”ON” position, but do not start the engine.

⚠ CAUTION

Do not keep driving with the differential lock switch on.

Parking brake



When parking, firmly apply the parking brake to avoid inadvertent creeping.

To set: Pull up the lever. For better holding power, first depress the brake pedal and hold it while setting the brake.
To release: Pull up the lever slightly, press the thumb button, and lower.

To remind you that the parking brake is set, the parking brake reminder light in the instrument panel remains on until you release the parking brake.

⚠ CAUTION

Before driving, be sure the parking brake is fully released and the parking brake reminder light is off.

Cruise control

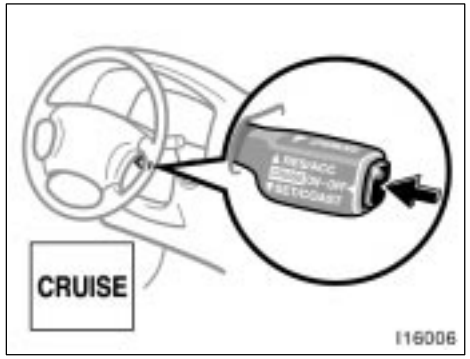
The cruise control allows you to cruise the vehicle at a desired speed over 40 km/h (25 mph) even with your foot off the accelerator pedal.

Your cruising speed can be maintained up or down grades within the limits of engine performance, although a slight speed change may occur when driving up or down the grades. On steeper hills, a greater speed change will occur so it is better to drive without the cruise control.

⚠ CAUTION

▶To help maintain maximum control of your vehicle, do not use the cruise control when driving in heavy or varying traffic, or on slippery (rainy, icy or snow–covered) or winding roads.

▶Avoid vehicle speed increases when driving downhill. If the vehicle speed is too fast in relation to the cruise control set speed, cancel the cruise control then downshift the transmission to use engine braking to slow down.

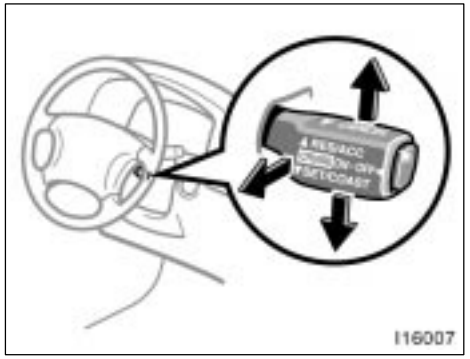


TURNING ON THE SYSTEM

To operate the cruise control, push the "CRUISE ON·OFF" switch. This turns the system on. The indicator light in the instrument panel shows that you can now set the vehicle at a desired cruising speed. Another push on the switch will turn the system completely off.

⚠ CAUTION

To avoid accidental cruise control engagement, keep the "CRUISE ON–OFF" switch off when not using the cruise control.



SETTING AT A DESIRED SPEED

The transmission must be in "D" before you set the cruise control speed.

Bring your vehicle to the desired speed, push the lever down in the "SET/COAST" direction and release it. This sets the vehicle at that speed.

If the speed is not satisfactory, tap the lever up for a faster speed, or tap it down for a slower speed. Each tap changes the set speed by 1.6 km/h (1.0 mph). You can now take your foot off the accelerator pedal.

If you need acceleration–for example, when passing–depress the accelerator pedal enough for the vehicle to exceed the set speed. When you release it, the vehicle will return to the speed set prior to the acceleration.

CANCELLING THE PRESET SPEED

You can cancel the preset speed by:

a. Pulling the control lever in the "CANCEL" direction and releasing it.

b. Depressing the brake pedal.

If the vehicle speed falls below about 40 km/h (25 mph), the preset speed will automatically cancel out.

If the vehicle speed drops 16 km/h (10 mph) below the preset speed, the preset speed will also automatically cancel out.

If the preset speed automatically cancels out other than for the above cases, have your vehicle checked by your Toyota dealer at the earliest opportunity.

RESETTING AT A FASTER SPEED

Push the lever up in the "RES/ACC" direction and hold it. Release the lever when the desired speed is attained. While the lever is held up, the vehicle will gradually gain speed.

However, a faster way to reset is to accelerate the vehicle and then push the control lever down in the "SET/COAST" direction.

RESETTING AT A SLOWER SPEED

Push the lever down in the "SET/COAST" direction and hold it. Release the lever when the desired speed is attained. While the lever is held down, the vehicle speed will gradually decrease.

However, a faster way to reset is to depress the brake pedal and then push the control lever down in the "SET/COAST" direction.

Even if you downshift the transmission by turning off the overdrive switch, with the cruise control on, engine braking will not be applied because the cruise control is not cancelled. To decrease the vehicle speed, reset to a slower speed with the cruise control lever or depress the brake pedal. If you use the brake pedal, cruise control is cancelled.

RESUMING THE PRESET SPEED

If the preset speed is cancelled by pulling the control lever or by depressing the brake pedal or clutch pedal, pushing the lever up in the "RES/ACC" direction will restore the speed set prior to cancellation.

However, once the vehicle speed falls below about 40 km/h (25 mph), the preset speed will not be resumed.

CRUISE CONTROL FAILURE WARNING

If the "CRUISE" indicator light in the instrument cluster flashes when using the cruise control, press the "CRUISE ON·OFF" button to turn the system off and then press it again to turn it on.

If any of the following conditions then occurs, there is some trouble in the cruise control system.

- The indicator light does not come on.
- The indicator light flashes again.
- The indicator light goes out after it comes on.

If this is the case, contact your Toyota dealer and have your vehicle inspected.

Part 1
OPERATION OF INSTRUMENTS AND CONTROLS—

Chapter 1- 7
Car audio system and Air conditioning system

Car audio system

Air conditioning system

Rear heater system

Rear air conditioning system

Car audio system— —Reference

AM¿FM ETR radio/cassette player/compact disc player/compact disc auto changer controller

—Using your audio system: some basics

This section describes some of the basic features on Toyota audio systems. Some information may not pertain to your system.

Your audio system works when the ignition key is in the "ACC" or "ON" position.

TURNING THE SYSTEM ON AND OFF

Push "PWR·VOL" to turn the audio system on and off.

Push "AM·FM" , "TAPE" or "CD" to turn on that function without pushing "PWR·VOL".

You can turn on each player by inserting a cassette tape or compact disc.

You can turn off each player by ejecting the cassette tape or compact disc. If the audio system was previously off, then the entire audio system will be turned off when you eject the cassette tape or compact disc. If the another function was previously playing, it will come on again.

SWITCHING BETWEEN FUNCTIONS

Push "AM·FM" , "TAPE" or "CD" if the system is already on but you want to switch from one function to another.

TONE AND BALANCE

For details about your system's tone and balance controls, see the description of your own system.

Tone

How good an audio program sounds to you is largely determined by the mix of the treble, midrange, and bass levels. In fact, different kinds of music and vocal programs usually sound better with different mixes of treble, midrange, and bass.

Balance

A good balance of the left and right stereo channels and of the front and rear sound levels is also important.

Keep in mind that if you are listening to a stereo recording or broadcast, changing the right/left balance will increase the volume of one group of sounds while decreasing the volume of another.

YOUR RADIO ANTENNA

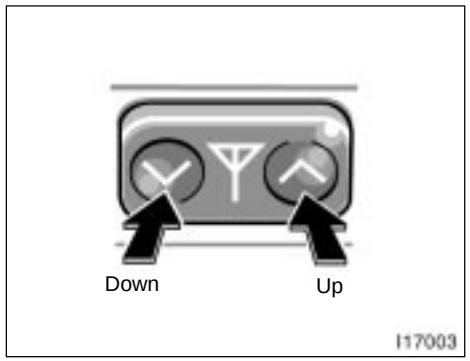
Lowering the antenna

To lower a power antenna, push the "" (down) switch. Also, the antenna automatically goes down when the radio mode is switched off to turn on the cassette tape player or compact disc player, turning off the audio system by pushing "PWR·VOL" or turning the ignition key to "LOCK" position.

Some models also have an antenna printed on the inside of the right side quarter window.

NOTICE

- ***To prevent damage to the antenna, make sure it is retracted before driving your Toyota through an automatic car wash.***
- ***On-glass antenna models, attaching the film (especially conductive or metalic type) on the right side quarter window will noticeably reduce the sensitivity of the radio.***



Adjusting the power antenna

To adjust the antenna height, push the switch.

Confirm that no one is close enough to get pushed before extending the antenna.

Clean the antenna mast periodically with a clean dry cloth.

YOUR CASSETTE PLAYER

When you insert a cassette, the exposed tape should be to the right.

NOTICE

Do not oil any part of the player and do not insert anything other than cassette tapes into the slot, or the tape player may be damaged.

YOUR COMPACT DISC PLAYER

When you insert a disc, gently push it in with the label side up. (The player will automatically eject a disc if the label side is down.) The compact disc player will play from track 1 through the end of the disc. Then it will play from track 1 again.

NOTICE

Never try to disassemble or oil any part of the compact disc player. Do not insert anything except a compact disc into the slot.

8 cm (3 in.) compact disc singles

Your compact disc player does not need an adaptor to play compact disc singles. Compact disc singles are about 8 cm (3 in.) in diameter- smaller than standard discs.

After you eject a compact disc single, do not insert a standard 12 cm (5 in.) disc until ”DISC” disappears from the display.

NOTICE

Do not use an adaptor for compact disc singles—it could cause tracking errors or interfere with the ejection of compact discs.

—Using your audio system: controls and features

Z17012

Details of specific buttons, controls, and features are described in the alphabetical listing that follows.

1 2 3 4 5 6 (Preset buttons)

These buttons are used to preset and tune in radio stations.

To preset a station to a button: Tune in the desired station (see “TUNE” or “SEEK” button). Push and hold down the button until you hear a beep—this will set the station to the button. The button number will appear on the display.

To tune in to a preset station: Push the button for the station you want. The button number and station frequency will appear on the display.

These systems can store one AM and two FM stations for each button (The display will show “AM”, “FM1” or “FM2” when you push “AM·FM”).

⏏ (Eject button)

Push the cassette tape eject button to eject a cassette. Push the compact disc eject button to eject a compact disc.

After you turn the ignition to “LOCK”, you will be able to eject a cassette or disc but you will not be able to reinsert it.

◀◀/▶▶ (Reverse/Fast forward buttons)

Cassette Player

Push the fast forward button to fast forward a cassette tape. “FF” will appear on the display. Push the reverse button to rewind a tape. “REW” will appear on the display.

To stop the tape while it is fast forwarding, push the fast forward button or “TAPE”; to stop the tape while it is rewinding, push the reverse button or “TAPE”.

If a tape side rewinds completely, the cassette player will stop and then play that same side. If a tape fast forwards completely, the cassette player will play the other side of the tape, using the auto-reverse feature.

Compact Disc Player

If you want to fast forward or reverse through a compact disc track, push and hold in the fast forward or reverse button. When you release the button, the compact disc player will resume playing.

AM·FM

Push “AM·FM” to switch between the AM and FM bands. ”AM”, “FM1” or “FM2” will appear on the display. These systems allow you to set twelve FM stations, two for each button.

If the audio system is off, you can turn on the radio by pushing “AM·FM”. Also, push “AM·FM” to switch from cassette or compact disc operation to radio operation.

AUDIO CONTROL / MODE

Manual tone adjustment function—

This knob is used to adjust the tone manually.

For low-pitch tone adjustment, push “AUDIO CONTROL / MODE” repeatedly until “BAS” appears on the display. Then turn the knob to suit your preference.

The display will show the range from “BAS -5” to “BAS 5”.

For middle-pitch tone adjustment, push “AUDIO CONTROL / MODE” repeatedly until “MId” appears on the display. Then turn the knob to suit your preference.

The display will show the range from “MId -5” to “MId 5”.

For high-pitch tone adjustment, push “AUDIO CONTROL / MODE” repeatedly until “TRE” appears on the display. Then turn the knob to suit your preference.

The display will show the range from “TRE -5” to “TRE 5”.

Sound balance adjustment function—

This knob is also to adjust the sound balance between the front and rear, and the right and left speakers.

For front/rear adjustment, push “AUDIO CONTROL / MODE” repeatedly until “FAd” appears on the display. Then turn the knob to adjust the front/rear balance.

The display will show the range from “FAd F7” to “FAd R7”.

For left/right adjustment, push “AUDIO CONTROL / MODE” repeatedly until “BAL” appears on the display. Then turn the knob to adjust the left/right balance.

The display will show the range from “BAL L7” to “BAL R7”.

CD (Compact Disc)

Push “CD” to switch from radio or cassette operation to compact disc operation. If the audio system is off, you can turn on the compact disc player by pushing “CD”. In both cases, a disc must already be loaded in the player.

When the audio is set into compact disc operation, the display shows the track or, track and disc number currently being played. Each time you push “CD”, the system changes between built-in single disc player and automatic changer.

Your audio system shows six different display if the player malfunctions.

If “WAIT” appears on the display, it indicates inside the player unit may be too hot due to the very high ambient temperature. Remove the disc or magazine from the player and allow the player to cool down.

If “Err 1” appears on the display, it indicates the disc is dirty, damaged, or it was inserted up-side down. Clean the disc or insert it correctly.

If “Err 2” appears on the display, it indicates no disc is loaded inside the magazine, insert a disc.

If “Err 3” or “Err 4” on the display, it indicates there is a trouble inside the system. Eject the disc or magazine. Set the disc or magazine again.

If “OPEn” appears on the display, it indicates the compact disc auto changer lid is open. Close the compact disc auto changer lid.

If the malfunction is not recovered, take your vehicle to your Toyota dealer.

DISC ∨∧

Compact disc auto changer only—

By using this button, you can select a disc you wish to listen to.

Push the either side of the button until the number of the disc you want to listen to appears on the display.

Dolby® DD B NR*

If you are listening to a tape that was recorded with Dolby® B Noise Reduction, push the button marked with the double-D symbol. The double-D symbol will appear on the display. Push the button again to turn off Dolby® B NR.

The Dolby NR mode reduces tape noise by about 10 dB. For best sound reproduction, play your tapes with this button on or off according to the mode used for recording the tape.

*: Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "DOLBY" and the double D symbol DD are trademarks of Dolby Laboratories Licensing Corporation.

MTL (Metal) Display

If a metal or chrome equivalent cassette tape is put in the cassette player, the player will automatically adapt to it and "MTL" will appear on the display.

PROG (Program)

Push "PROG" to select the other side of a cassette tape. The display indicates which side is currently selected ("▲" indicates top side, "▼" indicates bottom side).

Auto-reverse feature: After the cassette player reaches the end of a tape side, it automatically reverses and begins to play the other side. This is true whether the cassette was playing or fast forwarding.

PWR·VOL (Power·Volume)

Push "PWR·VOL" to turn the audio system on and off. Turn "PWR·VOL" to adjust the volume.

RAND (Random)

There are two random features—you can either listen to the tracks on all the compact discs in the magazine in random order, or only listen to the tracks on a specific compact disc in random order.

Random playing for the tracks on a disc: Quickly push and release "RAND". "RAND" will appear on the display and the disc you are listening to in random order. If you hear a beep, you held the button too long, and the player will play all the tracks in the magazine in random order. To turn off the random feature, push the "RAND" a second time.

Compact disc auto changer only—

Random playing for all the tracks in the magazine:
Push and hold "RAND" until you hear a beep. "D·RAND" will appear on the display and the player will perform all the tracks on all the discs in the magazine in random order. To turn off the random feature, push "RAND" a second time.

RPT (Repeat)

Cassette Player

Push "RPT" while the track is playing. "RPT" will appear on the display. When the track ends, it will automatically be rewound and replayed. This process will be continued until you push the button again to turn off the repeat feature.

There must be at least 3 seconds of blank space between tracks in order for the repeat feature to work correctly.

Compact Disc Player

There are two repeat features—you can either replay a disc track or a whole compact disc.

Repeating a track:
Quickly push and release “RPT” while the track is playing. “RPT” will appear on the display. If you hear a beep, you held the button too long, and the player will repeat the whole disc. When the track ends, it will automatically be replayed. This process will be continued until you push the button again to turn off the repeat feature.

Compact disc auto changer only—

Repeating a disc:
Push and hold “RPT” until you hear a beep. “D·RPT” will appear on the display. The player will repeat all the tracks on the disc you are listening to. When the disc ends, the player will automatically go back to the top track of the disc and replay. This process will be continued until you push the button again to turn off the repeat feature.

SCAN

Radio

You can either scan all the frequencies on a band or scan only the preset stations for that band.

To scan the preset stations:
Push and hold “SCAN” until you hear a beep. The radio will tune in the next preset station up the band, stay there for a few seconds, and then move to the next preset station. To select a station, push “SCAN” a second time.

To scan all the frequencies:
Quickly push and release “SCAN”. If you hear a beep, you held the button too long, and the radio will scan the preset stations. The radio will find the next station up the station band, stay there for a few seconds, and then scan again. To select a station, push “SCAN” a second time.

Compact disc player

There are two scan features—you can either scan the tracks on a specific disc or scan the first tracks of all the discs in the magazine.

Scanning for the tracks on a disc:
Quickly push and release “SCAN”. “SCAN” will appear on the display and the player will scan all the tracks on the disc you are listening to. If you hear a beep, you held the button too long, and the player will scan the first tracks of all the discs in the magazine. To select a track, push the “SCAN” a second time. If the player scanned all the tracks on the disc, it will stop scanning.

Compact disc auto changer only—

Scanning for the first tracks of all the discs in the magazine:
Push “SCAN” until you hear a beep. “D·SCAN” will appear on the display and the player will perform the first track of the next disc. To select a disc, push the “SCAN” a second time. If the player has scanned all the discs, it will stop scanning.

SEEK (Seeking)

Radio

In the seek mode, the radio finds and plays the next station up or down the station band.

To seek a station, push and hold the "⏪" or "⏩" side of "SEEK" until you hear a beep. Do this again to find another station.

Cassette Player

By using this button, you can skip up or down to a different track.

You can skip up to nine tracks at a time.

Push the up or down side of the button. "FF 1" or "REW 1" will appear on the display.

Next, push either side of the track button until the number on the display reaches the number of tracks you want to skip. If you push the button ten times, the skip feature will be turned off.

When counting the number of tracks you want to rewind, remember to count the current track as well. For example, if you want to rewind to a song that is two before the song you are listening to, push on the down side of the button until "REW 3" appears on the display.

If you have pushed the track button more than you wanted to, push the other side of the button. The track number will be reduced.

The track number you select is not valid if it is higher than the number of tracks remaining on the current cassette side.

- After the beginning of the tape is reached, the player will automatically start playing the same side.
- After the end of the tape is reached, the player will automatically reverse sides and start playing the other side.

There must be at least 3 seconds of blank space between tracks for the track button to work correctly. In addition, the feature may not work well with some spoken word, live, or classical recordings.

SKIP

The skip feature allows you to fast forward past long stretches of blank tape. This is especially useful at the end of cassettes.

Push "SKIP". "SKIP" will appear on the display. The cassette player will keep track of how much blank space it plays. Any time it has played about 10 seconds of blank tape, it will automatically fast forward to the next track and begin to play.

Push the button a second time to turn off the skip feature.

ST (Stereo reception) display

Your radio automatically changes to stereo reception when a stereo broadcast is received. "ST" appears on the display. If the signal becomes weak, the radio reduces the amount of channel separation to prevent the weak signal from creating noise. If the signal becomes extremely weak, the radio switches from stereo to mono reception.

TAPE

Push “TAPE” to switch from radio or compact disc operation to cassette operation. If the audio system is off, you can turn on the cassette player by pushing “TAPE”. In both cases, a cassette must already be loaded in the player.

TRACK (Track up/down button): Compact disc player

By using this button, you can skip up or down to a different track.

Push either side of the track button until the number of the track you want to listen to appears on the display. If you want to return the beginning of the current track, push the down side of the button one time, quickly.

TUNE (Tuning)

Your Toyota has an electronic tuning radio (ETR). Push and release the “⍓” (up) or “⍗” (down) side of “TUNE” to step up or down the station band. (If you hear a beep, you held the button too long and the radio will go into the seek mode.)

—Car audio system operating hints

NOTICE

To ensure the correct audio system operation:

- ***Be careful not to spill beverages over the audio system.***
- ***Do not put anything other than a cassette tape or Compact Disc into the slot.***

RADIO RECEPTION

Usually, a problem with radio reception does not mean there is a problem with your radio—it is just the normal result of conditions outside the vehicle.

For example, nearby buildings and terrain can interfere with FM reception. Power lines or telephone wires can interfere with AM signals. And of course, radio signals have a limited range, and the farther you are from a station, the weaker its signal will be. In addition, reception conditions change constantly as your vehicle moves.

Here are some common reception problems that probably do not indicate a problem with your radio:

FM

Fading and drifting stations—Generally, the effective range of FM is about 40 km (25 miles). Once outside this range, you may notice fading and drifting, which increase with the distance from the radio transmitter. They are often accompanied by distortion.

Multi-path—FM signals are reflective, making it possible for two signals to reach your antenna at the same time. If this happens, the signals will cancel each other out, causing a momentary flutter or loss of reception.

Static and fluttering—These occur when signals are blocked by buildings, trees, or other large objects. Increasing the bass level may reduce static and fluttering.

Station swapping—If the FM signal you are listening to is interrupted or weakened, and there is another strong station nearby on the FM band, your radio may tune in the second station until the original signal can be picked up again.

AM

Fading—AM broadcasts are reflected by the upper atmosphere—especially at night. These reflected signals can interfere with those received directly from the radio station, causing the radio station to sound alternately strong and weak.

Station interference—When a reflected signal and a signal received directly from a radio station are very nearly the same frequency, they can interfere with each other, making it difficult to hear the broadcast.

Static—AM is easily affected by external sources of electrical noise, such as high tension power lines, lightening, or electrical motors. This results in static.

CARING FOR YOUR CASSETTE PLAYER AND TAPES

For high performance from your cassette player and tapes:

Clean the tape head and other parts regularly.

- A dirty tape head or tape path can decrease sound quality and tangle your cassette tapes. The easiest way to clean them is by using a cleaning tape. (A wet type is recommended.)

Use high-quality cassettes.

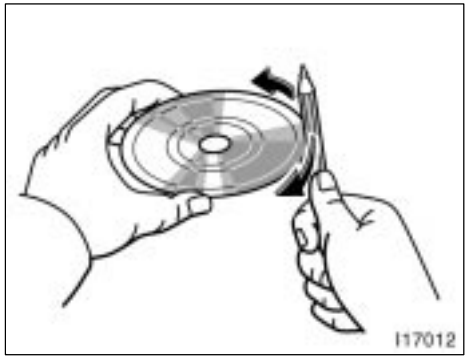
- Low-quality cassette tapes can cause many problems, including poor sound, inconsistent playing speed, and constant auto-reversing. They can also get stuck or tangled in the cassette player.
- Do not use a cassette if it has been damaged or tangled or if its label is peeling off.
- Do not leave a cassette in the player if you are not listening to it, especially if it is hot outside.
- Store cassettes in their cases and out of direct sunlight.
- Avoid using cassettes with a total playing time longer than 100 minutes (50 minutes per side). The tape used in these cassettes is thin and could get stuck or tangled in the cassette player.

CARING FOR YOUR COMPACT DISC PLAYER AND DISCS

- Use only compact discs labeled as shown.
- Extremely high temperatures can keep your compact disc player from working. On hot days, use the air conditioning to cool the vehicle interior before you listen to a disc.
- Bumpy roads or other vibrations may make your compact disc player skip.

- If moisture gets into your compact disc player, you may not hear any sound even though your compact disc player appears to be working. Remove the disc from the player and wait until it dries.
- Handle compact discs carefully, especially when you are inserting them. Hold them on the edge and do not bend them. Avoid getting fingerprints on them, particularly on the shiny side.
- Dirt, scrapes, warping, pin holes, or other disc damage could cause the player to skip or to repeat a section of a track. (To see a pin hole, hold the disc up to the light.)
- Remove discs from the compact disc player when you are not listening to them. Store them in their plastic cases away from moisture, heat, and direct sunlight.

To clean a compact disc: Wipe it with a soft, lint-free cloth that has been dampened with water. Wipe in a straight line from the center to the edge of the disc (not in circles). Dry it with another soft, lint-free cloth. Do not use a conventional record cleaner or anti-static device.



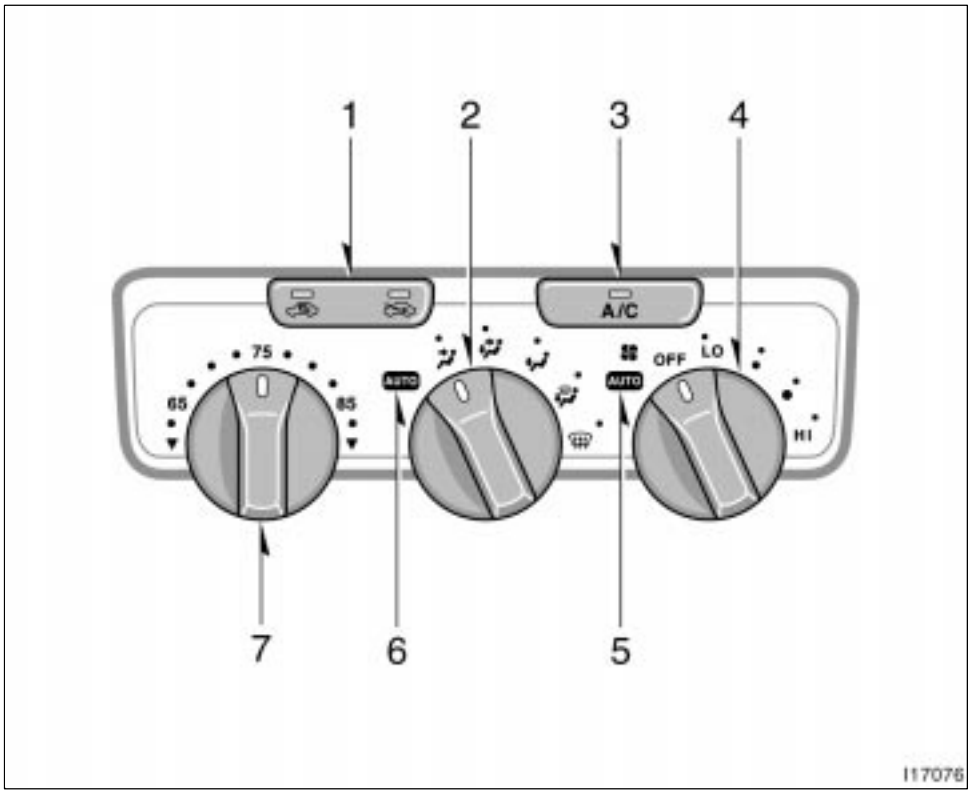
A new disc may have rough edges on its inner and outer perimeter. Remove the rough edges by pressing the side of a ball-point pen or pencil against the inner and outer perimeter of the disc as shown.

If you continue to play a disc with rough edges, flakes will fall on to the signal side of the disc and cause sound skipping or other problems.

⚠ CAUTION

Compact disc players use invisible laser beam which could cause hazardous radiation exposure if directed outside the unit. Be sure to operate the player correctly as instructed.

Air conditioning system—
—Controls



1. Air Intake Selector
2. Air Flow Selector
3. ”A/C” Button
4. Fan Speed Selector
5. “AUTO” Position (for fan speed)
6. “AUTO” Position (for air flow)
7. Temperature Selector

”AUTO” position (for fan speed and air flow)

For automatic operation of the air conditioning, turn the fan speed and air flow selector knobs to the “AUTO” position.

In the automatic operation mode, the air conditioning selects the most suitable fan speed and air flow according to the temperature.

You may use manual controls if you want to select your own settings.

Fan speed selector

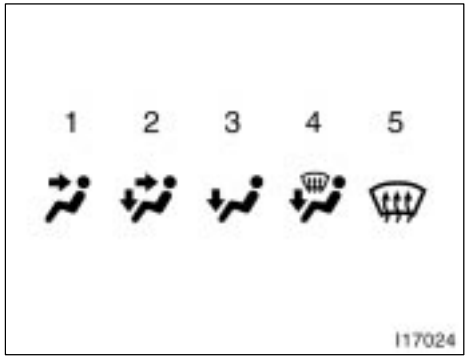
Turn the knob to adjust the fan speed—to the right to increase, to the left to decrease.

In automatic operation, you do not have to adjust the fan speed unless you desire another fan speed mode.

Temperature selector

Turn the knob to adjust the temperature—to the right to warm, to the left to cool.

In automatic operation, turn the knob to the desired temperature.



Air flow selector

Turn the knob to select the vents used for air flow.

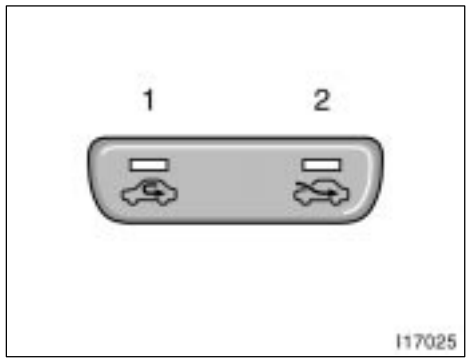
In automatic operation, you do not have to select the air flow unless you desire another air flow mode.

1. **Panel**—Air flows mainly from the instrument panel vents.
2. **Bi- level**—Air flows from both the floor vents and the instrument panel vents.
3. **Floor**—Air flows mainly from the floor vents.
4. **Floor/Windshield**—Air flows mainly from the floor vents and windshield vents.
5. **Windshield**—Air flows mainly from the windshield vents.

For details about air flow selector settings, see the illustration after ”A/C” button.

Turning the air flow control knob to windshield position turns on the defroster-linked air conditioning. At this time, the ”A/C” button indicator comes on regardless of whether or not the ”A/C” button is pressed in. This is to clean up the front view more quickly.

When the ”A/C” button is not pressed in, turning the air flow control knob to another position turns off the air conditioning.



Air intake selector

Press the button to select the air source. An indicator light will illuminate to show which air intake mode is being selected.

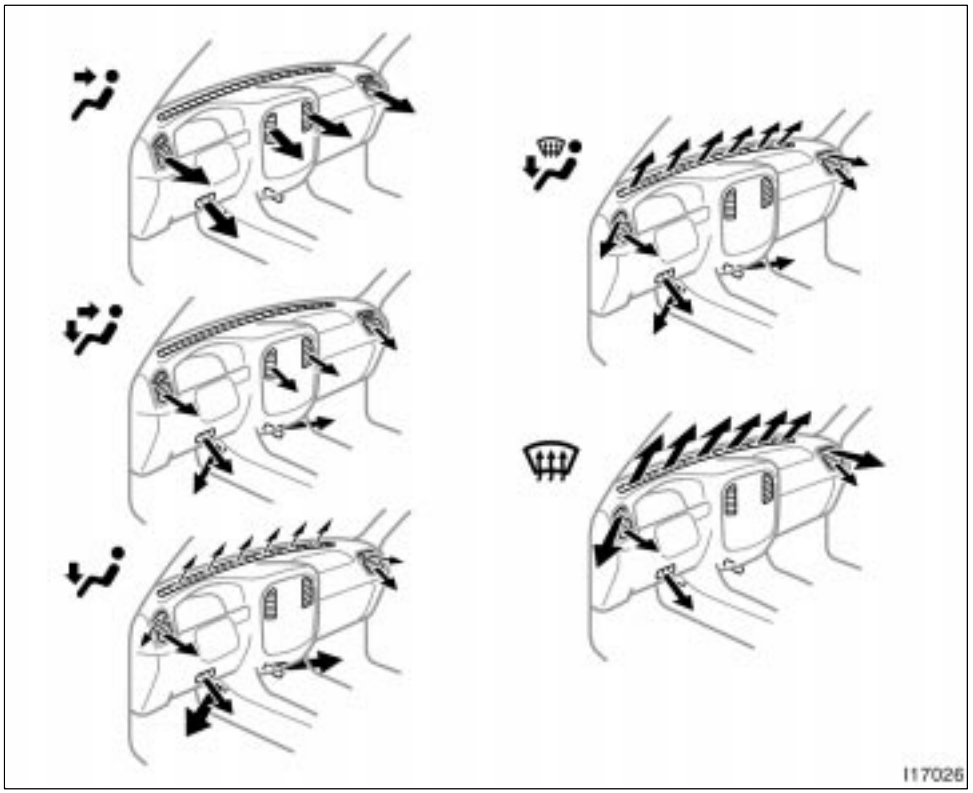
1. **Recirculate**—Recirculates the air inside the vehicle.
2. **Fresh**—Draws outside air into the system.

”A/C” button

To turn on the air conditioning, press the ”A/C” button. The ”A/C” button indicator will come on. To turn the air conditioning off, press the button again.

If the ”A/C” button indicator flashes, there is a problem in the air conditioning system and the air conditioning automatically shuts off. If this happens, take your vehicle to a Toyota dealer for service.

—Air flow selector settings



—Operating tips

- To cool off your Toyota after it has been parked in the hot sun, drive with the windows open for a few minutes. This vents the hot air, allowing the air conditioning to cool the interior more quickly.
- Make sure the air intake grilles in front of the windshield are not blocked (by leaves or snow, for example).
- On humid days, do not blow cold air on the windshield. The windshield could fog up because of the difference in air temperature on the inside and outside of the windshield.
- Keep the area under the front seats clear to allow air to circulate throughout the vehicle.
- On cold days, move the fan speed to "HI" for a minute to help clear the intake ducts of snow or moisture. This can reduce the amount of fogging on the windows.

Heating

For best results, set controls to:

Fan speed—"AUTO"
Temperature—To the desired temperature
Air intake—FRESH (outside air)
Air flow—"AUTO"
Air conditioning—OFF

▶For quick heating, select recirculated air for a few minutes. To keep the windows from fogging, select fresh after the vehicle interior has been warmed.

▶Press the "A/C" button on for dehumidified heating.

▶Choose floor/windshield air flow to heat the vehicle interior while defrosting or defogging the windshield.

Air conditioning

For best results, set controls to:

Fan speed—"AUTO"
Temperature—To the desired temperature
Air intake—FRESH (outside air)
Air flow—"AUTO"
Air conditioning—ON

▶For quick cooling, move the air intake selector to recirculate for a few minutes.

Ventilation

For best results, set controls to:

Fan speed—"AUTO"
Temperature—To the desired temperature
Air intake—FRESH (outside air)
Air flow—"AUTO"
Air conditioning—OFF

Defogging

The inside of the windshield

For best results, set controls to:

Temperature—Towards high temperature to heat; low temperature to cool
Air intake—FRESH (outside air)
Air flow—WINDSHIELD

Turning the air flow control knob to windshield position turns on the defroster-linked air conditioning. At this time, the "A/C" button indicator comes on regardless of whether or not the "A/C" button is pressed in. This is to clean up the front view more quickly.

When the "A/C" button is not pressed in, turning the air flow control knob to another position turns off the air conditioning.

▶On humid days, do not blow cold air on the windshield—the difference between the outside and inside temperatures could make the fogging worse.

Defrosting

The outside of the windshield

For best results, set controls to:

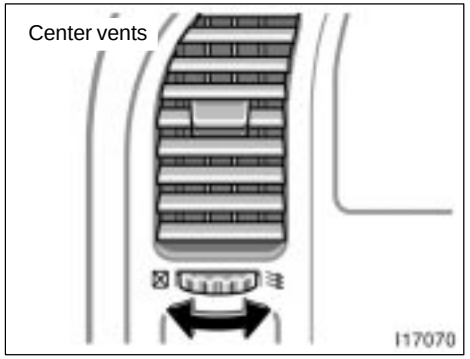
Temperature—	Towards high temperature
Air intake—FRESH	(outside air)
Air flow—WINDSHIELD	

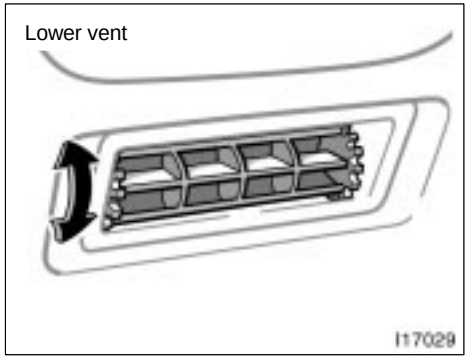
Turning the air flow control knob to windshield position turns on the defroster-linked air conditioning. At this time, the "A/C" button indicator comes on regardless of whether or not the "A/C" button is pressed in. This is to clean up the front view more quickly.

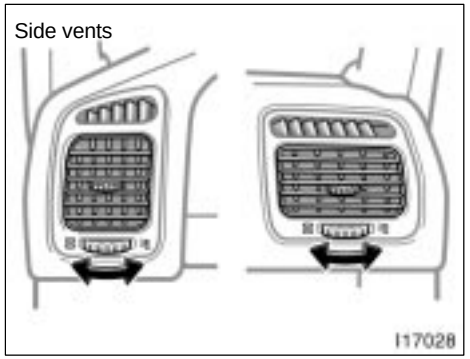
When the "A/C" button is not pressed in, turning the air flow control knob to another position turns off the air conditioning.

▶To heat the vehicle interior while defrosting the windshield, choose floor/windshield air flow.

—Instrument panel vents

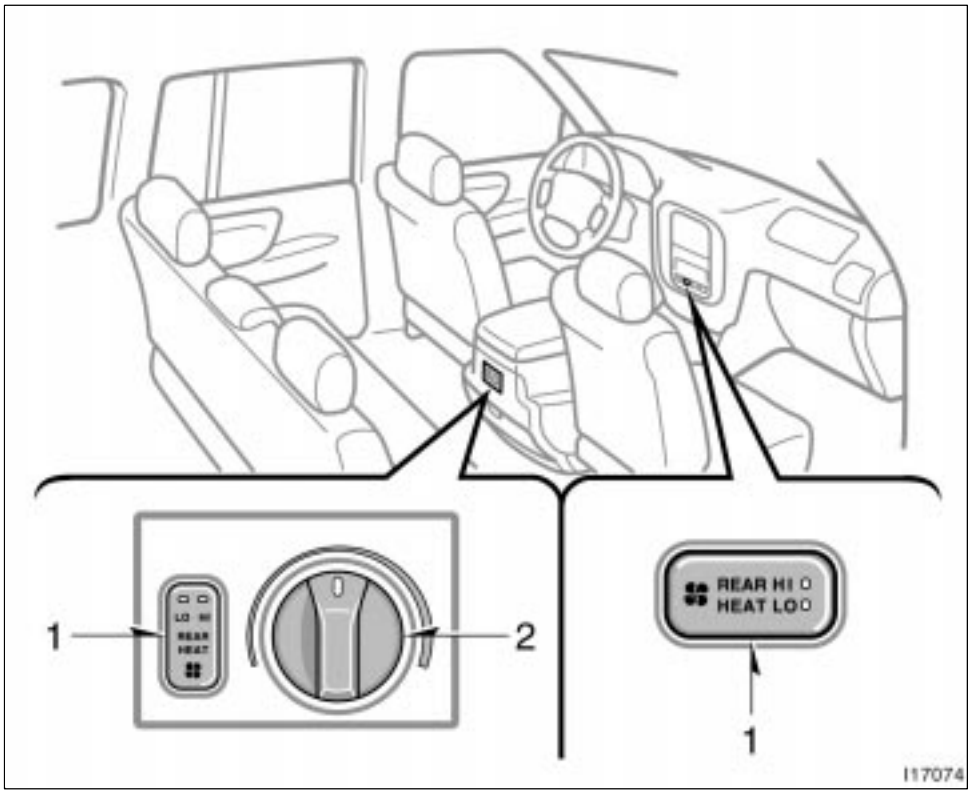






If air flow control is not satisfactory, check the instrument panel vents. The instrument panel vents may be opened or closed as shown.

Rear heater system



1. Fan Speed Selector
2. Temperature Selector

Fan speed selector

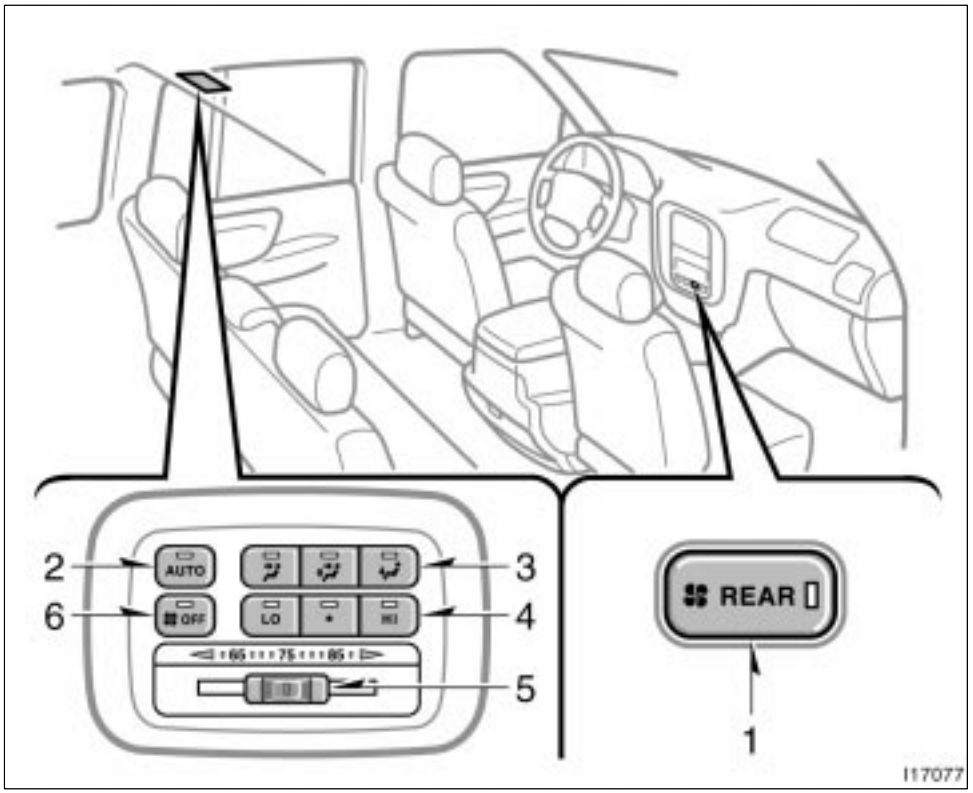
This button is used to turn the rear heater system on and off, and adjust the fan speed.

Pressing the button once adjusts the fan speed to the “LO” mode and twice successionally adjusts the fan speed to the “HI” mode.

Temperature selector

Turn the knob to adjust the temperature—to the right to warm, to the left to cool.

Rear air conditioning system—
—Controls



1. Rear Air Conditioning On- Off Button
2. “AUTO” Button
3. Air Flow Selector
4. Fan Speed Selector
5. Temperature Selector
6. “OFF” Button

Rear air conditioning on- off button

To turn the rear air conditioning on, press the “REAR” button. To turn the rear air conditioning off, press the button again.

”AUTO” button

For automatic operation of the rear air conditioning, press the ”AUTO” button. An indicator light will illuminate to show that the automatic operation mode has been selected.

In the automatic operation mode, the rear air conditioning selects the most suitable fan speed and air flow according to the temperature.

You may use manual controls if you want to select your own settings.

To turn off the automatic operation, press the ”OFF” button.

Fan speed selector

Press the buttons to adjust the fan speed.

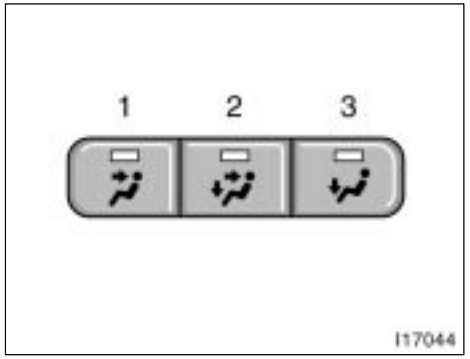
In automatic operation, you do not have to adjust the fan speed unless you desire another fan speed mode.

Temperature selector

Move the lever to adjust the temperature—to the right to warm, to the left to cool.

”OFF” button

Push the button to turn off the rear air conditioning system.



Air flow selector

Press one of the buttons to select the vents used for air flow. An indicator light will illuminate to show which air flow mode is being selected.

In automatic operation, you do not have to select the air flow unless you desire another air flow mode.

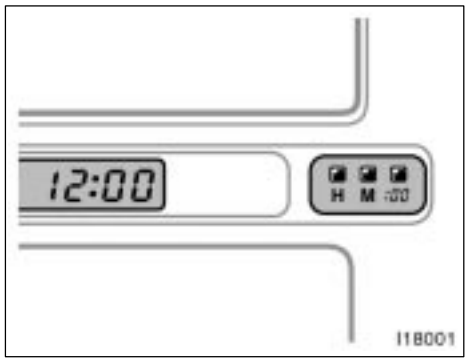
1. **Panel—**Air flows mainly from the roof vents.
2. **Bi- level—**Air flows from both the floor vents and the roof vents.
3. **Floor—**Air flows mainly from the floor vents.

—Air flow selector settings

Part 1
OPERATION OF INSTRUMENTS AND CONTROLS—

Chapter 1- 8
Other equipment

Clock



The digital clock indicates the time.

The key must be in the “ACC” or “ON” position.

To reset the hour: Push the “H” button.
To reset the minutes: Push the “M” button.

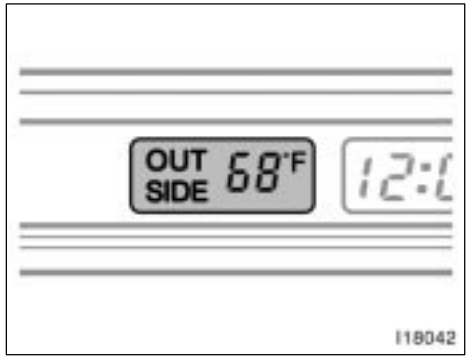
If quick adjustment to a full hour is desired, push the “:00” button.

For example, if the “:00” button is depressed when the time is between 1:01—1:29, the time will change to 1:00. If the time is between 1:30—1:59, the time will change to 2:00.

If the electrical power source has been disconnected from the clock, the time display will automatically be set to 1:00 (one o’clock).

When the instrument panel lights are turned on, the brightness of the time indication will be reduced.

Outside temperature display

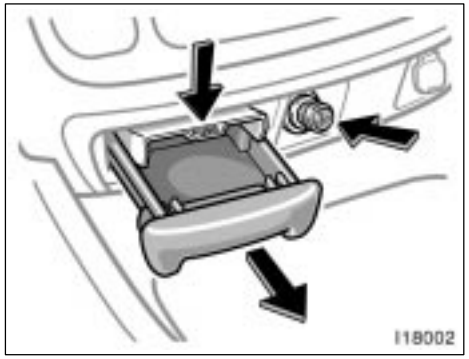


The outside temperature display indicates the outside air temperature.

The key must be in the “ON” position.

The display indicates between the range of -22°F and 122°F.

Cigarette lighter and ashtray



CIGARETTE LIGHTER

To use the cigarette lighter, press it in. When it becomes heated, it automatically pops out ready for use.

If the engine is not running, the key must be in the ”ACC” position.

Do not hold the cigarette lighter pressed in.

Use a Toyota genuine cigarette lighter or equivalent for replacement.

ASHTRAY

To use the ashtray, pull it out.

When finished with your cigarette, thoroughly extinguish it in the ashtray to prevent other cigarette butts from catching fire. After using the ashtray, push it back in completely.

To remove the ashtray, press down on the lock spring plate and pull out.

⚠ CAUTION

To reduce the chance of injury in case of an accident or sudden stop while driving, always close the ashtray completely after using.

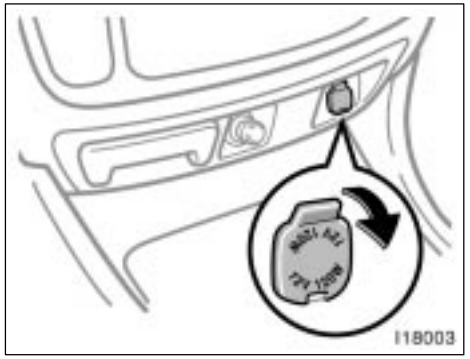
Power outlets

The power outlets are designed for power supply for car accessories. To use them, open the lids as shown in the following illustrations.

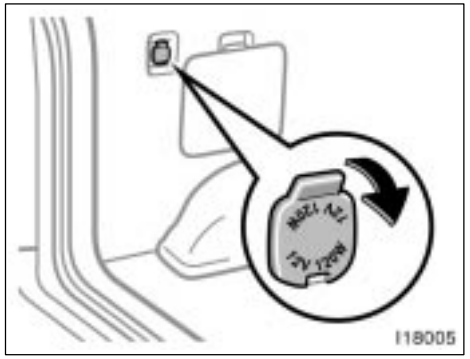
The key must be in the “ACC” or “ON” position to be used.

NOTICE

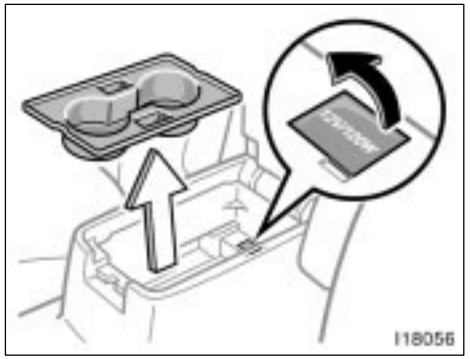
- ***To prevent the fuse from being blown, do not use the electricity over the total vehicle of capacity 12V/120W (all the outlets together).***
- ***To prevent the battery from being discharged, do not use the power outlets longer than necessary when the engine is not running.***
- ***Close the power outlet lids when the power outlets are not in use. Inserting a foreign object other than plug that fits the outlet, or pouring juice or other liquid into the outlet may cause troubles or short circuits.***



Instrument panel

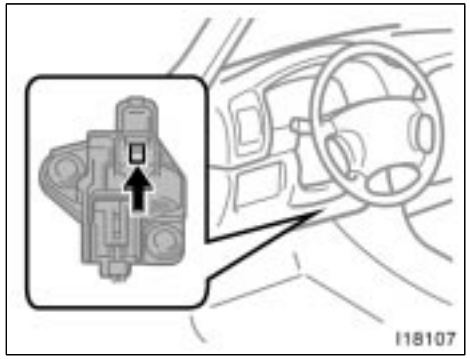


Luggage compartment



Center console box

Fuel pump shut- off system



In response to a severe impact which may cause a large amount of vehicle deformation, the fuel pump shut- off system stops supplying fuel to the engine to minimize the risk of fuel leakage.

The fuel pump shut- off system activates when the impact detection sensor located in the footwell of the driver's seat detects an impact larger than specified.

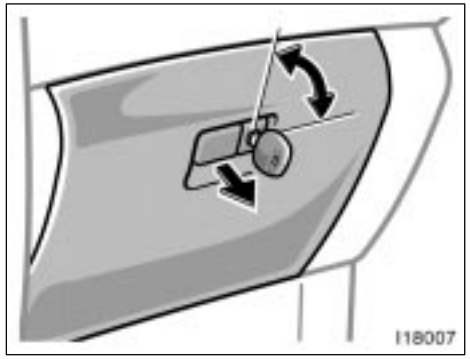
If the fuel pump shut- off system has activated, you can turn on the fuel pump shut- off system with the reset switch on the impact detection sensor. To turn on the fuel pump and reset the shut- off switch, push the reset switch for longer than one second with the vehicle parked on a level surface.

⚠ CAUTION

- **Inspect the ground under the vehicle before resetting the fuel pump shut- off system. If you find liquid leakage on the ground, it is probable that the fuel system has been damaged and is in need of repair. In this case, do not reset the fuel pump shut- off system.**
- **Do not strike or kick the impact detection sensor. The fuel pump shut- off system may activate, shutting off the motor and placing the vehicle in a position to be involved in an unexpected accident.**

The fuel pump shut- off system is designed to activate in a collision which may cause a large amount of vehicle deformation. It does not operate in a small impact.

Glovebox



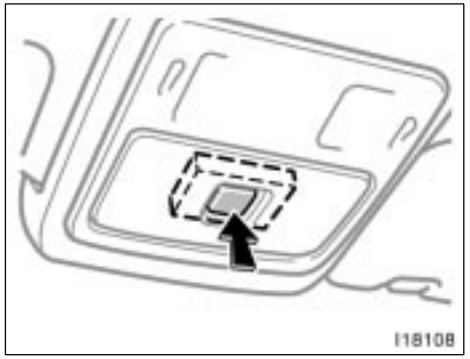
To use the glovebox, do this.

To open: Pull the lever.
To lock: Insert the master key and turn it clockwise.

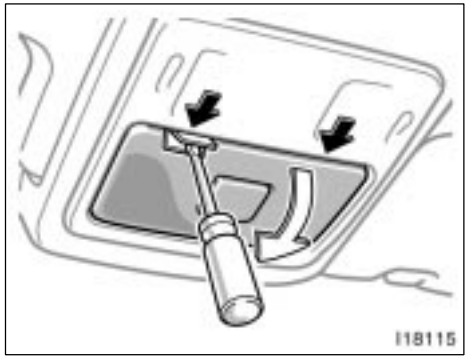
⚠ CAUTION

To reduce the chance of injury in case of an accident or a sudden stop, always keep the glovebox door closed while driving.

Garage door opener box

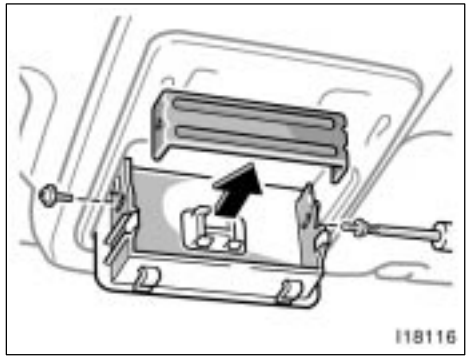


Your vehicle is equipped with a box designed to store a garage door opener transmitter. You can operate the stored garage door opener through the lid.

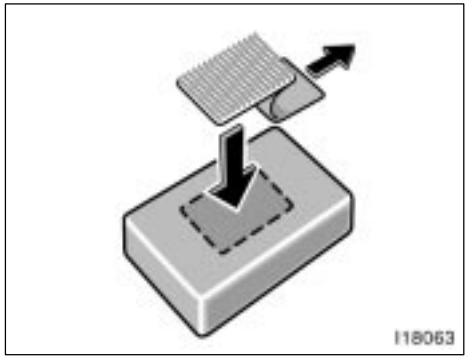


To use the garage door opener box, do the following.

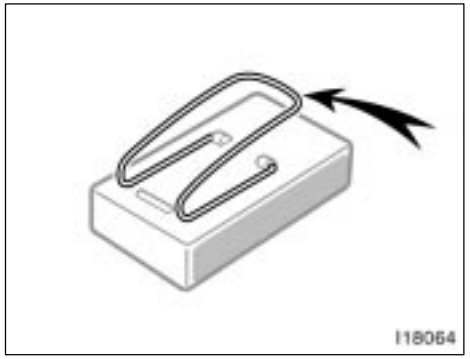
1. **Open the garage door opener box with a flat-bladed screwdriver. To protect the surface, put a sheet of paper or cloth on the blade.**



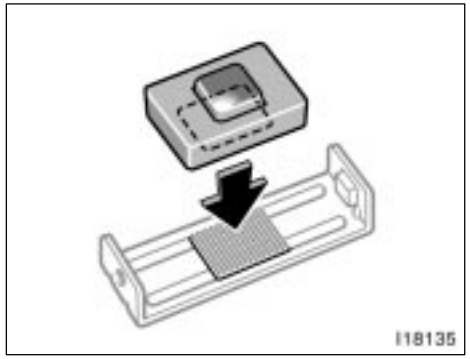
2. Unscrew the screws on both sides and remove the stay.



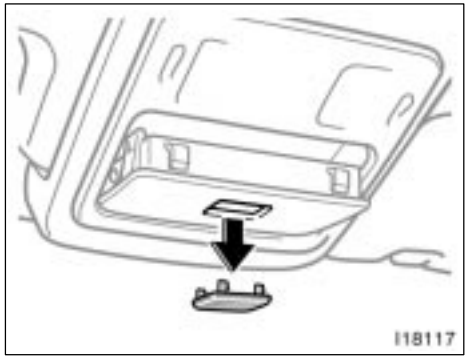
3. Remove Velcro loop on the stay. Remove the paper strip covering the adhesive on back side of Velcro loop and adhere it just behind the button to back side of the transmitter near center.



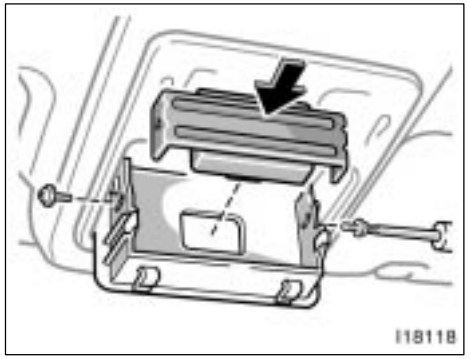
Please note if the transmitter has wire clip for sun visor, this clip must be removed prior to adhesion of the Velcro.



4. Install the transmitter on the center of the stay with Velcro.

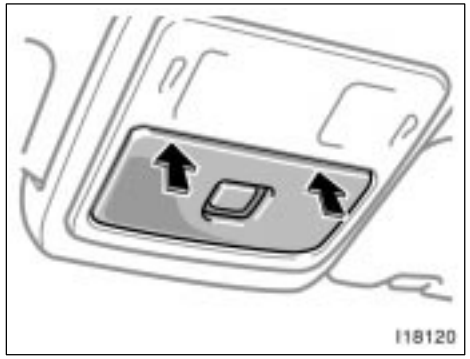


5. Remove the cover on the opening on the lid.



6. Reinstall the stay and secure it with the screws. Before fixing it with the screws, adjust the position of the transmitter as it can be operated through the opening on the lid.

Make sure that the transmitter can be operated properly.



7. Close the lid securely.

Make sure that the lid is closed securely.

⚠ CAUTION

To reduce the chance of injury in case of an accident or a sudden stop, always keep the garage door opener box closed while driving.

Auxiliary boxes—

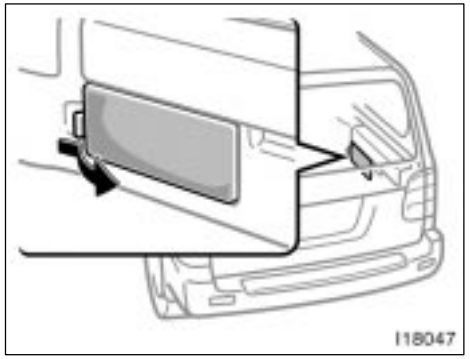
To use the auxiliary boxes, open the lids as shown in the following illustrations.

⚠ CAUTION

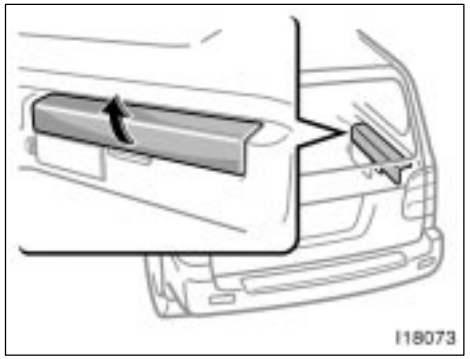
To reduce the chance of injury in case of an accident or a sudden stop, always keep the auxiliary box closed while driving.

NOTICE

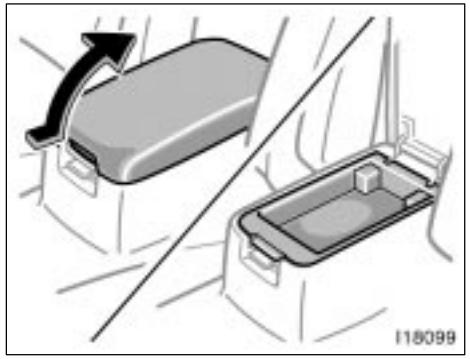
Types D, E and F—In hot weather, inside of the vehicle ceiling becomes very hot. Do not leave anything flammable or deformable such as a lighter, the glasses, etc. inside.



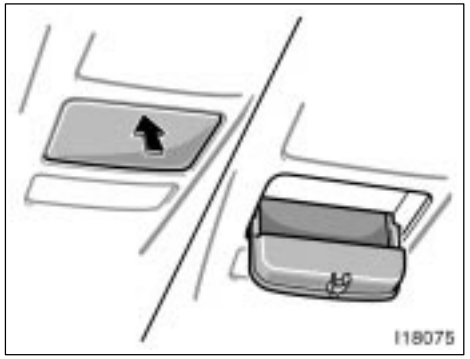
Type A (luggage compartment)



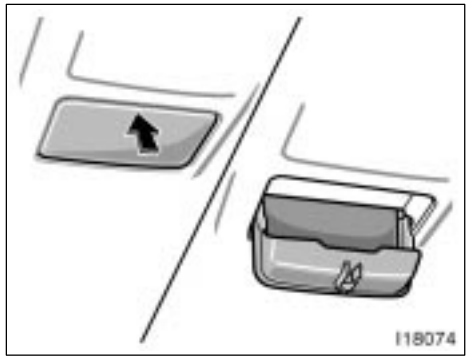
Type B (luggage compartment)



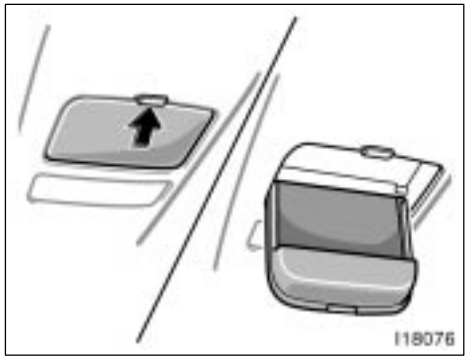
Type C (center console)



Type E (front ceiling)

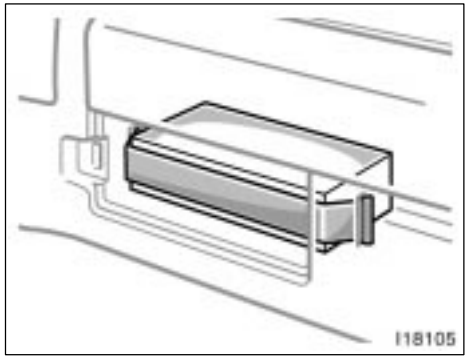


Type D (front ceiling)



Type F (front ceiling)

—First- aid kit holder



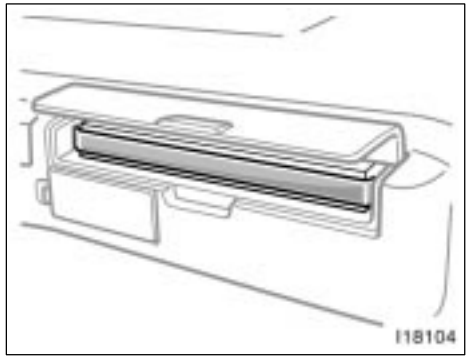
Type A auxiliary box is equipped with a band to hold the first- aid kit.

Although the first- aid kit itself is not included as an original equipment, this auxiliary box can be used to store the first- aid kit.

Hold the first- aid kit with a band.

Make sure the first- aid kit is securely held.

—Warning reflector holder



Type B auxiliary box is equipped with a band or straps to hold the warning reflector.

Although the warning reflector itself is not included as an original equipment, this auxiliary box can be used to store the warning reflector.

Hold the warning reflector with a band.

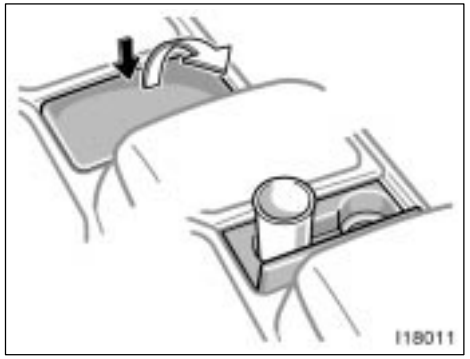
Make sure the warning reflector is securely held.

Cup holders

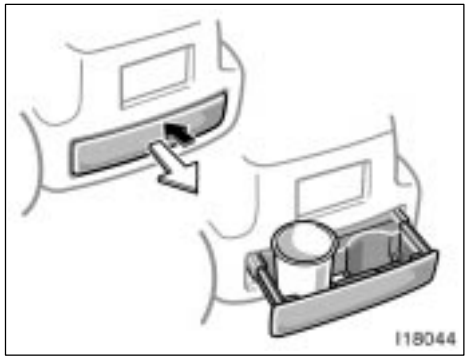
The cup holder is designed for holding cups or drink-cans securely in its holes. To use them, observe the following illustrations.

⚠ CAUTION

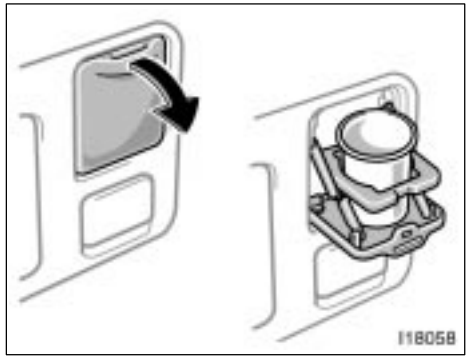
- **Do not place anything else other than cups or drink-cans on the cup holder, as such item may be thrown about and possibly injure people in the vehicle during sudden braking or an accident.**
- **To reduce the chance of injury in case of an accident or sudden stop while driving, keep the cup holder retracted when it is not in use.**



For front seats

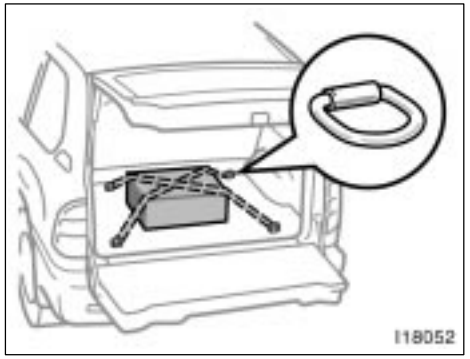


For second seats



For third seats (right- hand side only)

Tie- down hooks



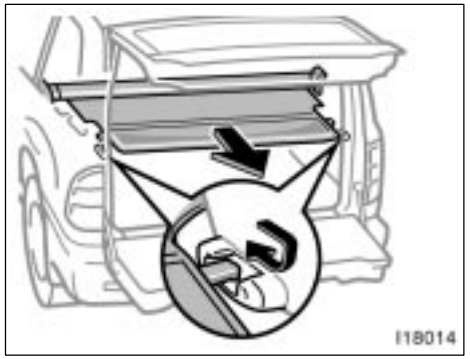
To secure your luggage, use the tie- down hooks as shown above.

See ”Luggage stowage precautions” in Part 2 for precautions to observe in loading luggage.

NOTICE
Do not use the seat anchors instead of the tie- down hooks.

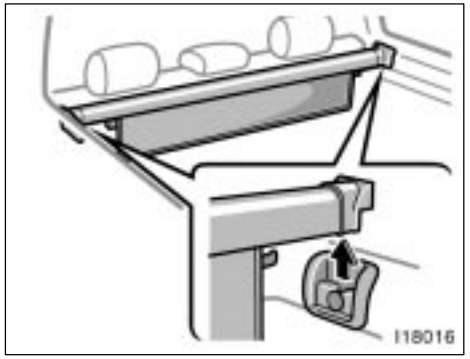
Luggage cover

Type A



Type B

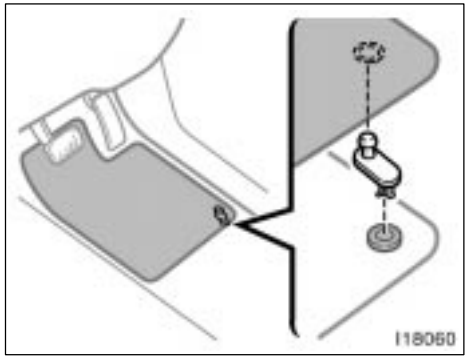
To use the luggage cover, pull it out of the retractor and hook it on the anchors.



To remove the luggage cover, lift it up.

After you remove the luggage cover, place it somewhere other than the passenger compartment. This will prevent passengers from injury in the event of a sudden stop or accident.

Floor mat



Use a floor mat of the correct size.

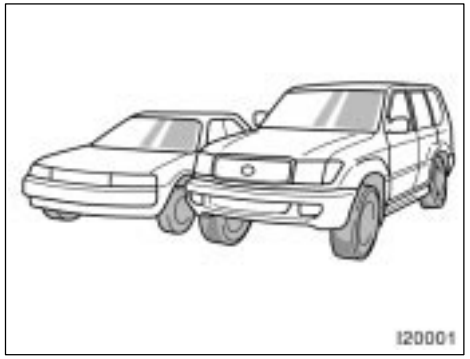
If the floor carpet and floor mat have a hole, then it is designed for use with a locking clip. Fix the floor mat with locking clip into the hole in the floor car

⚠ CAUTION

Make sure the floor mat is properly placed on the floor carpet. If the floor mat slips and interferes with the movement of the pedals during driving, it may cause an accident.

Part 2
INFORMATION BEFORE DRIVING YOUR TOYOTA

Off- road vehicle precautions



This vehicle is one of the class of vehicles which have higher ground clearance and narrower tread in relation to the height of their center of gravity to make them capable of performing in a wide variety of off- road applications. Specific design characteristics give it a higher center of gravity than ordinary cars. An advantage of the higher ground clearance is a better view of the road allowing you to anticipate problems. It is not designed for cornering at the same speeds as conventional two- wheel drive vehicles any more than low- slung sports cars are designed to perform satisfactorily under off- road conditions.

⚠ CAUTION

Always observe the following precautions to minimize the risk of serious personal injury or damage to your vehicle:

- **Avoid sharp turns or abrupt maneuvers, if at all possible. As with other vehicles of this type, failure to operate this vehicle correctly may result in loss of control or vehicle rollover.**
- **Avoid loading any items on the roof that will make the center of gravity even higher.**
- **Always slow down in gusty cross-winds. Because of its high center of gravity, your vehicle is more sensitive to side winds than an ordinary passenger car. Slowing down will allow you to have much better control.**
- **Do not drive horizontally across steep slopes. Driving straight up or straight down is preferred. Your vehicle (or any similar off-road vehicle) can tip over sideways much more easily than forward or backward.**
- **When driving off-road or in rugged terrain, do not drive at excessive speeds, jump, strike objects, etc. This may cause loss of control or vehicle rollover. You are also risking expensive damage to your vehicle's suspension and chassis.**

Break-in period

Drive gently and avoid high speeds.

Your vehicle does not need an elaborate break-in. But following a few simple tips for the first 1600 km (1000 miles) can add to the future economy and long life of your vehicle:

- Do not drive over 88 km/h (55 mph).
- Run the engine at moderate speed between 2000 and 4000 rpm.
- Avoid full-throttle starts.
- Try to avoid hard stops during the first 300 km (200 miles).
- Do not drive for a long time at any single speed, either fast or slow.
- Do not tow a trailer during the first 800 km (500 miles).

Fuel

FUEL TYPE

Your new vehicle must use only unleaded gasoline.

To help prevent gas station mixups, your Toyota has a new smaller fuel tank opening. The special nozzle on pumps with unleaded fuel will fit it, but the larger standard nozzle on pumps with leaded gas will not.

At a minimum, the gasoline you use should meet the specifications of ASTM D4814 in the U.S.A. and CGSB 3.5-M93 in Canada.

NOTICE

Do not use leaded gasoline. Use of leaded gasoline will cause the three-way catalytic converter to lose its effectiveness, the emission control system to function improperly, and damage to the engine. Also, this can increase maintenance costs.

OCTANE RATING

Select Octane Rating 91 (Research Octane Number 96) or higher for optimum engine performance. However, if such premium type cannot be obtained, you may temporarily use unleaded gasoline with an Octane Rating as low as 87 (Research Octane Number 91).

Use of unleaded gasoline with an octane rating or research octane number lower than stated above will cause persistent heavy knocking. If it is severe, this will lead to engine damage.

If your engine knocks...

If you detect heavy knocking even when using the recommended fuel, or if you hear steady knocking while holding a steady speed on level roads, consult your Toyota dealer.

However, now and then, you may notice light knocking for a short time while accelerating or driving up hills. This is no need of concern.

GASOLINES CONTAINING DETERGENT ADDITIVES

Toyota recommends use of gasolines that contain detergent additives to avoid build-up of engine deposits.

For further details, ask your Toyota dealer or a local gasoline retailer.

IMPROVED GASOLINES

The American Automobile Manufacturers Association (AAMA) has developed a specification of improved gasolines. The AAMA specification offers optimal fuel information for better vehicle performance and better protection of your engine.

Toyota recommends the use of gasolines that meet the AAMA specification, if available, for improved driveability and emission control system.

GASOLINES CONTAINING MTBE

Gasolines that contain MTBE (Methyl Tertiary-Butyl Ether) are available in the market. If you use a gasoline mixed with MTBE, make certain that it does not contain more than 15% of MTBE.

If the use of gasolines containing MTBE causes poor drive ability and/or poor fuel economy, you should discontinue the use of fuels containing MTBE.

GASOLINES CONTAINING MMT

Some gasolines contain an octane-enhancing additive called MMT (methylcyclopentadienyl manganese tricarbonyl).

Toyota does not recommend the use of gasolines that contain MMT. If fuels containing MMT are used, your emission control system may be adversely affected. The Malfunction Indicator Lamp on the instrument cluster may come on. If this happens, contact your Toyota dealer for service.

GASOLINES CONTAINING ALCOHOL

If you use gasohol in your Toyota, be sure that it is unleaded, has an octane rating no lower than 87 and does not contain more than 10% ethanol.

Gasohol is a mixture of gasoline and ethanol.

Toyota does not recommend the use of gasolines containing methanol. If you use gasoline containing methanol, use only gasoline meeting the requirements above and also containing less than 5% methanol with cosolvents and corrosion inhibitors for methanol.

NOTICE

- ***Do not use gasohol other than stated above. It will cause fuel system damage or vehicle performance problems.***
- ***If drive ability problems are occur (poor hot starting, vaporizing, engine knock, etc.), discontinue the use.***
- ***Take care not to spill gasohol during refueling. Gasohol may cause paint damage.***

FUEL TANK CAPACITY

96 L (25.4 gal., 21.1 Imp. gal.)

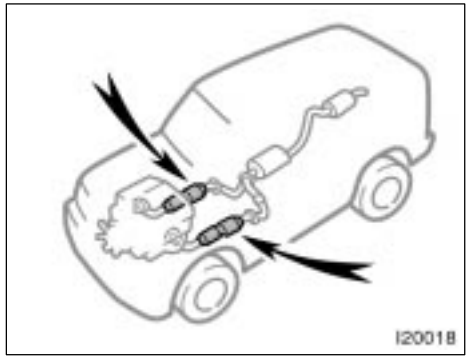
Operation in foreign countries

If you plan to drive your Toyota in another country...

First, comply with the vehicle registration laws.

Second, confirm the availability of the correct fuel (unleaded and minimum octane number).

Three- way catalytic converter



The three- way catalytic converter is the emission control devices installed in the exhaust system.

Its purpose is to reduce pollutants in the exhaust gas.

⚠ CAUTION

▶Keep people and combustible materials away from the exhaust pipe while the engine is running. The exhaust gas is very hot.

⚠ CAUTION

▶Do not idle or park your vehicle over anything that might burn easily such as grass, leaves, paper or rags.

NOTICE

A large amount of unburned gases flowing into the three- way catalytic converter may cause it to overheat and create a fire hazard. To prevent this and other damage, observe the following precautions:

- ***Use only unleaded gasoline.***
- ***Do not drive with an extremely low fuel level; running out of fuel could cause the engine to misfire, creating an excessive load on the three- way catalytic converter.***
- ***Do not allow the engine to run at idle speed for more than 20 minutes.***
- ***Avoid racing the engine.***
- ***Do not push- start or pull- start your vehicle.***
- ***Do not turn off the ignition while the vehicle is moving.***
- ***Keep your engine in good running order. Malfunctions in the engine electrical system, electric ignition system/distributor ignition system or fuel system could cause an extremely high three- way catalytic converter temperature.***
- ***If the engine becomes difficult to start or stalls frequently, take your vehicle in for a check- up as soon as possible. Remember, your Toyota dealer knows your vehicle and its three- way catalytic converter system best.***

◆ *To ensure that the three-way catalytic converter and the entire emission control system operate properly, your vehicle must receive the periodic inspections required by the Toyota Maintenance Schedule. For scheduled maintenance information, refer to the separate "Owner's Manual Supplement/Maintenance Schedule".*

Engine exhaust cautions

⚠ CAUTION

- **Avoid inhaling the engine exhaust. It contains carbon monoxide, which is a colorless and odorless gas. It can cause unconsciousness or even death.**
- **Make sure the exhaust system has no holes or loose connections. The system should be checked from time to time. If you hit something, or notice a change in the sound of the exhaust, have the system checked immediately.**
- **Do not run the engine in a garage or enclosed area except for the time needed to drive the vehicle in or out. The exhaust gases cannot escape, making this a particularly dangerous situation.**
- **Do not remain for a long time in a parked vehicle with the engine running. If it is unavoidable, however, do so only in an unconfined area and adjust the heating or cooling system to force outside air into the vehicle.**
- **Keep the back door and quarter windows closed while driving. An open or unsealed back door and quarter windows may cause exhaust gases to be drawn into the vehicle.**
- **To allow proper operation of your vehicle's ventilation system, keep the inlet grilles in front of the windshield clear of snow, leaves, or other obstructions.**
- **If you smell exhaust fumes in the vehicle, drive with the windows open and the back door closed. Have the cause immediately located and corrected.**

Facts about engine oil consumption

FUNCTIONS OF ENGINE OIL

Engine oil has the primary functions of lubricating and cooling the inside of the engine, and plays a major role in maintaining the engine in proper working order.

ENGINE OIL CONSUMPTION

It is normal that an engine should consume some engine oil during normal engine operation. The causes of oil consumption in a normal engine are as follows.

- Oil is used to lubricate pistons, piston rings and cylinders. A thin film of oil is left on the cylinder wall when a piston moves downwards in the cylinder. High negative pressure generated when the vehicle is decelerating sucks some of this oil into the combustion chamber. This oil as well as some part of the oil film left on the cylinder wall is burned by the high temperature combustion gases during the combustion process.
- Oil is also used to lubricate the stems of the intake valves. Some of this oil is sucked into the combustion chamber together with the intake air and is burned along with the fuel. High temperature exhaust gases also burn the oil used to lubricate the exhaust valve stems.

The amount of engine oil consumed depends on the viscosity of the oil, the quality of the oil and the conditions the vehicle is driven under.

More oil is consumed by high-speed driving and frequent acceleration and deceleration.

A new engine consumes more oil, since its pistons, piston rings and cylinder walls have not become conditioned.

When judging the amount of oil consumption, note that the oil may become diluted and make it difficult to judge the true level accurately.

As an example, if a vehicle is used for repeated short trips, and consumes a normal amount of oil, the dipstick may not show any drop in the oil level at all, even after 1000 km (600 miles) or more. This is because the oil is gradually becoming diluted with fuel or moisture, making it appear that the oil level has not changed.

The diluting ingredients evaporate out when the vehicle is then driven at high speeds, as on an expressway, making it appear that oil is excessively consumed after driving at high speeds.

IMPORTANCE OF ENGINE OIL LEVEL CHECK

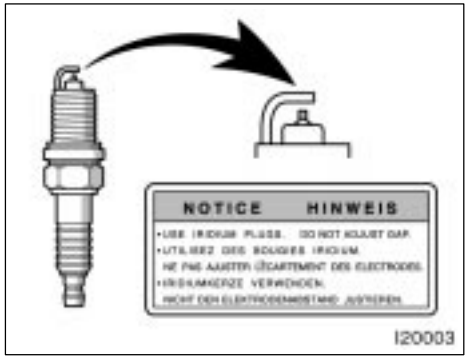
One of the most important points in proper vehicle maintenance is to keep the engine oil at the optimum level so that oil function will not be impaired. Therefore, it is essential that the oil level be checked regularly. Toyota recommends that the oil level be checked every time you refuel the vehicle.

NOTICE

Failure to check the oil level regularly could lead to serious engine trouble due to insufficient oil.

For detailed information on oil level check, see "Checking the engine oil level" in Chapter 7-2.

Iridium-tipped spark plugs



Your engine is fitted with iridium-tipped spark plugs.

NOTICE

Use only iridium-tipped spark spark plugs for your engine performance and smooth drivability.

Brake system

BRAKE SYSTEM

This brake system has two independent hydraulic circuits. If either circuit should fail, the other will still work. However, the pedal will be harder to press, and your stopping distance will be longer. Also, the brake system warning light may come on.

⚠ CAUTION

Do not drive your vehicle with only a single brake system. Have your brakes fixed immediately.

BRAKE BOOSTER

The brake booster uses brake fluid pressurized by the pump to power-assist the brakes. If the brake booster fails during driving, the brake system warning light comes on and buzzer sound continuously. In this case the brakes may not work properly. If they do not work well, depress the brake pedal firmly. If the brake system warning light comes on, immediately stop your vehicle and contact your Toyota dealer.

There may be the case that the brake system warning light stays on for about 60 seconds after the engine is started. It is normal if the light goes out after a while.

Depressing the brake pedal repeatedly may turn on the brake system warning light and buzzer It is normal if the light goes out and the buzzer stops sounding after a few seconds.

You may hear a small sound in the engine compartment after the engine is started or the brake brake pedal is depressed repeatedly. This is a pump pulsating sound of the brake system, and it is not a malfunction.

⚠ CAUTION

▶Do not pump the brake pedal if the engine stalls. Each push on the pedal uses up your brake fluid pressure reserve.

▶Even if the power assist is completely lost, the brakes will still work. But you will have to push the pedal hard—much harder than normal. And your braking distance will be longer.

ANTI-LOCK BRAKE SYSTEM (with "ABS" warning light)

The anti-lock brake system is designed to automatically help prevent lock-up of the wheels during sudden braking or braking on slippery road surfaces. This assists in providing directional stability and steering performance of the vehicle under these circumstances.

The anti-lock brake system becomes operative after the vehicle has accelerated to a speed in excess of approximately 10 km/h (6 mph). It stops operating when the vehicle decelerates to a speed below approximately 5 km/h (3 mph).

You may hear a sound in the engine compartment for a few seconds when the engine is started or just after the vehicle is started. This means that the anti-lock brake system is in the self check mode, and does not indicate a malfunction.

Effective way to press the "ABS" brake pedal: When the anti-lock brake system function is in action, you may feel the brake pedal pulsating and hear a noise. In this situation, to let the anti-lock brake system work for you, just hold the brake pedal down more firmly. Do not pump the brake. This will result in reduced braking performance.

The brake pedal pulsation caused by the anti-lock brake system may indicate hazardous road surface conditions. Although the anti-lock brake system assists in providing vehicle control, it is still important to drive with all due care, because the anti-lock brake system cannot overcome the laws of physics that act on your vehicle:

▶Braking capability is dependent on tire friction with the road surface.

▶Even though the anti-lock brake system is operating, a driver cannot maintain full control on certain slippery road surfaces, when cornering at high speeds, or in violent maneuvers.

▶Avoid high speeds on wet roads. The anti-lock brake system cannot eliminate the risk of hydroplaning and loss of tire friction.

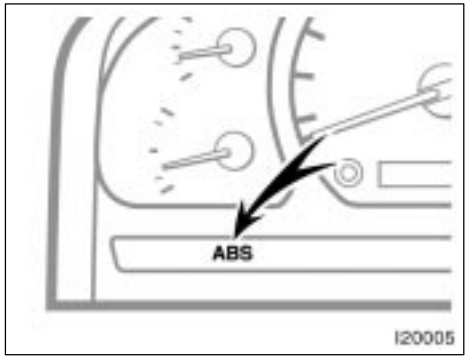
Always maintain a safe distance from the vehicle in front of you. Compared with vehicles not fitted with an anti-lock brake system, your vehicle may require a longer stopping distance in the following cases:

- Driving on rough, gravel or snow-covered roads.
- Driving with tire chains installed.
- Driving on roads where the road surface is pitted or has other differences in surface height.

⚠ CAUTION

Do not use tires other than the manufacturer's designated tires, and do not mix tires or wheels of different sizes. You may prevent the anti-lock brake system from operating at full effectiveness.

Vehicles with rear differential lock system—The anti-lock brake system does not operate when the rear differential is locked. It is normal operation for the "ABS" warning light to be on at this time.



"ABS" WARNING LIGHT

This light comes on when the ignition key is turned to the "ON" position. After a few seconds, the light will go off. There may be the case that the "ABS" warning light stays on for about 60 seconds after the engine is started. It is normal if the light goes out after a while.

Depressing the brake pedal repeatedly may turn on the light. It is normal if it goes off after about a few seconds.

When the light is on with the rear differential locked, it indicates the anti-lock brake system will not operate.

If any of the following conditions occurs, this indicates a malfunction somewhere in the parts monitored by the warning light system. Contact your Toyota dealer as soon s possible to service the vehicle.

- The light does not come on as described above, or remains on.
- The light comes on while driving with the rear differential unlocked.
- The light does not come on with the rear differential locked.
- The system comes into operation with the rear differential locked.

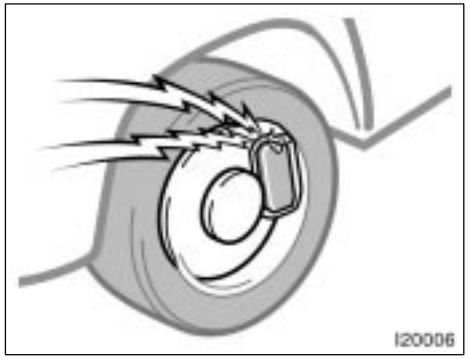
Even if the anti-lock brake system should fail, the brake system will still operate conventionally. However, when the "ABS" warning light is on (and the brake system warning light is off), the anti-lock brake system is not assisting brake performance so that the wheels can lock-up during sudden braking or braking on slippery road surface. Have your vehicle checked by your Toyota dealer as soon as possible.

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 drums are replaced.

Have your Toyota dealer perform the bedding- down.

Brake pad wear limit indicators



The brake pad wear limit indicators on your disc brakes give a warning noise when the brake pads are worn to where replacement is required.

If you hear a squealing or scraping noise while driving, have the brake pads checked and replaced by your Toyota dealer as soon as possible. Expensive rotor damage can result if the pads are not replaced when necessary.

Luggage stowage precautions

When stowing luggage or cargo in or on the vehicle, observe the following:

- Put luggage or cargo in the luggage compartment when at all possible. Be sure all items are secured in place.
- Be careful to keep the vehicle balanced. Locating the weight as far forward as possible helps maintain the balance.
- For better fuel economy, do not carry unneeded weight.

⚠ CAUTION

- **To prevent luggage or packages from sliding forward during braking, do not stack anything in the luggage compartment higher than the seatbacks.**
- **Do not place anything on the flattened seat or it may slide forward during braking.**

▶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 serious bodily injury, in the event of sudden braking or a collision.

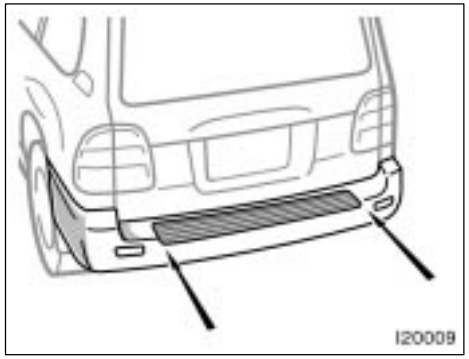
▶Do not place anything on the luggage cover. Such items may be thrown about and possibly injure people in the vehicle during sudden braking or an accident. Secure all items in a safe place.

▶Do not drive with objects left on top of the instrument panel. They may interfere with the driver's field of view. Or they may move during sharp vehicle acceleration or turning, and impair the driver's control of the vehicle. In an accident they may injure the vehicle occupants.

NOTICE

Do not load the vehicle beyond the vehicle capacity weight given in Part 8.

Rear step bumper



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

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

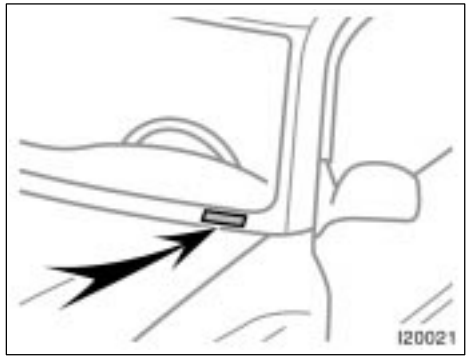
⚠ CAUTION

▶Do not allow more than one person to get on the rear step bumper at a time. It is designed for only one person.

▶Never drive the vehicle with anyone on the rear step bumper.

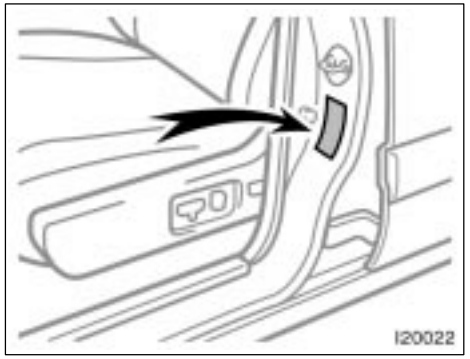
Your Toyota's identification—

—Vehicle identification number



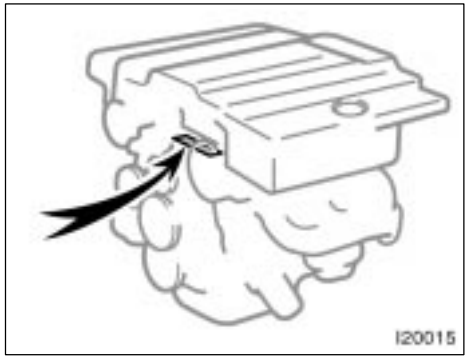
The vehicle identification number (VIN) is the legal identifier for your vehicle. This number is on the left top of the instrument panel, and can be seen through the windshield from outside.

This is the primary identification number for your Toyota. It is used in registering the ownership of your vehicle.



The vehicle identification number (VIN) is also on the Certification Label.

—Engine number



The engine number is stamped on the engine block as shown.

Theft prevention labels

Your new vehicle carries theft prevention labels which are approximately 56 mm (2.20 in.) by 16 mm (0.63 in.).

The purpose of these labels is to reduce the incidence of vehicle thefts by facilitating the tracing and recovery of parts from stolen vehicles. The label is designed so that once it is applied to a surface, any attempt to remove it will result in destroying the integrity of the label. Transferring these labels intact from one part to another, will be impossible.

NOTICE

You should not attempt to remove the theft prevention labels as it may violate certain state or federal laws.

Suspension and chassis

⚠ CAUTION

Do not modify the suspension/chassis with lift kits, spacers, springs, etc. It can cause dangerous handling characteristics, resulting in loss of control.

Types of tires

Determine what kind of tires your vehicle is originally equipped with.

1. Summer tires

Summer tires are high-speed capability tires best suited to highway driving under dry conditions.

Since summer tires do not have the same traction performance as snow tires, summer tires are inadequate for driving on snow-covered or icy roads. For driving on snow-covered or icy roads, we recommend using snow tires. If installing snow tires, be sure to replace all four tires.

2. All season tires

All season tires are designed to provide better traction in snow and to be adequate for driving in most winter conditions, as well as for use all year round.

All season tires, however, do not have adequate traction performance compared with snow tires in heavy or loose snow. Also, all season tires fall short in acceleration and handling performance compared with summer tires in highway driving.

⚠ CAUTION

- **Do not mix summer and all season tires on your vehicle as this can cause dangerous handling characteristics, resulting in loss of control.**
- **Do not use tire other than the manufacturer's designated tires, and never mix tires or wheels of the sizes different from the originally equipped tires and wheels.**

Part 3
STARTING AND DRIVING

Before starting the engine

1. Check the area around the vehicle before entering it.
2. Adjust seat position, seatback angle, head restraint height and steering wheel angle.
3. Adjust inside and outside rear view mirrors.
4. Lock all doors.
5. Fasten seat belts.

How to start the engine– (a) Before cranking

1. Apply the parking brake firmly.
2. Turn off unnecessary lights and accessories.
3. Put the selector lever in ”P”. If you need to restart the engine while the vehicle is moving, put the selector lever in ”N”. A starter safety device will prevent the starter from operating if the selector lever is in any drive position.
4. Depress the brake pedal and hold it to the floor until driving off.

(b) Starting the engine

Before starting the engine, be sure to follow the instructions in "(a) Before cranking".

Normal starting procedure

The multiport fuel injection system/sequential multiport fuel injection system in your engine automatically controls the proper air-fuel mixture for starting. You can start a cold or hot engine as follows:

1. With your foot off the accelerator pedal, crank the engine by turning the key to "START". Release it when the engine starts.
2. After the engine runs for about 10 seconds, you are ready to drive.

   If the weather is below freezing, let the engine warm up for a few minutes before driving.

If the engine stalls...

Simply restart it, using the correct procedure given in normal starting.

If the engine will not start...

See "If your vehicle will not start" in Part 4.

NOTICE

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

Tips for driving in various conditions

- Always slow down in gusty crosswinds. This will allow you much better control.
- Drive slowly onto curbs and, if possible, at a right angle. Avoid driving onto high, sharp-edged objects and other road hazards. Failure to do so can lead to severe tire damage resulting in tire bursts.
- When parking on a hill, turn the front wheels until they touch the curb so that the vehicle will not roll. Apply the parking brake, and place the transmission in "P". If necessary, block the wheels.
- Washing your vehicle or driving through deep water may get the brakes wet. To see whether they are wet, check that there is no traffic near you, and then press the pedal lightly. If you do not feel a normal braking force, the brakes are probably wet. To dry them, drive the vehicle cautiously while lightly pressing the brake pedal with the parking brake pulled. If they still do not work safely, pull to the side of the road and call a Toyota dealer for assistance.

⚠ CAUTION

- **Before driving off, make sure the parking brake is fully released and the parking brake reminder light is off.**
- **Do not leave your vehicle unattended while the engine is running.**
- **Do not rest your foot on the brake pedal while driving. It can cause dangerous overheating, needless wear, and poor fuel economy.**
- **To drive down a long or steep hill, reduce your speed and downshift. Remember, if you ride the brakes excessively, they may overheat and not work properly.**
- **Be careful when accelerating, upshifting, downshifting or braking on a slippery surface. Sudden acceleration or engine braking could cause the vehicle to spin or skid.**

- **Do not drive in excess of the speed limit. Even if the legal speed limit permits it, do not drive over 140 km/h (85 mph) unless your vehicle has high-speed capability tires. Driving over 140 km/h (85 mph) may result in tire failure, loss of control and possible injury. Be sure to consult a tire dealer to determine whether the tires on your vehicle are high-speed capability tires or not before driving at such speeds.**
- **Do not continue normal driving when the brakes are wet. If they are wet, your vehicle will require a longer stopping distance, and it may pull to one side when the brakes are applied. Also, the parking brake will not hold the vehicle securely.**

Off-road driving precautions

When driving your vehicle off-road, please observe the following precautions to ensure your driving enjoyment and to help prevent the closure of areas to off-road vehicles.

a. Drive your vehicle only in areas where off-road vehicles are permitted to travel.

b. Respect private property. Get owner's permission before entering private property.

c. Do not enter areas that are closed. Honor gates, barriers and signs that restrict travel.

d. Stay on established roads. When conditions are wet, driving techniques should be changed or travel delayed to prevent damage to roads.

For owners in U.S. mainland, Hawaii and Puerto Rico:

To obtain additional information pertaining to driving your vehicle off-road, consult the following organizations.

- State and Local Parks and Recreation Departments
- State Motor Vehicle Bureau
- Recreational Vehicle Clubs
- U.S. Forest Service and Bureau of Land Management

⚠ CAUTION

Always observe the following precautions to minimize the risk of serious personal injury or damage to your vehicle:

- **Drive carefully when off the road. Do not take unnecessary risks by driving in dangerous places.**
- **Do not grip the steering wheel spokes when driving off-road. A bad bump could jerk the wheel and injure your hands. Keep both hands and especially your thumbs on the outside of the rim.**
- **Always check your brakes for effectiveness immediately after driving in sand, mud, water or snow.**
- **After driving through tall grass, mud, rock, sand, rivers, etc., check that there is no grass, bush, paper, rags, stone, sand, etc. adhering or trapped on the underbody. If the vehicle is used with these materials trapped or adhered to the underbody, this condition may reach a point where a breakdown or fire could occur.**
- **The driver and all passengers should fasten their seat belts whenever the vehicle is moving.**

NOTICE

- ***If driving through water, such as when crossing shallow streams, first check the depth of the water and the bottom of the river bed for firmness. Drive slowly and avoid deep water.***
- ***Take all necessary safety measures to ensure that water damage to the engine or other components does not occur.***

  Water entering the engine air intake will cause severe engine damage.

  Water can wash the grease from wheel bearings, causing rusting and premature failure, and may also enter the differentials, transmission and transfer case, reducing the gear oil's lubricating qualities.
- ***Sand and mud that has accumulated in brake drums and around brake discs may affect braking efficiency and may damage brake system components.***
- ***Always perform a maintenance inspection after each day of off-road driving that has taken you through sand, mud, or water. For scheduled maintenance information, refer to the separate "Owner's Manual Supplement/Maintenance Schedule".***

Winter driving tips

Make sure you have ethylene-glycol antifreeze in the radiator.

NOTICE
Do not use alcohol type coolant.

Check the condition of the battery and cables.

Cold temperatures reduce the capacity of any battery, so it must be in top shape to provide enough power for winter starting. Chapter 7-3 tells you how to visually inspect the battery. Your Toyota dealer and most service stations will be pleased to check the level of charge.

Make sure the engine oil viscosity is suitable for the cold weather.

See Chapter 7-2 for recommended viscosity. Leaving a heavy summer oil in your vehicle during winter months may cause harder starting. If you are not sure about which oil to use, call your Toyota dealer–he will be pleased to help.

Keep the door locks from freezing.

Squirt lock de-icer or glycerine into the locks to keep them from freezing.

Use a washer fluid containing an antifreeze solution.

This product is available at your Toyota dealer and most auto parts stores. Follow the manufacturer's directions for how much to mix with water.

NOTICE
Do not use engine antifreeze or any other substitute as washer fluid because it may damage your vehicle's paint.

Do not use your parking brake when there is a possibility it could freeze.

When parking, put the transmission into "P" and block the front wheels. Do not use the parking brake, or snow or water accumulated in and around the parking brake mechanism may freeze, making it hard to release.

Keep ice and snow from accumulating under the fenders.

Ice and snow built up under your fenders can make steering difficult. During bad winter driving, stop and check under the fenders occasionally.

Depending on where you are driving, we recommend you carry some emergency equipment.

Some of the things you might put in the vehicle are tire chains, window scraper, bag of sand or salt, flares, small shovel, jumper cables, etc.

Trailer towing

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 driving economy (fuel consumption, etc.). Your safety and satisfaction depend on the proper use of correct equipment and cautious driving habits. For your safety and the safety of others, you must not overload your vehicle or trailer. Ask your local Toyota dealer for further details before towing.

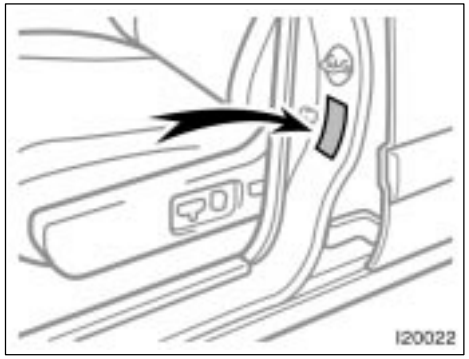
WEIGHT LIMITS

Before towing, make sure the total trailer weight, gross combination weight, gross vehicle weight, gross axle weight and trailer tongue load are all within the limits.

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

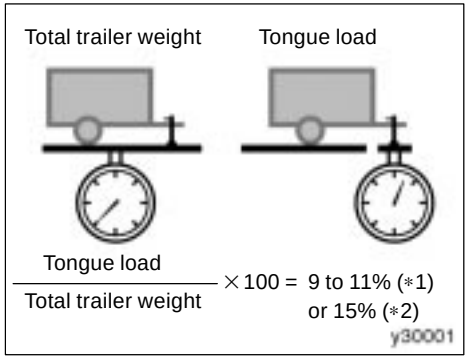
⚠ CAUTION

- **The total trailer weight (trailer weight plus its cargo load) must not exceed 2948 kg (6500 lb.). Exceeding this weight is dangerous. If towing a trailer over 907 kg (2000 lb.), it is necessary to use a sway control device with a sufficient capacity.**
- **The gross combination weight (sum of your vehicle weight plus its load and the total trailer weight) must not exceed 5625 kg (12400 lb.).**



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

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



▶The trailer cargo load should be distributed so that the tongue load is 9 to 11% for weight carrying hitch (∗1) or 15% for weight distributing hitch (∗2) of the total trailer weight, not exceeding the maximum load of the following.

Weight carrying hitch
295 kg (650 lb.)
Weight distributing hitch
442 kg (975 lb.)

Never load the trailer with more weight in the back than in the front. About 60% of the trailer load should be in the front half of the trailer and the remaining 40% in the rear.

HITCHES

▶If you wish to install a trailer hitch, you should consult with your Toyota dealer.

▶Use only a hitch recommended by the hitch manufacturer and the one which conforms to the total trailer weight requirement.

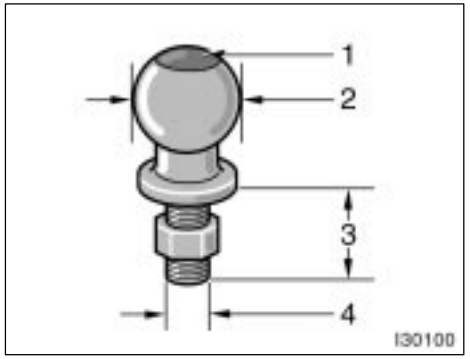
▶The hitch must be bolted securely to the vehicle frame and installed according to the hitch manufacturer's instructions.

▶The hitch ball and king pin should have a light coat of grease.

▶Toyota recommends removing the trailer hitch whenever you are not towing a trailer to reduce the possibility of additional damage caused by the hitch if your vehicle is struck from behind. After removing the hitch, seal any mounting holes in the vehicle body to prevent entry of pollutants such as exhaust fumes, dirt, water, etc.

NOTICE

Do not use axle-mounted hitches as they can cause damage to the axle housing, wheel bearings, wheels or tires. Also, never install a hitch which may interfere with the normal function of an Energy Absorbing Bumper, if so equipped.



1 Trailer ball load rating
2 Ball diameter
3 Shank length
4 Shank diameter

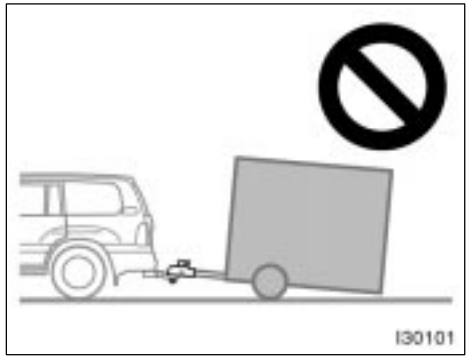
TRAILER BALL

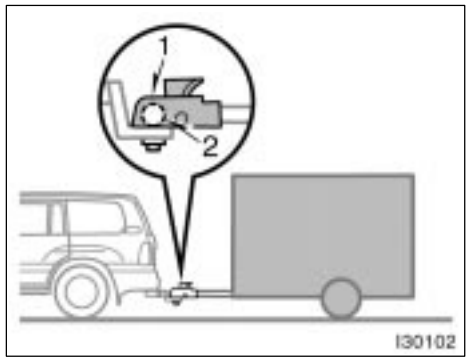
Follow these easy steps to properly determine the correct trailer ball for your application:

1. Determine the correct trailer ball size for the trailer coupler. Most couplers are stamped with the required trailer ball size. The sizes you will most likely find stamped on the coupler are:

Trailer Class	Typical Trailer Ball Size
III	2—5/16 in.
II	2 in.
I	1—7/8 in.

2. Select the appropriate trailer ball to match or exceed the gross trailer weight rating of the trailer. The trailer ball load rating should be printed on the top of the ball.
3. When mounted in the ball mount, the threaded ball shank must protrude beyond the bottom of the lock washer and nut at least 2 threads. The trailer ball shank must be matched to the ball mount hole diameter size





1 Coupler
2 Trailer ball

MATCHING TRAILER BAIL HEIGHT TO TRAILER COUPLER HEIGHT

No matter which class of tow hitch applies, for a safe trailer hookup, the trailer ball setup on must be the proper height for the coupler on the trailer.

BRAKES AND SAFETY CHAINS

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

▶A safety chain must always be used between the towing vehicle and the trailer. Leave sufficient slack in the chain for turns. The chain should cross under the trailer tongue to prevent the tongue from dropping to the ground in case it becomes damaged or separated. For correct safety chain procedures, follow the hitch or trailer manufacturer's recommendations.

⚠ CAUTION

▶If the total trailer weight exceeds 453 kg (1000 lb.), trailer brakes are required.

▶Never tap into your vehicle's hydraulic system as it would lower its braking effectiveness.

▶Never tow a trailer without using a safety chain securely attached to both the trailer and the vehicle. If damage occurs to the coupling unit or hitch ball, there is danger of the trailer wandering over into another lane.

TIRES

▶Ensure that your vehicle's tires are properly inflated. Adjust the tire pressure indicated below:

Tire pressure, kPa (kgf/cm^2 or bar, psi)
Front 220 (2.2, 32)
Rear 240 (2.4, 35)

▶The trailer tires should be inflated to the pressure recommended by the trailer manufacturer in respect to the total trailer weight.

TRAILER LIGHTS

▶Trailer lights must comply with federal, state/provincial and local regulations. See your local recreational vehicle dealer or rental agency for the correct type of wiring and relays for your trailer. Check for correct operation of the turn signals and stop lights each time you hitch up. Direct splicing may damage your vehicle's electrical system and cause a malfunction of your lights.

BREAK-IN SCHEDULE

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

MAINTENANCE

▶If you tow a trailer, your vehicle will require more frequent maintenance due to the additional load. For this information, please refer to the scheduled maintenance information in the "Owner's Manual Supplement/Maintenance Schedule".

▶Retighten all fixing bolts of the towing ball and bracket after approximately 1000 km (600 miles) of trailer driving.

PRE-TOWING SAFETY CHECK

▶Check that your vehicle remains level when a loaded or unloaded trailer is hitched. Do not drive if the vehicle has an abnormal nose-up or nose-down condition, and check for improper tongue load, overload, worn suspension or other possible causes.

▶Make sure the trailer cargo is securely loaded so that it cannot shift.

▶Check that your rear view mirrors conform to any applicable federal, state/provincial or local regulation. If not, install the rear view mirrors required for towing purpose.

TRAILER TOWING TIPS

When towing a trailer, your vehicle will handle differently than when not towing. The three main causes of vehicle-trailer accidents are driver error, excessive speed and improper trailer loading. Keep these in mind when towing:

▶Before starting out, check operation of the lights and all vehicle-trailer connections. After driving a short distance, stop and recheck the lights and connections. Before actually towing a trailer, practice turning, stopping and backing with a trailer in an area away from traffic until you learn the feel.

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

- Avoid jerky starts or sudden acceleration.
- Avoid jerky steering and sharp turns. The trailer could hit your vehicle in a tight turn. Slow down before making a turn to avoid the necessity of sudden braking.
- Remember that when making a turn, the trailer wheels will be closer than the vehicle wheels to the inside of the turn. Therefore, compensate for this by making a larger than normal turning radius with your vehicle.
- Backing with a trailer is difficult and requires practice. Grip the bottom of the steering wheel and move your hand to the left to move the trailer to the left. Move your hand to the right to move the trailer to the right. (This procedure is generally opposite to that when backing without a trailer). Also, just turn the steering wheel a little at a time, avoiding sharp or prolonged turning. Have someone guide you when backing to reduce the risk of an accident.
- Crosswinds and rough roads will adversely affect handling of your vehicle and trailer, causing sway. Pay attention to the rear from time to time to prepare yourself for being passed by large trucks or buses, which may cause your vehicle and trailer to sway. If swaying happens, firmly grip the steering wheel and reduce speed immediately but gradually. Never increase speed. Steer straight ahead. If you make no extreme correction with the steering or brakes, the vehicle and trailer will stabilize itself.
- Be careful when passing other vehicles. Passing requires considerable distance. After passing a vehicle, do not forget the length of your trailer and be sure you have plenty of room before changing lanes.
- In order to maintain engine braking efficiency, do not use the ”D” position.
- Because of the added load of the trailer, your vehicle’s engine may overheat on hot days (at temperatures over 30°C [85°F]) when going up a long or steep grade with a trailer. If the engine coolant temperature gauge indicates overheating, immediately turn off the air conditioning (if in use), pull off the road and stop in a safe spot. Refer to ”If your vehicle overheats” in Part 4 of this manual.
- Always place wheel blocks under both the vehicle and trailer wheels when parking. Apply the parking brake firmly. Put the transmission in ”P”. Avoid parking on a slope with a trailer, but if it cannot be avoided, do so only after performing the following:
  1. Apply the brakes and hold.
  2. Have someone place wheel blocks under both the vehicle and trailer wheels.
  3. When the wheel blocks are in place, release your brakes slowly until the blocks absorb the load.
  4. Apply the parking brake firmly.
  5. Shift into ”P” and turn off the engine.

When restarting out after parking on a slope:

1. With the transmission in ”P” position, start the engine. Be sure to keep the brake pedal depressed.
2. Shift into the ”2”, ”L” or ”R” position.
3. Release the parking brake and brake pedal and slowly pull or back away from the wheel blocks. Stop and apply your brakes.
4. Have someone retrieve the blocks.

⚠ CAUTION

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

How to save fuel and make your vehicle last longer, too

Getting more kilometers/mileage from a liter/gallon of fuel is easy–just take it easy. It will help make your vehicle last longer, too. Here are some specific tips on how to save money on both fuel and repairs:

- **Keep your tires inflated at the correct pressure.** Underinflation causes tire wear and wastes fuel. See Chapter 7-2 for instructions.
- **Do not carry unneeded weight in your vehicle.** Excess weight puts a heavier load on the engine, causing greater fuel consumption.
- **Avoid lengthy warm-up idling.** Once the engine is running smoothly, begin driving—but gently. Remember, however, that on cold winter days this may take a little longer.
- **Accelerate slowly and smoothly.** Avoid jackrabbit starts.
- **Avoid long engine idling.** If you have a long wait and you are not in traffic, it is better to turn off the engine and start again later
- **Avoid engine overrevving.** Use a gear position suitable for the road on which you are travelling

- **Avoid continuous speeding up and slowing down.** Stop-and-go driving wastes fuel.
- **Avoid unnecessary stopping and braking.** Maintain a steady pace. Try to time the traffic signals so you only need to stop as little as possible or take advantage of through streets to avoid traffic lights. Keep a proper distance from other vehicles to avoid sudden braking. This will also reduce wear on your brakes.
- **Avoid heavy traffic or traffic jams whenever possible.**
- **Do not rest your foot on the brake pedal.** This causes needless wear, overheating and poor fuel economy.
- **Maintain a moderate speed on highways.** The faster you drive, the greater the fuel consumption. By reducing your speed, you will cut down on fuel consumption.
- **Keep the front wheels in proper alignment.** Avoid hitting the curb and slow down on rough roads. Improper alignment not only causes faster tire wear but also puts an extra load on the engine, which, in turn, wastes fuel.
- **Keep the bottom of your vehicle free from mud, etc.** This not only lessens weight but also helps prevent corrosion.
- **Keep your vehicle tuned-up and in top shape.** A dirty air cleaner, improper valve clearance, dirty plugs, dirty oil and grease, brakes not adjusted, etc. all lower engine performance and contribute to poor fuel economy. For longer life of all parts and lower operating costs, keep all maintenance work on schedule, and if you often drive under severe conditions, see that your vehicle receives more frequent maintenance (For scheduled maintenance information, please refer to the separate "Owner's Manual Supplement/Maintenance Schedule").

⚠ CAUTION

Never turn off the engine to coast down hills. Your power steering and brake booster will not function without the engine running. Also, the emission control system operates properly only when the engine is running.

Part 4
IN CASE OF AN EMERGENCY

If your vehicle will not start—
(a) Simple checks

Before making these checks, make sure you have followed the correct starting procedure given in "How to start the engine" in Part 3 and that you have sufficient fuel. Also check whether the other keys will start the engine. If they work, your key may be broken. Have the key checked at your Toyota dealer. If none of your keys work, the system is possibly broken. Call your Toyota dealer. (See "Keys" in Chapter 1-2.)

If the engine is not turning over or is turning over too slowly—

1. Check that the battery terminals are tight and clean.
2. If the battery terminals are O.K., switch on the interior light.
3. If the light is out, dim or goes out when the starter is cranked, the battery is discharged. You may try jump starting. See "(c) Jump starting" for further instructions.

If the light is O.K., but the engine still will not start, it needs adjustment or repair. Call a Toyota dealer or qualified repair shop.

NOTICE

Do not pull- or push-start the vehicle. It may damage the vehicle or cause a collision when the engine starts. Also the three-way catalytic converter may overheat and become a fire hazard.

If the engine turns over at its normal speed but will not start—

1. Check that all the push- on connectors are tight. (For example, connections at the spark plugs, ignition coil and/or distributor)
2. If the connectors are O.K., the engine may be flooded because of repeated cranking. See "(b) Starting a flooded engine" for further instructions.

(b) Starting a flooded engine

If the engine will not start, your engine may be flooded because of repeated cranking.

If this happens, turn the key to "START" with the accelerator pedal held down. Keep the key and accelerator pedal so for 15 seconds and release them. Then try starting the engine with your foot off the accelerator peal.

If the engine does not start after 15 seconds of cranking, release the key, wait a few minutes and try again.

If the engine still will not start, it needs adjustment or repair. Call a Toyota dealer or qualified repair shop for assistance.

NOTICE

Do not crank for more than 30 seconds at a time. This may overheat the starter and wiring systems.

(c) Jump starting

To avoid serious personal injury and damage to your vehicle which might result from battery explosion, acid burns, electrical burns, or damaged electronic components, these instructions must be followed precisely.

If you are unsure about how to follow this procedure, we strongly recommend that you seek the help of a competent mechanic or towing service.

⚠ CAUTION

▶Batteries contain sulfuric acid which is poisonous and corrosive. Wear protective safety glasses when jump starting, and avoid spilling acid on your skin, clothing, or vehicle.

▶If you should accidentally get acid on yourself or in your eyes, remove any contaminated clothing and flush the affected area with water immediately. Then get immediate medical attention. If possible, continue to apply water with a sponge or cloth while enroute to the medical office.

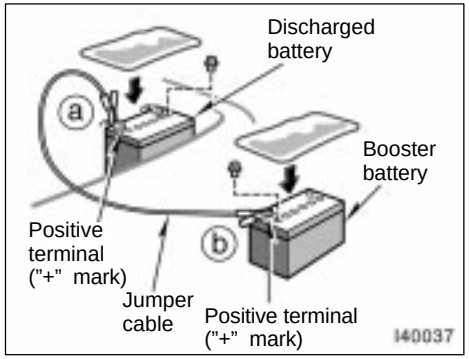
▶The gas normally produced by a battery will explode if a flame or spark is brought near. Use only standardized jumper cables and do not smoke or light a match while jump starting.

NOTICE

The battery used for boosting must be 12 V. Do not jump start unless you are sure that the booster battery is correct.

JUMP STARTING PROCEDURE

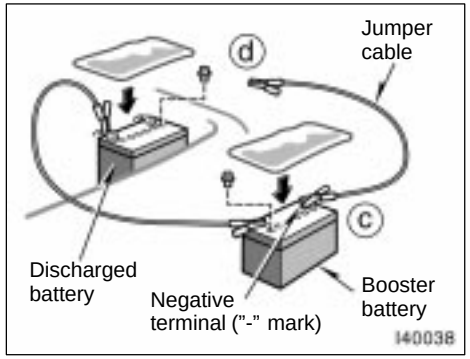
1. If the booster battery is installed in another vehicle, make sure the vehicles are not touching. Turn off all unnecessary lights and accessories.
2. If required, remove all the vent plugs from the booster and discharged batteries. Lay a cloth over the open vents on the batteries. (This helps reduce the explosion hazard, personal injuries and burns.)
3. If the engine in the vehicle with the booster battery is not running, start it and let it run for a few minutes. During jump starting run the engine at about 2000 rpm with the accelerator pedal lightly depressed.



4. Make the cable connections in the order a, b, c, d.

   a. Connect the clamp of the positive (red) jumper cable to the positive (⊕) terminal on the discharged battery.

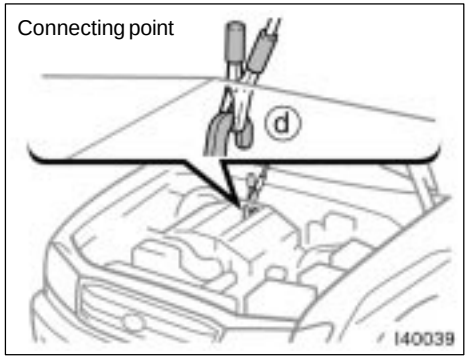
   b. Connect the clamp at the other end of the positive (red) jumper cable to the positive (⊕) terminal on the booster battery.



c. Connect the clamp of the negative (black) jumper cable to the negative (-) terminal on the booster battery.

d. Connect the clamp at the other end of the negative (black) jumper cable to a solid, stationary, unpainted, metallic point of the vehicle with the discharged battery.

The recommended connecting point is shown in the following illustration:



Do not connect the cable to or near any part that moves when the engine is cranked.

⚠ CAUTION

When making the connections, to avoid serious injury, do not lean over the battery or accidentally let the jumper cables or clamps touch anything except the correct battery terminals or the ground.

5. Start your engine in the normal way. After starting, run it at about 2000 rpm for several minutes with the accelerator pedal lightly depressed.
6. Carefully disconnect the cables in the exact reverse order: the negative cable and then the positive cable.
7. Carefully dispose of the battery cover cloths—they may now contain sulfuric acid.
8. If removed, replace all the battery vent plugs.

If the cause of your battery discharging is not apparent (for example, lights left on), you should have it checked.

If your engine stalls while driving

If your engine stalls while driving...

1. Reduce your speed gradually, keeping a straight line. Move cautiously off the road to a safe place.
2. Turn on your emergency flashers.
3. Try starting the engine again.

If the engine will not start, see "If your vehicle will not start".

⚠ CAUTION

If the engine is not running, the power assist for the brakes and steering will not work so steering and braking will be much harder than usual.

If your vehicle overheats

If your engine coolant temperature gauge indicates overheating, if you experience a loss of power, or if you hear a loud knocking or pinging noise, the engine has probably overheated. You should follow this procedure...

1. Pull safely off the road, stop the vehicle and turn on your emergency flashers. Put the transmission in "P" and apply the parking brake. Turn off the air conditioning if it is being used.
2. If coolant or steam is boiling out of the radiator or reservoir, stop the engine. Wait until the steam subsides before opening the hood. If there is no coolant boiling over or steam, leave the engine running.

⚠ CAUTION

To help avoid personal injury, keep the hood closed until there is no steam. Escaping steam or coolant is a sign of very high pressure.

3. Visually check to see if the engine drive belt (fan belt) is broken or loose. Look for obvious coolant leaks from the radiator, hoses, and under the vehicle. However, note that water draining from the air conditioning is normal if it has been used.

⚠ CAUTION

When the engine is running, keep hands and clothing away from the moving fan and engine drive belts.

4. If the engine drive belt is broken or the coolant is leaking, stop the engine immediately. Call a Toyota dealer for assistance.
5. If the engine drive belt is O.K. and there are no obvious leaks, you may help the engine cool down more quickly by running it at about 1500 rpm for a few minutes with the accelerator pedal lightly depressed.
6. Check the coolant reservoir. If it is dry, add coolant to the reservoir while the engine is running. Fill it about half full.

⚠ CAUTION

Do not attempt to remove the radiator cap when the engine and radiator are hot. Serious injury could result from scalding hot fluid and steam blown out under pressure.

7. After the engine coolant temperature has cooled to normal, again check the coolant level in the reservoir. If necessary, bring it up to half full again. Serious coolant loss indicates a leak in the system. You should have it checked as soon as possible at your Toyota dealer.

If you have a flat tire—

1. Reduce your speed gradually, keeping a straight line. Move cautiously off the road to a safe place well away from the traffic. Avoid stopping on the center divider of a highway. Park on a level spot with firm ground.
2. Stop the engine and turn on your emergency flashers.
3. Firmly set the parking brake and put the transmission in "P".
4. Have everyone get out of the vehicle on the side away from traffic.
5. Read the following instructions thoroughly.

⚠ CAUTION

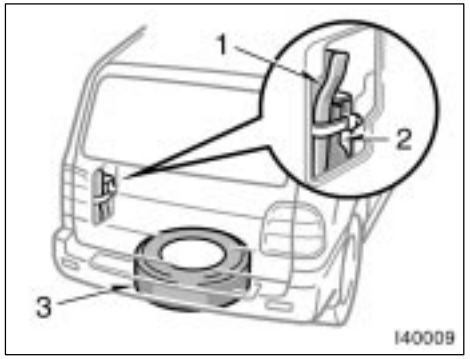
When jacking, be sure to observe the following to reduce the possibility of personal injury:

- **Follow jacking instructions.**
- **Do not start or run the engine while your vehicle is supported by the jack.**
- **Stop the vehicle on a level firm ground, firmly set the parking brake and put the transmission in reverse. Block the wheel diagonally opposite to the one being changed if necessary.**
- **Make sure to set the jack properly in the jack point. Raising the vehicle with jack improperly positioned will damage the vehicle or may allow the vehicle to fall off the jack and cause personal injury.**
- **Never get under the vehicle when the vehicle is supported by the jack alone.**
- **Use the jack only for lifting your vehicle during wheel changing.**
- **Do not raise the vehicle with someone in the vehicle.**
- **When raising the vehicle, do not put an object on or under the jack.**
- **Raise the vehicle only high enough to remove and change the tire.**

—Required tools and spare tire

NOTICE

Do not continue driving with a deflated tire. Driving even a short distance can damage a tire beyond repair.

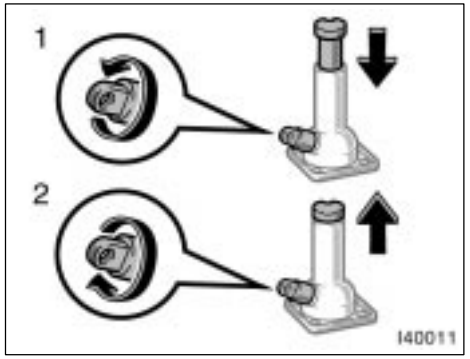


1. Get the required tools and spare tire.

1 Tool bag
2 Jack
3 Spare tire

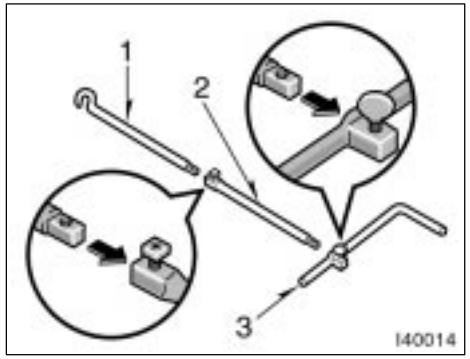
To prepare yourself for an emergency, you should familiarize yourself with the use of the jack, each of the tools and their storage locations.

When storing the jack, put it in place and secure to prevent it from flying forward during a collision or sudden braking.



Turn the jack joint by hand.

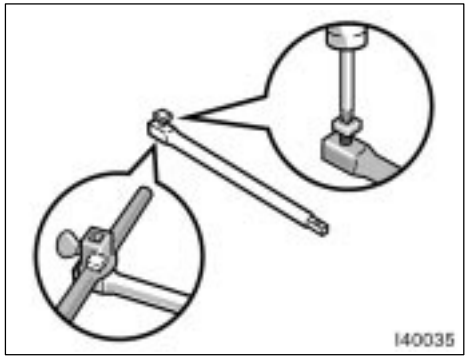
To remove: Turn the joint in direction 1 until the jack is free.
To store: Turn the joint in direction 2 until the jack is firmly secured to prevent it flying forward during a collision or sudden braking.



To remove the spare tire under the luggage compartment:

1. Put a jack handle, jack handle extensions and jack handle end together as shown in the illustration.

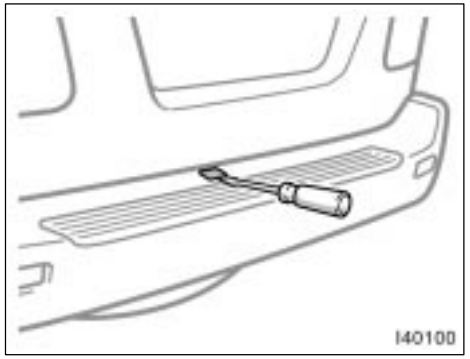
   1 Jack handle end
   2 Jack handle extension
   3 Jack handle



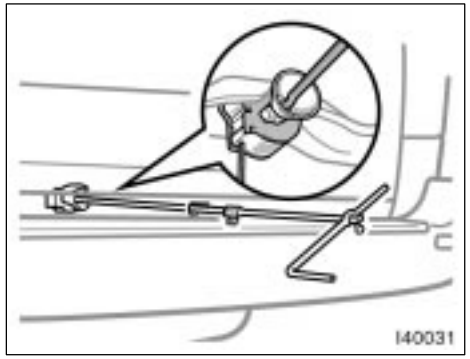
When connecting a jack handle extension with a jack handle end, use a Phillips-head screwdriver or jack handle to tighten the bolts on the joints as shown in the illustration. When connecting the jack handle with extension, tighten the wing bolt on the joint securely. Make sure that the hallow meets the bolt on every joint when you tighten the bolts.

NOTICE

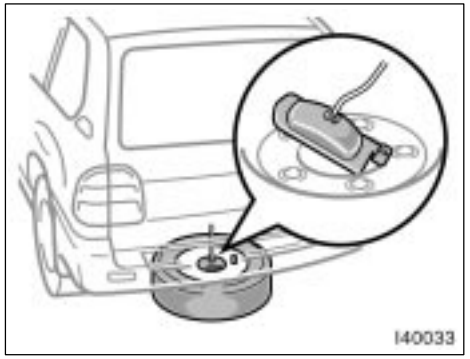
Tighten all the joints securely. Otherwise, the extension may come off and it may damage the paint or vehicle body.



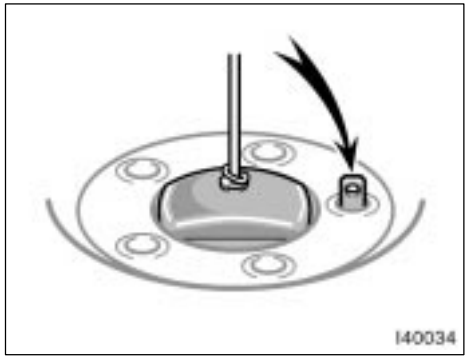
2. Remove the access hole cover on the rear bumper with a flat-blade screwdriver.



3. Insert the jack handle end into the lowering screw through the access hole and turn it counterclockwise with pushing it to the front lightly.



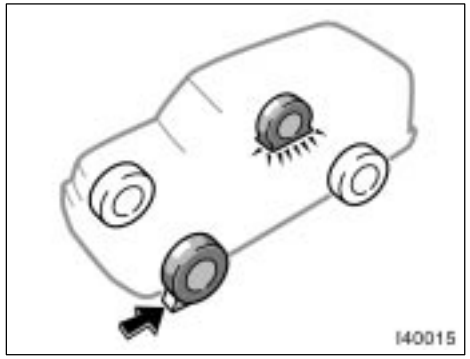
4. After the tire is lowered completely to the ground, remove the holding bracket as shown in the illustration.



When storing the spare tire, put it in place with the outer side of the wheel facing up and hook the holding bracket as shown in the illustration. Then secure the tire, taking care that the tire goes straight up without catching on any other part, to prevent it from moving during a collision or sudden braking.

Check the tire from the side to see that the tire is stored horizontally.

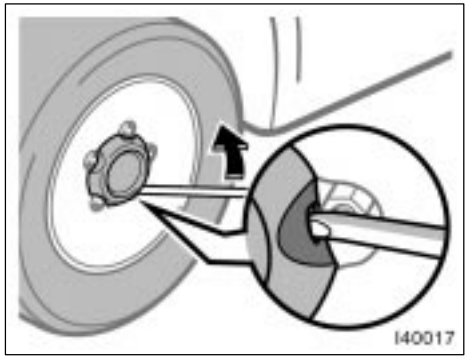
—Blocking the wheel



2. Block the wheel diagonally opposite the flat tire to keep the vehicle from rolling when it is jacked up.

When blocking the wheel, place a wheel block from the front for the front wheels or from the rear for the rear wheels.

—Removing wheel ornament



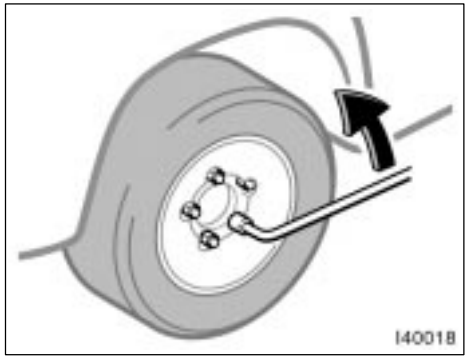
3. Remove the wheel ornament.

Pry off the wheel ornament, using the beveled end of the wheel ornament remover as shown.

⚠ CAUTION

Do not try to pull off the ornament by hand. Take due care in handling the ornament to avoid unexpected personal injury.

—Loosening wheel nuts



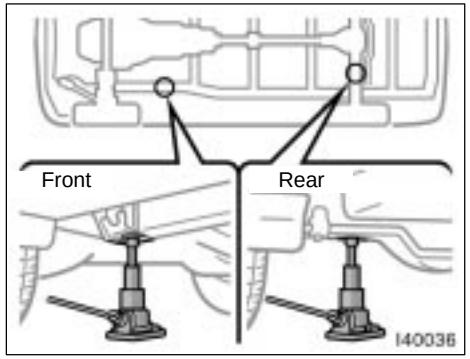
4. Loosen all the wheel nuts.

Always loosen the wheel nuts before raising the vehicle.

The nuts turn counterclockwise to loosen. To get maximum leverage,fit the wrench to the nut so that the handle is on the right side, as shown above. Grab the wrench near the end of the handle and pull up on the handle. Be careful that the wrench does not slip off the nut.

Do not remove the nuts yet—just unscrew them about one- half turn.

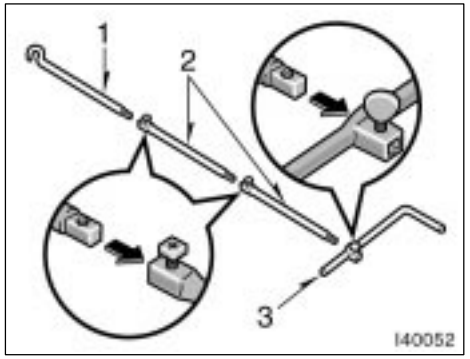
—Positioning the jack



5. Position the jack at the correct jack point as shown.

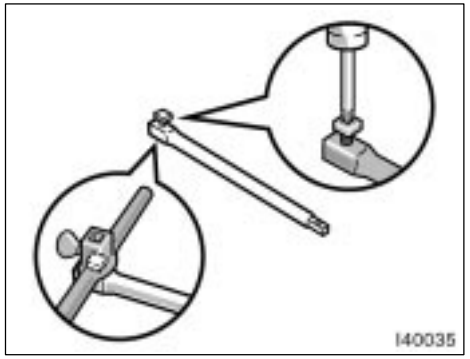
Front—Under the frame side rail
Rear—Under the rear axle housing

Make sure the jack is positioned on a level and solid place.



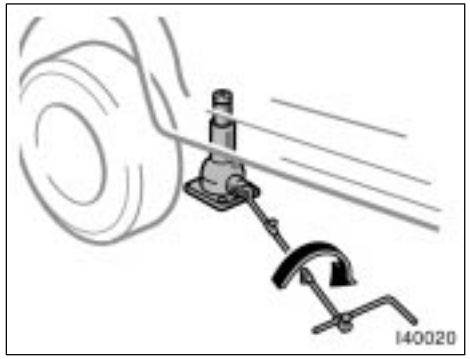
Put a jack handle, jack handle extensions, and jack handle end together as shown in the illustration.

1 Jack handle end
2 Jack handle extension
3 Jack handle



When connecting a jack handle extension with another extension and a jack handle end, use a Phillips-head screwdriver or jack handle to tighten the bolts on the joints as shown in the illustration. When connecting the jack handle with extension, tighten the wing bolt on the jack handle securely. Make sure that the hallow meets the bolt on any joint when you tighten the bolts.

—Raising your vehicle



6. After making sure that no one is in the vehicle, raise it high enough so that the spare tire can be installed.

Remember you will need more ground clearance when putting on the spare tire than when removing the flat tire.

To raise the vehicle, insert the jack handle end into the joint of the jack (it is a loose fit) and turn it clockwise with the handle, making sure the handle remains firmly fitted onto the jack handle end. As the jack touches the vehicle and begins to lift, double- check that it is properly positioned.

⚠ CAUTION

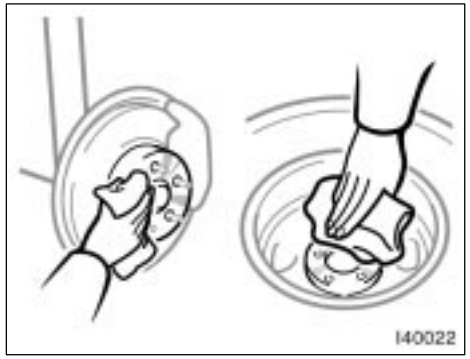
Never get under the vehicle when the vehicle is supported by the jack alone.

—Changing wheels

7. Remove the wheel nuts and change tires.

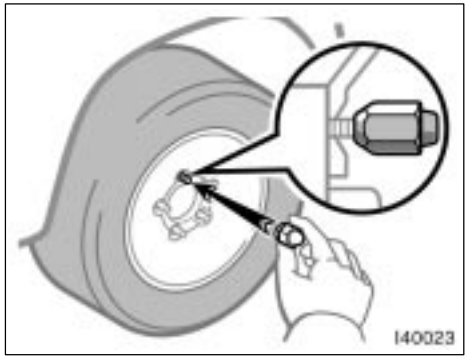
Lift the flat tire straight off and put it aside.

Roll the spare wheel into position and align the holes in the wheel with the bolts. Then lift up the wheel and get at least the top bolt started through its hole. Wiggle the tire and press it back over the other bolts.



Before putting on wheels, remove any corrosion on the mounting surfaces with a wire brush or such. Installation of wheels without good metal-to-metal contact at the mounting surface can cause wheel nuts to loosen and eventually cause a wheel to come off while driving. Therefore after the first 1600 km (1000 miles), check to see that the wheel nuts are tight.

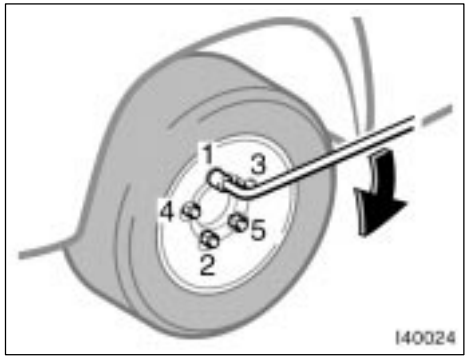
—Reinstalling wheel nuts



8. Reinstall all the wheel nuts finger tight.

Reinstall the wheel nuts (tapered end inward) and tighten them as much as you can by hand. Press back on the tire and see if you can tighten them more.

—Lowering your vehicle



9. Lower the vehicle completely and tighten the wheel nuts.

Turn the jack handle extension counterclockwise with handle to lower the vehicle, making sure the handle remains firmly fitted onto the jack handle extension.

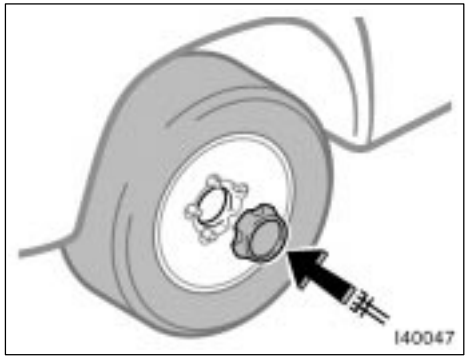
Use only the wheel nut wrench and turn it clockwise to tighten the nuts. Do not use other tools or any additional leverage other than your hands, such as a hammer, pipe or your foot. Make sure the wrench is securely engaged over the nut.

Tighten each nut a little at a time in the order shown. Repeat the process until all the nuts are tight.

CAUTION

When lowering the vehicle, make sure all portions of your body and all other persons around will not be injured as the vehicle is lowered to the ground.

—Reinstalling wheel ornament



10. Reinstall the wheel ornament.

Put the wheel ornament into position and then tap it firmly with the side or heel of your hand to snap it into place.

CAUTION

Take due care in handling the ornament to avoid unexpected personal injury.

—After changing wheels

11. Check the air pressure of the replaced tire.

Adjust the air pressure to the specification designated in Part 8. If the pressure is lower, drive slowly to the nearest service station and fill to the correct pressure.

Do not forget to reinstall the tire inflation valve cap as dirt and moisture could get into the valve core and possibly cause air leakage. If the cap is missing, have a new one put on as soon as possible.

12. Restow all the tools, jack and flat tire securely.

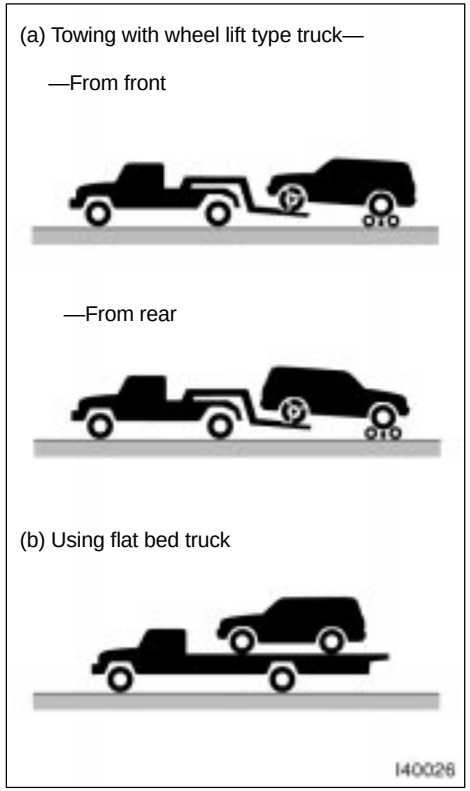
As soon as possible after changing wheels, tighten the wheel nuts to the torque specified in Part 8 with a torque wrench and have a technician repair the flat tire.

This is the same procedure for changing or rotating your tires.

CAUTION

Before driving, make sure all the tools, jack and flat tire are securely in place in their storage location to reduce the possibility of personal injury during a collision or sudden braking.

If your vehicle needs to be towed—



If towing is necessary, we recommend you have it done by your Toyota dealer or a commercial tow truck service. In consultation with them, have your vehicle towed using either (a) or (b).

Only when you cannot receive a towing service from a Toyota dealer or commercial tow truck service, tow your vehicle carefully in accordance with the instructions given in "—Emergency towing" in this Part.

Proper equipment will help ensure that your vehicle is not damaged while being towed. Commercial operators are generally aware of the state/provincial and local laws pertaining to towing.

Your vehicle can be damaged if it is towed incorrectly. Although most operators know the correct procedure, it is possible to make a mistake. To avoid damage to your vehicle, make sure the following few precautions are observed. If necessary, show this page to the tow truck driver.

TOWING PRECAUTIONS:

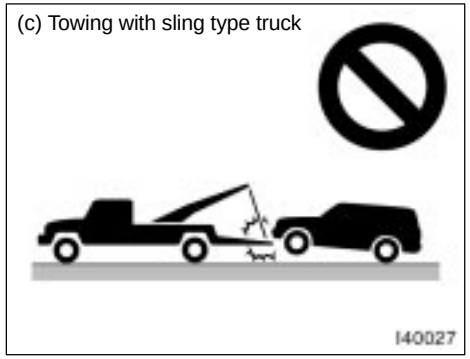
Use a safety chain system for all towing, and abide by the state/provincial and local laws. The wheels and axle on the ground must be in good condition. If they are damaged, use a towing dolly.

(a) Towing with wheel lift type truck

Use a towing dolly under the wheels not lifted by the truck.

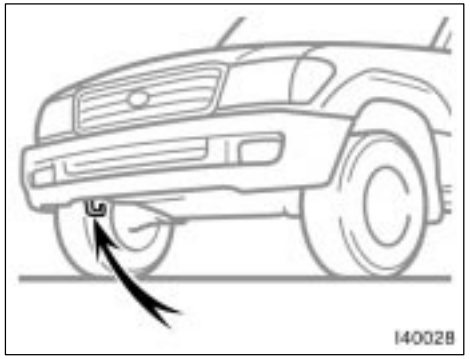
(b) Using flat bed truck

—Emergency towing

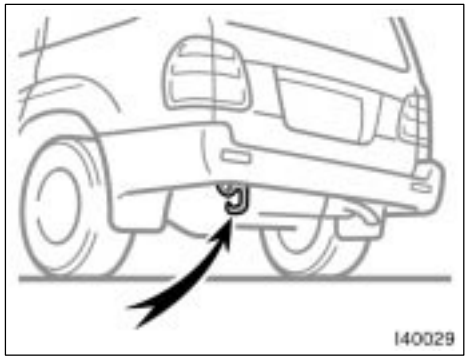


(c) Towing with sling type truck

NOTICE
Do not tow with sling type truck, either from the front or rear. This may cause body damage.



Front



Rear

If towing is necessary, we recommend you to have it done by your Toyota dealer or a commercial tow truck service.

If towing service is not available in an emergency, your vehicle may be temporarily towed by a cable or chain secured to one of the following parts:

Front: Front emergency towing hook
Rear: Rear emergency towing hook

Use extreme caution when towing the vehicle.

A driver must be in the vehicle to steer it and operate the brakes.

Towing in this manner may be done only on hard-surfaced roads for a short distance and at low speeds. Also, the wheels, axles, drive train, steering and brakes must all be in good condition.

⚠ CAUTION

Use extreme caution when towing vehicle. Avoid sudden starts or erratic driving maneuvers which would place excessive stress on the emergency towing hook and towing cable or chain. The hook and towing cable or chain may break and cause serious injury or damage.

NOTICE

Use only a cable or chain specifically intended for use in towing vehicles. Securely fasten the cable or chain to the towing hook provided.

Before towing, release the parking brake and put the transmission in "N". Unlock the center differential. The key must be in "ACC" (engine off) or "ON" (engine running).

⚠ CAUTION

If the engine is not running, the power assist for the brakes and steering will not work so steering and braking will be much harder than usual.

—Emergency towing hook precautions

- ▶Before emergency towing, check that the hook is not broken or damage and that the installation bolts are not loose.
- ▶Fasten the towing cable or chain securely to the hook.
- ▶Do not jerk the hook. Apply steady and even force.
- ▶To avoid damaging the hook, do not pull from the side or at a vertical angle. Always pull straight ahead.

⚠ CAUTION

If the emergency towing hook is used to get out when your vehicle becomes struck in mud, sand or other condition from which the vehicle cannot be driven out under its own power, make sure to observe the precautions mentioned below. Otherwise, excessive stress will be put on the hook and the towing cable or chain may break, causing serious injury or damage.

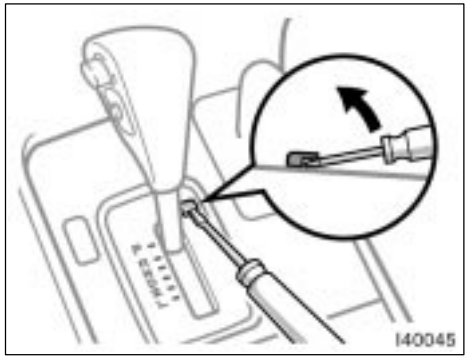
- **If the towing vehicle can hardly move, do not forcibly continue the towing. Contact your Toyota dealer or a commercial tow truck service for assistance.**
- **Tow the vehicle as straight ahead as possible.**
- **Keep away from the vehicle during towing.**

—Tips for towing a stuck vehicle

The following methods are effective to use when your vehicle is stuck in the mud, sand or other condition from which the vehicle cannot be driven out under its own power. Use extreme caution when towing the vehicles. In addition, keep away from the vehicles and towing cable or chain when towing.

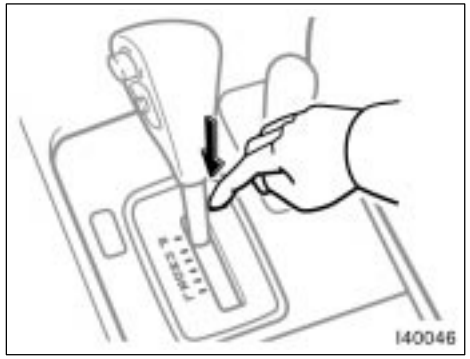
- Remove the sand soil in the front and the back of the tires.
- Place stones or wood under the tires.

If you cannot shift automatic transmission selector lever



If you cannot shift the selector lever out of "P" position to other positions even though the brake pedal is depressed, use the shift lock override button as follows:

1. **Turn the ignition key to "LOCK" position. Make sure the parking brake is on.**
2. **Pry up the cover with a flat-bladed screwdriver or equivalent.**



3. **Insert your finger into the hole to push down the shift lock override button. You can shift out of ”P” position only while pushing the button.**
4. **Shift into ”N” position.**
5. **Reinstall the cover.**
6. **Start the engine. For your safety, keep the brake pedal depressed.**

Be sure to have the system checked by your Toyota dealer as soon as possible.

If you lose your keys

You can purchase a new key at your Toyota dealer if you can give them the key number and master key.

Even if you lose only one key, contact your Toyota dealer to make a new key. If you lose all your master keys, you cannot make new keys; the whole engine immobiliser system must be replaced.

See the suggestion given in ”Keys” in Chapter 1-2.

You can use the wireless remote control system with the new transmitter. Contact your Toyota dealer for detailed information.

If your keys are locked in the vehicle and you cannot get a duplicate, many Toyota dealers can still open the door for you, using their special tools. If you must break a window to get in, we suggest breaking the smallest side window because it is the least expensive to replace. Be extremely cautious to avoid cuts from the glass.

Part 5
CORROSION PREVENTION AND APPEARANCE CARE

Protecting your Toyota from corrosion

Toyota, through its diligent research, design and use of the most advanced technology available, has done its part to help prevent corrosion and has provided you with the finest quality vehicle construction. Now, it is up to you. Proper care of your Toyota can help ensure long-term corrosion prevention.

The most common causes of corrosion to your vehicle are:

- ▶The accumulation of road salt, dirt and moisture in hard-to-reach areas under the vehicle.
- ▶Chipping of paint, or undercoating caused by minor accidents or by stones and gravel.

Care is especially important if you live in particular areas or operate your vehicle under certain environmental conditions:

- ▶Road salt or dust control chemicals will accelerate corrosion, as will the presence of salt in the air near the seacoast or in areas of industrial pollution.
- ▶High humidity accelerates corrosion especially when temperatures range just above the freezing point.
- ▶Wetness or dampness to certain parts of your vehicle for an extended period of time, may cause corrosion even though other parts of the vehicle may be dry.
- ▶High temperatures will cause corrosion to those components of the vehicle which are prevented from quick-drying due to lack of proper ventilation.

The above signifies the necessity to keep your vehicle, particularly the underside, as clean as possible and to repair any damage to paint or protective coatings as soon as possible.

To help prevent corrosion on your Toyota, follow these guidelines:

Wash your vehicle frequently. It is, of course, necessary to keep your vehicle clean by regular washing, but to prevent corrosion, the following points should be observed:

- ▶If you drive on salted roads in the winter or if you live near the ocean, you should hose off the undercarriage at least once a month to minimize corrosion.

- High pressure water or steam is effective for cleaning the vehicle's underside and wheel housings. Pay particular attention to these areas as it is difficult to see all the mud and dirt. It will do more harm than good to simply wet the mud and debris without removing them. The lower edge of doors, rocker panels and frame members have drain holes which should not be allowed to clog with dirt as trapped water in these areas can cause corrosion.
- Wash the underside of the vehicle thoroughly when winter is over.

See "Washing and waxing your Toyota" for more tips.

Check the condition of your vehicle's paint and trim. If you find any chips or scratches in the paint, touch them up immediately to prevent corrosion from starting. If the chips or scratches have gone through the bare metal, have a qualified body shop make the repair

Check the interior of your vehicle. Water and dirt can accumulate under the floor mats and could cause corrosion. Occasionally check under the mats to make sure the area is dry. Be particularly careful when transporting chemicals, cleansers, fertilizers, salt, etc.; these should be transported in proper containers. If a spill or leak should occur, immediately clean and dry the area.

Use mud shields on your wheels. If you drive on salted or gravel roads, mud shields help protect your vehicle. Full- size shields, which come as near to the ground as possible, are the best. We recommend that the fittings and the area where the shields are installed be treated to resist corrosion. Your Toyota dealer will be happy to assist in supplying and installing the shields if they are recommended for your area.

Keep your vehicle in a well ventilated garage or a roofed place. Do not park your vehicle in a damp, poorly ventilated garage. If you wash your vehicle in the garage, or if you drive it in covered with water or snow, your garage may be so damp it will cause corrosion. Even if your garage is heated, a wet vehicle can corrode if the ventilation is poor.

Washing and waxing your Toyota

Washing your Toyota

Keep your vehicle clean by regular washing.

The following cases may cause weakness to the paint or corrosion to the body and parts. Wash your vehicle as soon as possible.

- When driving in a coastal area
- When driving on a road sprinkled with antifreeze
- When having stuck of coal tar, tree sap, bird droppings and carcass of an insect
- When driving in the areas where there are a lot of smoke, soot, dust, iron dust and chemical substance
- When the vehicle becomes remarkably dirty with dust and mud

Hand- washing your Toyota

Work in the shade and wait until the vehicle body is not hot to the touch.

⚠ CAUTION

When cleaning under floor or chassis, be careful not to injure your hands.

1. Rinse off loose dirt with a hose. Remove any mud or road salt from the underside of the vehicle or in the wheel wells.
2. Wash with a mild car-wash soap, mixed according to the manufacturer's instructions. Use a soft cotton mitt and keep it wet by dipping it frequently into the wash water. Do not rub hard—let the soap and water remove the dirt.

Aluminum wheels: Use only a mild soap or neutral detergent.

Plastic bumpers: Wash carefully. Do not scrub with abrasive cleaners. The bumper faces are soft.

Road tar: Remove with turpentine or cleaners that are marked safe for painted surfaces.

NOTICE

Do not use gasoline or strong solvents, which may be toxic or cause damage.

3. Rinse thoroughly—dried soap can cause streaking. In hot weather you may need to rinse each section right after you wash it.
4. To prevent water spots, dry the vehicle using a clean soft cotton towel. Do not rub or press hard—you might scratch the paint.

Automatic car wash

Your vehicle may be washed in an automatic car wash, but remember that the paint can be scratched by some type of brushes, unfiltered washing water, or the washing process itself. Scratching reduces paint durability and gloss, especially on darker colors. The manager of the car wash should be able to advise you whether the process is safe for the paint on your vehicle.

NOTICE

To prevent damage to the antenna, make sure it is retracted before driving your Toyota through an automatic car wash.

Waxing your Toyota

Polishing and waxing is recommended to maintain the original beauty of your Toyota's finish.

Once a month or if the vehicle does not repel water well, apply wax.

1. Always wash and dry the vehicle before you begin waxing, even if you are using a combined cleaner and wax.
2. Use a good quality polish and wax. If the finish has become extremely weathered, use a car-cleaning polish, followed by a separate wax. Carefully follow the manufacturer's instructions and precautions. Be sure to polish and wax the chrome trim as well as the paint.
3. Wax the vehicle again when water does not bead but remains on the surface in large patches.

NOTICE

Always remove the plastic bumpers if your vehicle is re-painted and placed in a high heat paint waxing booth. High temperatures could damage the bumpers.

Cleaning the interior

⚠ CAUTION

Do not wash the vehicle floor with water, or allow water to get onto the floor when cleaning the vehicle interior or exterior. Water may get into audio components or other electrical components above or under the floor carpet (or mat) and cause a malfunction; and it may cause body corrosion.

Vinyl interior

The vinyl upholstery may be easily cleaned with a mild soap or detergent and water.

First vacuum over the upholstery to remove loose dirt. Then, using a sponge or soft cloth, apply the soap solution to the vinyl. After allowing it to soak in for a few minutes to loosen the dirt, remove the dirt and wipe off the soap with a clean damp cloth. If all the dirt do not come off, repeat the procedure. Commercial foaming-type vinyl cleaners are also available which work well. Follow the manufacturer's instructions.

NOTICE

Do not use solvent, thinner, gasoline or window cleaner on the interior.

Carpets

Use a good foam-type shampoo to clean the carpets.

Begin by vacuuming thoroughly to remove as much dirt as possible. Several types of foam cleaners are available; some are in aerosol cans and others are powders or liquids which you mix with water to produce a foam. To shampoo the carpets, use a sponge or brush to apply the foam. Rub in overlapping circles.

Do not apply water—the best results are obtained by keeping the carpet as dry as possible. Read the shampoo instructions and follow them closely.

Seat belts

The seat belts may be cleaned with mild soap and water or with lukewarm water.

Use a cloth or sponge. As you are cleaning, check the belts for excessive wear, fraying, or cuts.

NOTICE

- ***Do not use dye or bleach on the belts—it may weaken then***
- ***Do not use the belts until they become dry.***

Windows

The windows may be cleaned with any household window cleaner.

NOTICE

When cleaning the inside of the windows, be careful not to scratch or damage the heater wires on the rear window.

Air conditioning control panel, car audio, instrument panel, console panel, and switches

Use a soft damp cloth for cleaning.

Soak a clean soft cloth in water or lukewarm water then lightly wipe off dirt.

NOTICE

- ***Do not use organic substances (solvents, kerosene, alcohol, gasoline, etc.) or alkaline or acidic solutions. These chemicals can cause discoloring, staining or peeling of the surface.***
- ***If you use cleaners or polishing agents, make sure their ingredients do not include the substances mentioned above.***
- ***If you use a liquid car freshener, do not spill the liquid onto the vehicle's interior surfaces. It may contain the ingredients mentioned above. Immediately clean any spill using the method mentioned above.***

Leather Interior

The leather upholstery may be cleaned with neutral detergent for wool.

Remove dirt using a soft cloth dampened with 5% solution of neutral detergent for wool. Then thoroughly wipe off all traces of detergent with a clean damp cloth.

After cleaning or whenever any part of the leather gets wet, dry with a soft clean cloth. Allow the leather to dry in a ventilated shaded area.

NOTICE

- ***If a stain should fail to come out with a neutral detergent, apply a cleaner that does not contain an organic solvent.***
- ***Never use organic substances such as benzine, alcohol or gasoline, or alkaline or acid solutions for cleaning the leather as these could cause discoloring.***
- ***Use of a nylon brush or synthetic fiber cloth, etc. may scratch the fine grained surface of the leather.***
- ***Mildew may develop on soiled leather upholstery. Be especially careful to avoid oil spots. Try to keep your upholstery always clean.***
- ***Long exposure to direct sunlight may cause the leather surface to harden and shrink. Keep your vehicle in a shaded area, especially in the summer.***
- ***The interior of your vehicle is apt to heat up on hot summer days, so avoid placing on the upholstery items made of vinyl or plastic or containing wax as these tend to stick to leather when warm.***

◆ ***Improper cleaning of the leather upholstery could result in discoloration or staining.***

If you have any questions about the cleaning of your Toyota, your local Toyota dealer will be pleased to answer them.

Part 6
VEHICLE MAINTENANCE AND CARE

For scheduled maintenance information, please refer to the separate ”Owner’s Manual Supplement/Maintenance Schedule”.

Maintenance requirements

Your Toyota vehicle has been designed for fewer maintenance requirements with longer service intervals to save both your time and money. However, each regular maintenance, as well as day-to-day care, is more important than ever before to ensure smooth, trouble-free, safe, and economical drivings.

It is the owner’s responsibility to make sure the specified maintenance, including general maintenance service, is performed. Note that both the new vehicle and emission control system warranties specify that proper maintenance and care must be performed. See Owner’s Guide, Owner’s Manual Supplement or Warranty Booklet for complete warranty information.

General maintenance

General maintenance items are those day-to-day care practices that are important to your vehicle for proper operation. It is the owner’s responsibility to ensure that the general maintenance items are performed regularly.

These checks or inspections can be done either by yourself or a qualified technician, or if you prefer, your Toyota dealer will be pleased to do them at a nominal cost.

Scheduled maintenance

The scheduled maintenance items listed in the ”Owner’s Manual Supplement/Maintenance Schedule” are those required to be serviced at regular intervals.

For details of your maintenance schedule, read the separate ”Owner’s Manual Supplement/Maintenance Schedule”.

It is recommended that any replacement parts used for maintenance or for the repair of the emission control system be Toyota supplied.

The owner may elect to use non-Toyota supplied parts for replacement purposes without invalidating the emission control system warranty. However, use of replacement parts which are not of equivalent quality may impair the effectiveness of the emission control systems.

You may also elect to have maintenance, replacement, or repair of the emission control devices and system performed by any automotive repair establishment or individual without invalidating this warranty. See Owner’s Guide, Owner’s Manual Supplement or Warranty Booklet for complete warranty information.

Where to go for service?

Toyota technicians are well-trained specialists and are kept up to date with the latest service information through technical bulletins, service tips, and in-dealership training programs. They learn to work on Toyotas before they work on your vehicle, rather than while they are working on it.

You can be confident that your Toyota dealer's service department performs the best job to meet the maintenance requirements on your vehicle–reliably and economically.

Your copy of the repair order is proof that all required maintenance has been performed for warranty coverage. And if any problems should arise with your vehicle while under warranty, your Toyota dealer will promptly take care of it. Again, be sure to keep a copy of the repair order for any service performed on your Toyota.

What about do-it-yourself maintenance?

Many of the maintenance items are easy to do yourself if you have a little mechanical ability and a few basic automotive tools. Simple instructions for how to perform them are presented in Part 7.

If you are a skilled do-it-yourself mechanic, the Toyota service manuals are recommended. Please be aware that do-it-yourself maintenance can affect your warranty coverage. See Owner's Guide, Owner's Manual Supplement or Warranty Booklet for the details.

General maintenance

Listed below are the general maintenance items that should be performed as frequently as specified. In addition to checking the items listed, if you notice any unusual noise, smell or vibration, you should investigate the cause or take your vehicle to your Toyota dealer or a qualified service shop immediately. It is recommended that any problem you notice be brought to the attention of your dealer or the qualified service shop for their advice.

⚠ CAUTION

Make these checks only where adequate ventilation can be obtained if you run the engine.

OUTSIDE THE VEHICLE

Items listed below should be performed from time to time, unless otherwise specified.

Tire pressure

Check the pressure with a gauge every two weeks, or at least once a month. See Chapter 7-2 for additional information.

Tire surface and wheel nuts
Check the tires carefully for cuts, damage or excessive wear. See Chapter 7-2 for additional information. When checking the tires, make sure no nuts are missing, and check the nuts for looseness. Tighten them if necessary.

Tire rotation
Rotate the tires every 12000 km (7500 miles). See Chapter 7-2 for additional information.

Fluid leaks
Check underneath for leaking fuel, oil, water or other fluid after the vehicle has been parked for a while. If you smell fuel fumes or notice any leak, have the cause found and corrected immediately.

Doors and engine hood
Check that all doors and back door operate smoothly and all latches lock securely. Make sure the engine hood secondary latch secures the hood from opening when the primary latch is released.

INSIDE THE VEHICLE

Items listed below should be checked regularly, e.g. while performing periodic services, cleaning the vehicle, etc.

Lights
Make sure the headlights, stop lights, tail lights, turn signal lights, and other lights are all working. Check headlight aim.

Service reminder indicators and warning buzzers
Check that all service reminder indicators and warning buzzers function properly.

Steering wheel
Be alert for changes in steering condition, such as hard steering or strange noise.

Seats
Check that all front seat controls such as seat adjusters, seatback recliner, etc. operate smoothly and that all latches lock securely in any position. Check that the head restraint move up and down smoothly and that the locks hold securely in any latched position. For folding-down rear seatbacks, swing-up rear seat cushions and detachable third seats, check that the latches lock securely.

Seat belts
Check that the seat belt system such as buckles, retractors and anchors operate properly and smoothly. Make sure that the belt webbing is not cut, frayed, worn or damaged.

Accelerator pedal
Check the pedal for smooth operation and uneven pedal effort or catching.

Brake pedal
Check the pedal for smooth operation and that the pedal has the proper clearance. Check the brake booster function.

Brakes
At a safe place, check that the brakes do not pull to one side when applied.

Parking brake
Check that the lever has the proper travel and that, on a safe incline, your vehicle is held securely with only the parking brake applied.

Automatic transmission "Park" mechanism
Check the lock release button of the selector lever for proper and smooth operation. On a safe incline, check that your vehicle is held securely with the selector lever in "P" position and all brakes released.

IN THE ENGINE COMPARTMENT

Items listed below should be checked from time to time, e.g. each time when refueling.

Washer fluid
Make sure there is sufficient fluid in the tank. See Chapter 7-3 for additional information.

Engine coolant level
Make sure the coolant level is between the "FULL" and "LOW" lines on the see-through reservoir when the engine is cold. See Chapter 7-2 for additional information.

Battery electrolyte level
Make sure the electrolyte level of all battery cells is between upper and lower level lines on the case. Add only distilled water when replenishing. See Chapter 7-3 for additional information.

Brake fluid level
Make sure the brake fluid level is correct. See Chapter 7-2 for additional information.

Engine oil level
Check the level on the dipstick with the engine turned off and the vehicle parked on a level spot. See Chapter 7-2 for additional information.

Power steering fluid level
Check the level through the reservoir. The level should be in the "HOT" or "COLD" range depending on the fluid temperature. See Chapter 7-2 for additional information.

Exhaust system
If you notice any change in the sound of the exhaust or smell exhaust fumes, have the cause located and corrected immediately. (See engine exhaust cautions in Part 2.)

Does your vehicle need repairing?

Be on the alert for changes in performance, sounds, and visual tip-offs that indicate service is needed. Some important clues are as follows:

- ▶Engine missing, stumbling, or pinging
- ▶Appreciable loss of power
- ▶Strange engine noises
- ▶A leak under the vehicle (however, water dripping from the air conditioning after use is normal.)
- ▶Change in exhaust sound (This may indicate a dangerous carbon monoxide leak. Drive with the windows open and have the exhaust system checked immediately.)
- ▶Flat-looking tire; excessive tire squeal when cornering; uneven tire wear
- ▶Vehicle pulls to one side when driving straight on a level road
- ▶Strange noises related to suspension movement
- ▶Loss of brake effectiveness; spongy feeling brake pedal; pedal almost touches floor; vehicle pulls to one side when braking
- ▶Engine coolant temperature continually higher than normal

▶Engine continually runs hot; oil pressure gauge stays low

If you notice any of these clues, take your vehicle to your Toyota dealer as soon as possible. It probably needs adjustment or repair.

⚠ CAUTION

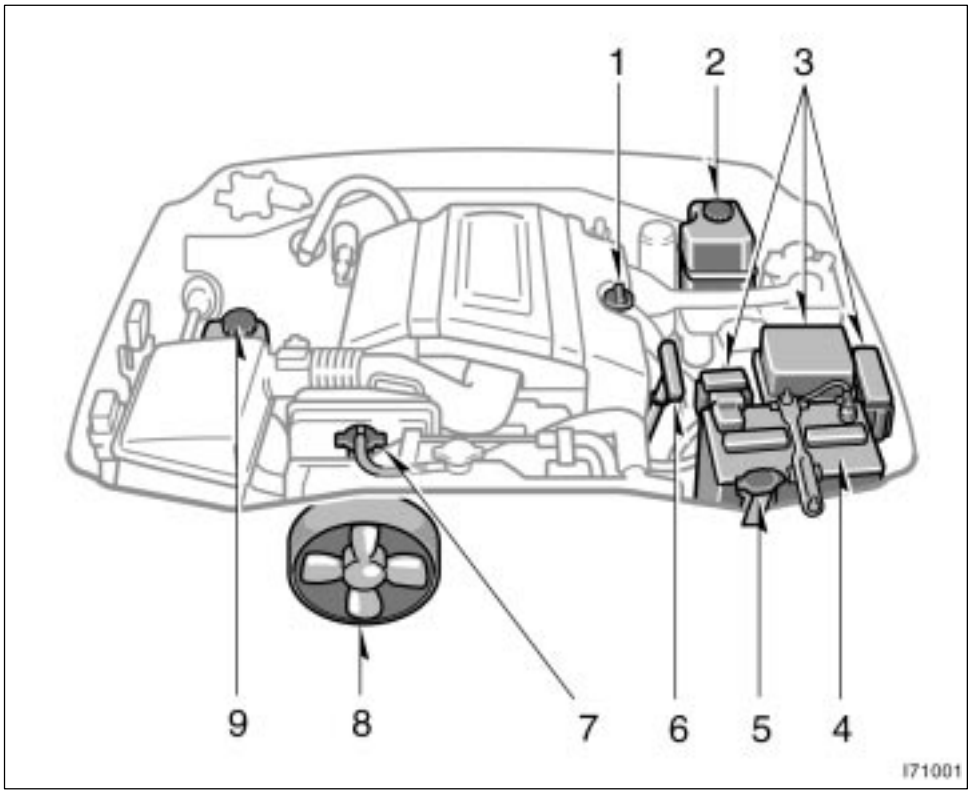
Do not continue driving with the vehicle unchecked. It could result in serious vehicle damage and possibly personal injury.

Part 7
DO- IT- YOURSELF MAINTENANCE

Chapter 7- 1
Introduction

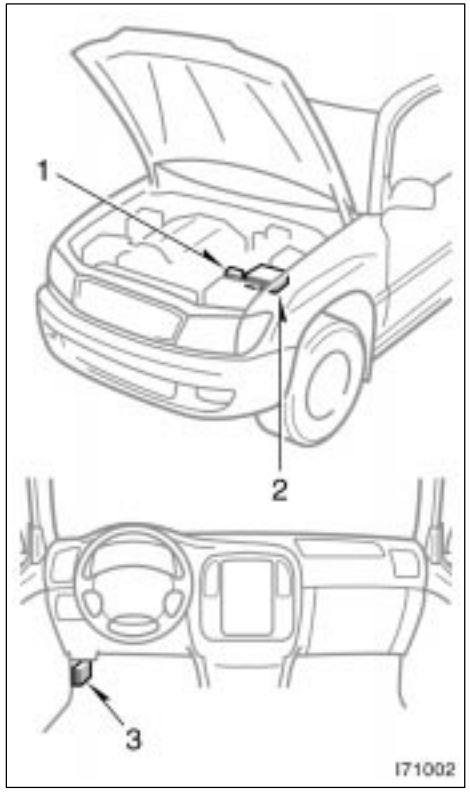
- ▶Engine compartment overview
- ▶Fuse locations
- ▶Do- it- yourself service precautions
- ▶Parts and tools

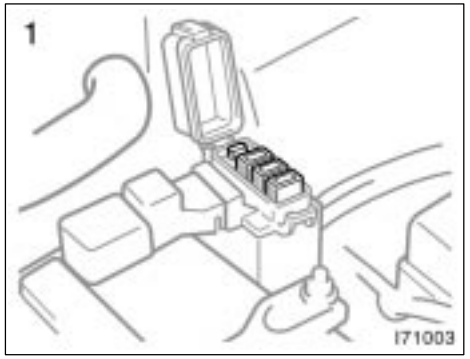
Engine compartment overview

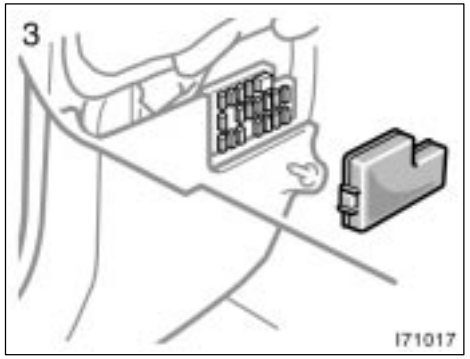


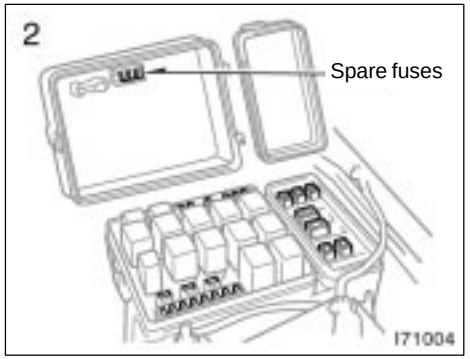
1. Engine oil filler cap
2. Brake fluid reservoir
3. Fuse blocks
4. Battery
5. Windshield washer and rear window washer fluid tank
6. Engine oil level dipstick
7. Engine coolant reservoir
8. Electric cooling fan
9. Power steering fluid reservoir

Fuse locations









Do-it-yourself service precautions

If you perform maintenance by yourself, be sure to follow the correct procedure given in this part.

You should be aware that improper or incomplete servicing may result in operating problems.

Performing do-it-yourself maintenance during the warranty period may affect your warranty coverage. Read the separate Toyota Warranty statement for details and suggestions.

This part gives instructions only for those items that are relatively easy for an owner to perform. As explained in Part 6, there are still a number of items that must be done by a qualified technician with special tools.

For information on tools and parts for do-it-yourself maintenance, see "Parts and tools".

Utmost care should be taken when working on your vehicle to prevent accidental injury. Here are a few precautions that you should be especially careful to observe:

⚠ CAUTION

- **When the engine is running, keep hands, clothing, and tools away from the moving fan and engine drive belts. (Removing rings, watches, and ties is advisable.)**
- **Right after driving, the engine compartment—the engine, radiator, exhaust manifold, power steering fluid reservoir and spark and spark plug boots, etc.—will be hot. So be careful not to touch them. Oil, fluids and spark plugs may also be hot.**
- **If the engine is hot, do not remove the radiator cap or loosen the drain plugs to prevent burning yourself.**
- **Do not smoke, cause sparks or allow open flames around fuel or the battery. Their fumes are flammable.**
- **Be extremely cautious when working on the battery. It contains poisonous and corrosive sulfuric acid.**
- **Do not get under your vehicle with just the body jack supporting it. Always use automotive jack stands or other solid supports.**
- **Use eye protection whenever you work on or under your vehicle where you may be exposed to flying or falling material, fluid spray, etc.**
- **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 with it. To remove used engine oil from your skin, wash thoroughly with soap and water.**
- **Do not leave used oil within the reach of children.**
- **Dispose of used oil and filter only in a safe and acceptable manner. Do not dispose of used oil and filter in household trash, in sewers or onto the ground. Call your dealer or a service station for information concerning recycling or disposal.**

NOTICE

- ***Remember that battery and ignition cables carry high currents or voltages. Be careful of accidentally causing a short circuit.***
- ***Add only demineralized or distilled water to fill the radiator. And if you spill some of the coolant, be sure to wash it off with water to prevent it from damaging the parts or paint.***
- ***Do not allow dirt or anything else to fall through the plug holes.***
- ***Do not pry the outer electrode of a spark plug against the center electrode.***
- ***Use only spark plugs of the specified type. Using other types will cause engine damage, loss of performance or radio noise.***
- ***Do not reuse iridium-tipped spark plugs by cleaning or regapping.***
- ***Do not overfill automatic transmission fluid, transfer oil and power steering fluid, or the transmission, transfer and power steering could be damaged.***
- ***Do not drive with the air cleaner filter removed, or excessive engine wear could result. Also backfiring could cause a fire in the engine compartment.***
- ***Be careful not to scratch the glass surface with the wiper frame.***
- ***When closing the engine hood, check to see that you have not forgotten any tools, rags, etc.***

Parts and tools

Here is a list of parts and tools you will need on performing do-it-yourself maintenance. Remember all Toyota parts are designed in metric sizes, so your tools must be metric.

Checking the engine oil level

Parts (if level is low):

- Engine oil API grade SH, "Energy-Conserving II" or SJ, "Energy-Conserving" multigrade or ILSAC multigrade having viscosity proper for your climate

Tools:

- Rag or paper towel
- Funnel (only for adding oil)

Checking the engine coolant level

Parts (if level is low):

- Ethylene-glycol antifreeze
- Demineralized or distilled water

Tools:

- Funnel (only for adding coolant)

Checking brake fluid

Parts (if level is low):

- SAE J1703 or FMVSS No. 116 DOT 3 brake fluid

Tools:

- Rag or paper towel
- Funnel (only for adding fluid)

Checking power steering fluid

Parts (if level is low):

Automatic transmission fluid DEXRON II or III

Tools:

- Rag or paper towel
- Funnel (only for adding fluid)

Checking battery condition

Tools:

- Warm water
- Baking soda
- Grease
- Conventional wrench (for terminal clamp bolts)

Checking and replacing fuses

Parts (if replacement is necessary):

- Fuse with same amperage rating as original

Adding washer fluid

Parts:

- Water
- Washer fluid containing antifreeze (for winter use)

Tools:

- Funnel

Replacing light bulbs

Parts:

- Bulb with same number and wattage rating as original (See charts in "Replacing light bulbs" in Chapter 7-3.)

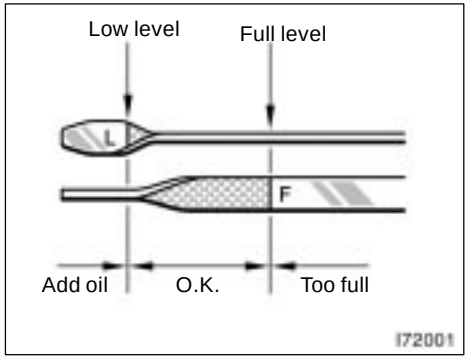
Tools:

- Screwdriver

Part 7
DO- IT- YOURSELF MAINTENANCE—

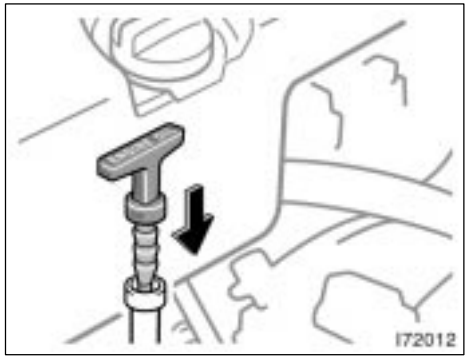
Chapter 7- 2
Engine and Chassis

Checking the engine oil level



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

1. To get a true reading, the vehicle should be on a level spot. After turning off the engine, wait a few minutes for the oil to drain back into the bottom of the engine.
2. Pull out the dipstick, and wipe it clean with a rag.



3. Standing up on the left side of the vehicle, reinsert the dipsick in the direction so that the “ENGINE OIL” on top should be read correctly and push it in as far as it will go, or the reading will not be correct.

4. Pull the dipstick out and look at the oil level on the end.

⚠ CAUTION

Be careful not to touch the hot exhaust manifold.

If the oil level is below or only slightly above the low level, add engine oil of the same type as already in the engine.

Remove the oil filler cap and add engine oil in small quantities at a time, checking the dipstick.

The approximate quantity of oil needed to fill between the low level and the full level on the dipstick is indicated below for reference.

When the level reaches within the correct range, install the filler cap hand-tight.

Oil quantity, L (qt., Imp. qt.):
1.5 (1.6, 1.3)

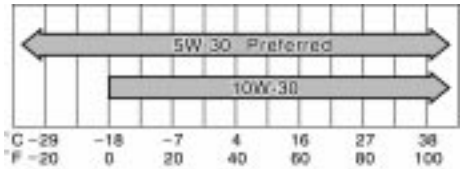
NOTICE

- ***Avoid overfilling, or the engine could be damaged.***
- ***Check the oil level on the dipstick once again after adding the oil.***

ENGINE OIL SELECTION

Use API grade SH, "Energy-Conserving II" or SJ, "Energy-Conserving" multigrade engine oil or ILSAC multigrade engine oil.

Recommended viscosity (SAE):

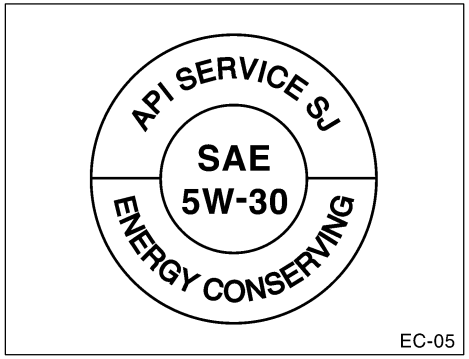


Temperature range anticipated before next oil change

OIL05U

SAE 5W-30 is the best choice for your vehicle, for good fuel economy, and good starting in cold weather.

If you use SAE 10W-30 engine oil in extremely low temperatures, the engine may become difficult to start, so SAE 5W-30 engine oil is recommended.



API service symbol

ILSAC certification mark

Oil identification marks

Either or both API registered marks are added to some oil containers to help you select the oil you should use.

The API Service Symbol is located anywhere on the outside of the container.

The top portion of the label shows the oil quality by API (American Petroleum Institute) designations such as SJ. The center portion of the label shows the SAE viscosity grade such as SAE 5W-30. "Energy-Conserving" shown in the lower portion, indicates that the oil has fuel-saving capabilities.

The ILSAC (International Lubricant Standardization and Approval Committee) Certification Mark is displayed on the front of the container.

Checking the engine coolant level

Look at the see-through coolant reservoir when the engine is cold. The coolant level is satisfactory if it is between the "FULL" and "LOW" lines on the reservoir. If the level is low, add ethylene-glycol type coolant.

The coolant level in the reservoir will vary with engine temperature. However, if the level is on or below the "LOW" line, add coolant. Bring the level up to the "FULL" line.

Use only ethylene-glycol type coolant. See information in the next column.

If the coolant level drops within a short time after replenishing, there may be a leak in the system. Visually check the radiator, hoses, radiator cap and drain cock and water pump.

If you can find no leak, have your Toyota dealer test the cap pressure and check for leaks in the cooling system.

⚠ CAUTION

To prevent burning yourself, do not remove the radiator cap when the engine is hot.

Coolant type selection

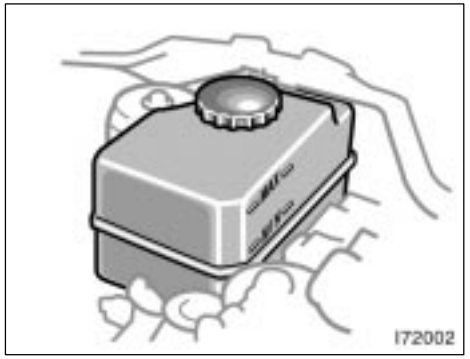
Your coolant must contain ethylene-glycol antifreeze. In addition to preventing freezing and subsequent damage to the engine, this will prevent corrosion. Further supplemental inhibitors or additives are neither needed nor recommended.

Read the antifreeze container for information on freeze protection. Follow the manufacturer's directions for how much to mix with water. The total capacity of the cooling system is given in Part 8. We recommend 50% solution be used for your Toyota, or a sufficient quantity to provide protection to about –35℃ (–31℉).

NOTICE

Do not use alcohol type antifreeze or plain water alone.

Checking brake fluid



To check the fluid level, simply look at the see-through reservoir. The level should be between the "MAX" and "MIN" lines on the reservoir.

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 mechanical problem.

If the level is low, add SAE J1703 or FMVSS No. 116 DOT 3 brake fluid to the brake reservoir.

Refilling brake fluid:

1. Turn the ignition switch off.
2. Depress the brake pedal more than 40 times.
3. Remove the reservoir cover by hand. Add brake fluid up to the "MAX" line.

If you do not follow the procedure above, the reservoir may overflow.

Use only newly opened brake fluid. Once opened, brake fluid absorbs moisture from the air, and excess moisture can cause a dangerous loss of braking.

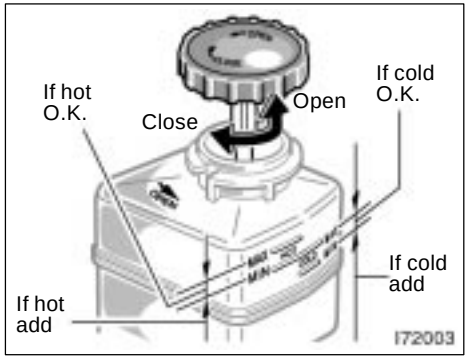
⚠ CAUTION

Take care when filling the reservoir because brake fluid can harm your eyes and damage painted surfaces. If fluid gets in your eyes, flush your eyes with clean water.

NOTICE

If you spill the fluid, be sure to wipe it off to prevent it from damaging the parts or painting.

Checking power steering fluid



Check the fluid level on the dipstick. If necessary, add automatic transmission fluid DEXRON® II or III.

If the vehicle has been driven around 80 km/h (50 mph) for 20 minutes (a little more in frigid temperatures), the fluid is hot (60°C—80°C or 140°F—175°F). You may also check the level when the fluid is cold (about room temperature, 10°C—30°C or 50°F—85°F) if the engine has not been run for about five hours.

Clean all dirt from outside of the reservoir tank and look at the fluid level. If the fluid is cold, the level should be in the "COLD" range. Similarly, if it is hot, the fluid level should be in the "HOT" range. If the level is at the low side of either range, add automatic transmission fluid DEXRON II or III to bring the level within the range.

To remove the filler cap, turn it counter-clockwise and lift up. To reinstall it, turn it clockwise. After replacing the filler cap,visually check the steering box case, vane pump and hose connections for leaks or damage.

⚠ CAUTION

The reservoir tank may be hot so be careful not to burn yourself.

NOTICE

Avoid overfilling, or the power steering could be damaged.

Checking tire pressure

Keep your tire pressures at the proper level.

The recommended cold tire pressures, tire size and the vehicle capacity weight are given in Part 8.

You should check the tire pressures every two weeks, or at least once a month. And don't forget the spare!

Incorrect tire pressure can reduce tire life and make your vehicle less safe to drive.

Low tire pressure results in excessive wear, poor handling, reduced fuel economy, and the possibility of blowouts from overheated tires. Also, low tire pressure can cause poor sealing of the tire bead. If the tire pressure is excessively low, there is the possibility of wheel deformation and/or tire separation.

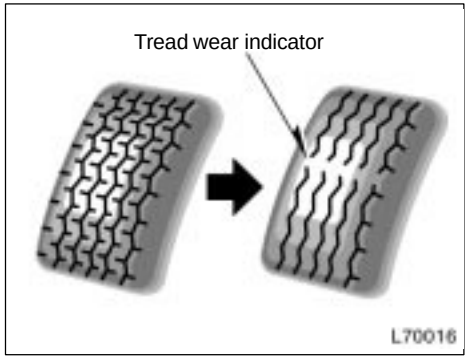
High tire pressure produces a harsh ride, handling problems, excessive wear at the center of the tire tread, and a greater possibility of tire damage from road hazards.

If a tire frequently needs refilling, have it checked by your Toyota dealer.

The following instructions for checking tire pressure should be observed:

- **The pressure should be checked 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 since, you will get an accurate cold tire pressure reading.
- **Always use a tire pressure gauge.** The appearance of a tire can be misleading. Besides, tire pressures that are even just a few pounds off can degrade handling and ride.
- **Do not bleed or reduce tire pressure after driving.** It is normal for the tire pressure to be higher after driving.
- **Never exceed the vehicle capacity weight.** The passenger and luggage weight should be located so that the vehicle is balanced.
- **Be sure to reinstall the tire inflation valve caps.** Without the valve caps, dirt or moisture could get into the valve core and cause air leakage. If the caps have been lost, have new ones put on as soon as possible.

Checking and replacing tires



CHECKING YOUR TIRES

Check the tire tread for the tread wear indicators. If the indicators show, replace the tires.

The tires on your Toyota have built-in tread wear indicators to help you know when the tires need replacement. When the tread depth wears to 1.6 mm (0.06 in.) or less, the indicators will appear. If you can see the indicators in two or more adjacent grooves, the tire should be replaced. The lower the tread, the higher the risk of skidding.

The effectiveness of snow tires is lost if the tread wears down below 4 mm (0.16 in.).

Check the tires regularly for damage such as cuts, splits and cracks. If any damage is found, consult with a technician and have the tire repaired or replaced.

Even if the damage does not appear serious, a qualified technician should examine the damage. Objects which have penetrated the tire may have caused internal damage.

Any tires which are over six years old must be checked by a qualified technician even if damage is not obvious.

Tires deteriorate with age even if they have never or seldom been used.

This also applies to the spare tire and tires stored for future use.

REPLACING YOUR TIRES

When replacing a tire, use only the same size and construction as originally installed and with the same or greater load capacity.

Using any other size or type of tire may seriously affect handling, ride, speedometer/odometer calibration, ground clearance, and clearance between the body and tires or snow chains.

⚠ CAUTION

- **Do not mix radial, bias belted, or bias-ply tires on your vehicle. It can cause dangerous handling characteristics, resulting in loss of control.**
- **Do not use tires or wheels other than the manufacture's recommended size.**

Toyota recommends all four tires, or at least both of the front or rear tires be replaced at a time as a set.

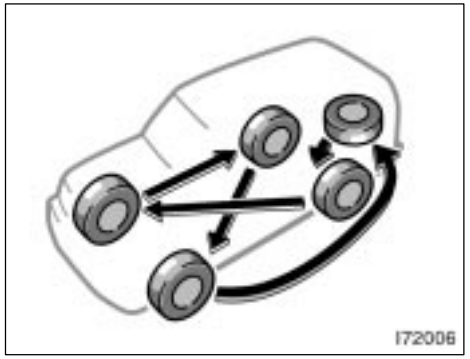
See "If you have a flat tire" in Part 4 for tire change procedure.

When a tire is replaced, the wheel should always be balanced.

An unbalanced wheel may affect vehicle handling and tire life. Wheels can get out of balance with regular use and should therefore be balanced occasionally.

When replacing a tubeless tire, the air valve should also be replaced with a new one.

Rotating tires



To equalize tire wear and help extend tire life, Toyota recommends that you rotate your tires approximately every 12000 km (7500 miles). However, the most appropriate timing for tire rotation may vary according to your driving habits and road surface conditions.

See "If you have a flat tire" in Part 4 for tire change procedure.

When rotating tires, check for uneven wear and damage. Abnormal wear is usually caused by incorrect tire pressure, improper wheel alignment, out-of-balance wheels, or severe braking.

Installing snow tires and chains

WHEN TO USE SNOW TIRES OR CHAINS

Snow tires or chains are recommended when driving on snow or ice.

On wet or dry roads, conventional tires provide better traction than snow tires.

SNOW TIRE SELECTION

If you need snow tires, select the same size, construction and load capacity as the original tires on your Toyota.

Do not use tires other than those mentioned above. Do not install studded tires without first checking local regulations for possible restrictions.

SNOW TIRE INSTALLATION

Snow tires should be installed on all wheels.

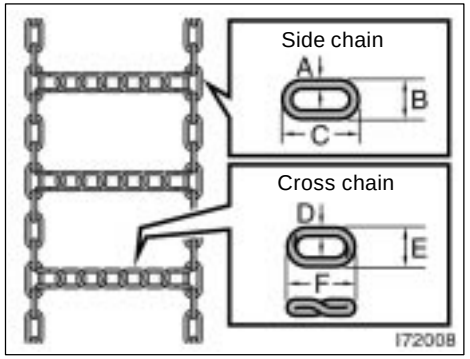
Installing snow tires on the rear wheels only can lead to an excessive difference in road grip capability between the front and rear tires which could cause loss of vehicle control.

When storing removed tires, you should store them in a cool dry space.

Mark the direction of rotation and be sure to install them in the same direction when replacing.

⚠ CAUTION

- **Do not drive with the snow tires incorrectly inflated.**
- **Never drive over 105 km/h (65 mph) with any type of snow tires.**



TIRE CHAIN SELECTION

Use the tire chains of correct size.

For 275/70R16 tire, use the following type chains.

		mm	(in.)
A	Diameter of side chain:	5	(0.20)
B	Width of side chain:	18	(0.71)
C	Length of side chain:	46.1	(1.81)
D	Diameter of cross chain:	6	(0.24)
E	Width of cross chain:	22	(0.87)
F	Length of cross chain:	37.5	(1.48)

Regulations regarding the use of tire chains vary according to location or type of road, so always check them before installing chains.

CHAIN INSTALLATION

Install the chains on the rear tires as tightly as possible. Do not use tire chains on the front tires. Retighten chains after driving 0.5—1.0 km (1/4—1/2 mile).

When installing chains on your tires, carefully follow the instructions of the chain manufacturer.

If wheel covers are used, they will be scratched by the chain band, so remove the covers before putting on the chains.

⚠ CAUTION

- **Do not exceed 50 km/h (30 mph) or the chain manufacturer's recommended speed limit, whichever is lower.**
- **Drive carefully avoiding bumps, holes, and sharp turns, which may cause the vehicle to bounce.**
- **Avoid sharp turns or locked-wheel braking, as use of chains may adversely affect vehicle handling.**

Replacing wheels

WHEN TO REPLACE YOUR WHEELS

If you have wheel damage such as bending, cracks or heavy corrosion, the wheel should be replaced.

If you fail to replace damaged wheels, the tire may slip off the wheel or they may cause loss of handling control.

WHEEL SELECTION

When replacing wheels, care should be taken to ensure that the wheels are replaced by ones with the same load capacity, diameter, rim width, and offset.

Correct replacement wheels are available at your Toyota dealer.

A wheel of a different size or type may adversely affect handling, wheel and bearing life, brake cooling, speedometer/odometer calibration, stopping ability, headlight aim, bumper height, vehicle ground clearance, and tire or snow chain clearance to the body and chassis.

Replacement with used wheels is not recommended as they may have been subjected to rough treatment or high mileage and could fail without warning. Also, bent wheels which have been straightened may have structural damage and therefore should not be used. Never use an inner tube in a leaking wheel which is designed for a tubeless tire.

Aluminum wheel precautions

- After driving your vehicle the first 1600 km (1000 miles), check that the wheel nuts are tight.
- If you have rotated, repaired, or changed your tires, check that the wheel nuts are still tight after driving 1600 km (1000 miles).
- When using tire chains, be careful not to damage the aluminum wheels.
- Use only the Toyota wheel nuts and wrench designed for your aluminum wheels.
- When balancing your wheels, use only Toyota balance weights or equivalent and a plastic or rubber hammer.
- As with any wheel, periodically check your aluminum wheels for damage. If damaged, replace immediately.

Part 7
DO-IT-YOURSELF MAINTENANCE—

Chapter 7-3
Electrical components

Checking battery condition——Precautions

⚠ CAUTION

BATTERY PRECAUTIONS

The battery produces flammable and explosive hydrogen gas.

▶Do not cause a spark from the battery with tools.

▶Do not smoke or light a match near the battery.

The electrolyte contains poisonous and corrosive sulfuric acid.

▶Avoid contact with eyes, skin or clothes.

▶Never ingest electrolyte.

▶Wear protective safety glasses when working near the battery.

▶Keep children away from the battery.

EMERGENCY MEASURES

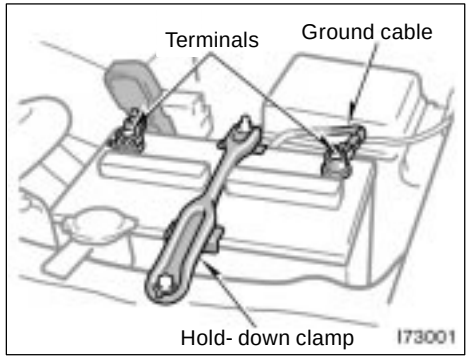
▶If electrolyte gets in your eyes, flush your eyes with clean water immediately and get immediate medical attention. If possible, continue to apply water with a sponge or cloth while en route to the medical office.

▶If electrolyte gets on your skin, thoroughly wash the contact area. If you feel pain or burning, get medical attention immediately.

▶If electrolyte gets on your clothes, there is a possibility of its soaking through to your skin, so immediately take off the exposed clothing and follow the procedure above, if necessary.

▶If you happen to swallow electrolyte, drink a large quantity of water or milk. Follow with milk of magnesia, beaten raw egg or vegetable oil. Then go immediately for emergency help.

—Checking battery exterior



Check the battery for corroded or loose terminal connections, cracks, or loose hold- down clamp.

a. If the battery is corroded, wash it off with a solution of warm water and baking soda. Coat the outside of the terminals with grease to prevent further corrosion.

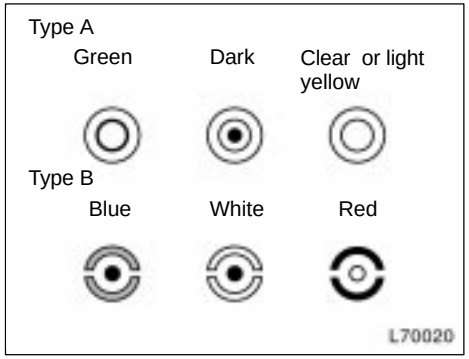
b. If the terminal connections are loose, tighten their clamp nuts—but do not overtighten.

c. Tighten the hold- down clamp only enough to keep the battery firmly in place. Overtightening may damage the battery case.

NOTICE

- ***Be sure the engine and all accessories are off before performing maintenance.***
- ***When checking the battery, remove the ground cable from the negative terminal ("–" mark) first and reinstall it last.***
- ***Be careful not to cause a short circuit with tools.***
- ***Take care no solution gets into the battery when washing it.***

—Checking battery fluid



CHECKING BY THE HYDROMETER

Check the battery condition by the hydrometer color.

Hydrometer color		Condition
Type A	Type B	
GREEN	BLUE	Good
DARK	WHITE	Charging necessary. Have battery checked by your Toyota dealer.
CLEAR or LIGHT YELLOW	RED	Have battery checked by your Toyota dealer.

Battery recharging precautions

During recharging, the battery is producing hydrogen gas.

Therefore, before recharging:

1. If recharging with the battery installed on the vehicle, be sure to disconnect the ground cable.
2. Be sure the power switch on the recharger is off when connecting the charger cables to the battery and when disconnecting them.

⚠ CAUTION

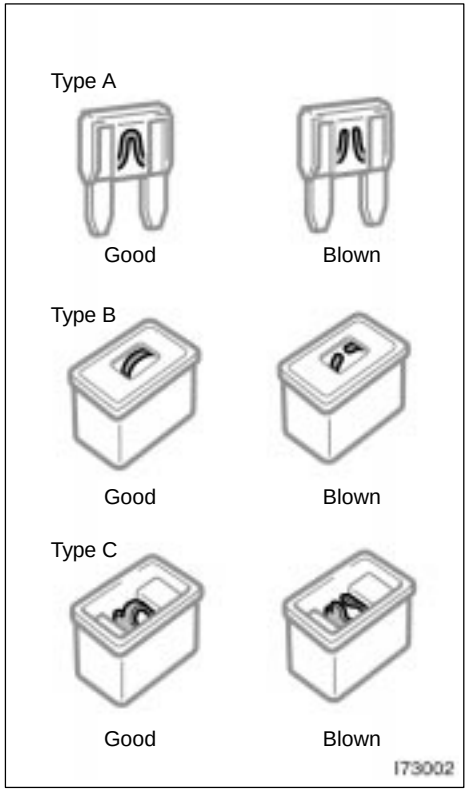
▶Always charge the battery in an unconfined area. Do not charge the battery in a garage or closed room where there is not sufficient ventilation.

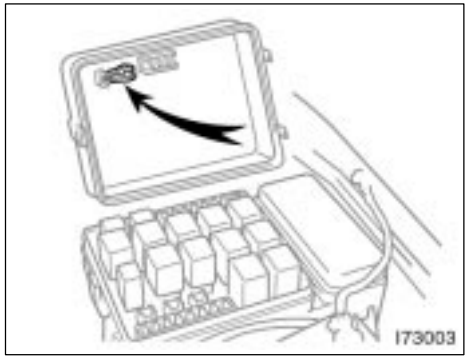
▶Only do a slow charge (5A or less). Charging at a quicker rate is dangerous. The battery may explode, causing personal injuries.

NOTICE

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

Checking and replacing fuses





If the headlights or other electrical components do not work, check the fuses. If any of the fuses are blown, they must be replaced.

See "Fuse locations" in Chapter 7-1 for locations of the fuses.

Turn the ignition switch and inoperative component off. Pull a suspected fuse straight out and check it.

Determine which fuse may be causing the problem. The lid of the fuse box shows the name of the circuit for each fuse. See Part 8 of this manual for the functions controlled by each circuit.

Type A fuses can be pulled out by the pull- out tool. The location of the pull- out tool is shown in the illustration.

If you are not sure whether the fuse has blown, try replacing the suspected fuse with one that you know is good.

If the fuse has blown, push a new fuse into the clip.

Only install a fuse with the amperage rating designated on the fuse box lid.

If you do not have a spare fuse, in an emergency you can pull out the ”RADIO”, ”DOME” or ”RR A.C” fuse, which may be dispensable for normal driving, and use it if its amperage rating is the same.

If you cannot use one of the same amperage, use one that is lower, but as close as possible to, the rating. If the amperage is lower than that specified, the fuse might blow out again but this does not indicate anything wrong. Be sure to get the correct fuse as soon as possible and return the substitute to its original clip.

It is a good idea to purchase a set of spare fuses and keep them in your vehicle for emergencies.

If the new fuse immediately blows out, there is a problem with the electrical system. Have your Toyota dealer correct it as soon as possible.

⚠ CAUTION

Never use a fuse with a higher amperage rating, or any other object, in place of a fuse. This may cause extensive damage and possibly a fire.

Adding washer fluid

If any washer does not work, the washer tank may be empty. Add washer fluid.

You may use plain water as washer fluid. However, in cold areas where temperatures range below freezing point, use washer fluid containing antifreeze. This product is available at your Toyota dealer and most auto parts stores. Follow the manufacturer’s directions for how much to mix with water.

NOTICE

- ***Do not use engine antifreeze or any other substitute because it may damage your vehicle’s paint.***
- ***Do not fill washer fluid over the ”NORMAL” level.***

Replacing light bulbs—

The following illustrations show how to gain access to the bulbs. When replacing a bulb, make sure the ignition switch and light switch are off. Use bulbs with the wattage ratings given in the table.

⚠ CAUTION

Halogen bulbs have pressurized gas inside and require special handling. They can burst or shatter if scratched or dropped. Hold a bulb only by its plastic or metal case. Do not touch the glass part of a bulb with bare hands.

NOTICE

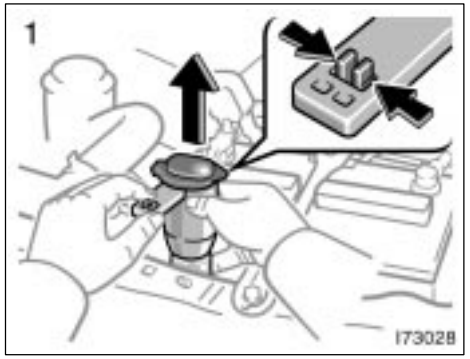
Only use a bulb of the listed type.

Light bulbs	Bulb No.	W	Type
Head lights (high)	9005	55	A
Head lights (low)	9006	51	B
Front turn signal and front side marker lights	1157NA	27/8	C

Light bulbs	Bulb No.	W	Type
Front fog lights	9006	51	B
Parking lights	—	5	D
Rear turn signal lights	7440	21	D
Stop and tail lights	7443	21/5	D
Back- up lights	7440	21	D
License plate lights	—	5	D
Interior lights	—	8	E
Personal lights Type A Type B	 — —	 5 8	 C E
Glovebox light	—	1.4	D
Door courtesy lights	—	3	D
Vanity lights	—	1.5	E

A : HB3 halogen bulbs
B : HB4 halogen bulbs
C : Single end bulbs (ambar)
D : Wedge base bulbs
E : Double end bulbs

—Headlights

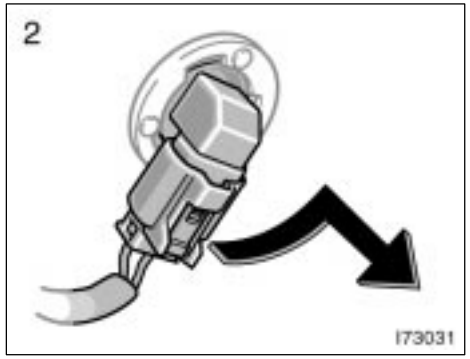


1. **Open the hood.**

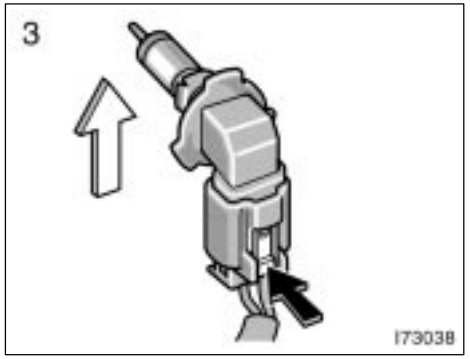
   LEFT–HAND HEADLIGHT: Remove the washer inlet.

Be careful not to spill the washer fluid over the ”NORMAL” level.

Do not place the washer inlet on the engine or battery.

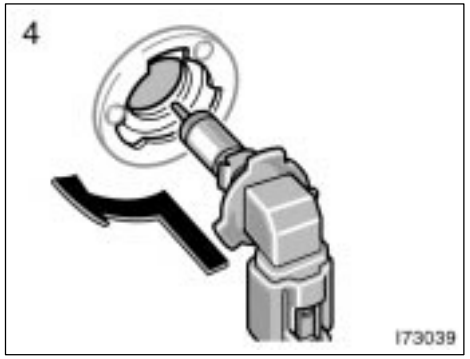


2. Turn the bulb base counterclockwise to the front of the vehicle as shown.



3. Pull the bulb out of the bulb base.

If the connector is tight, wiggle it.

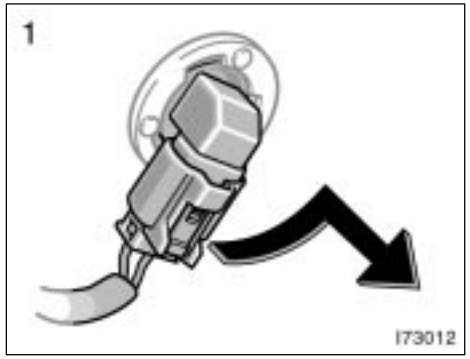


4. Install a new bulb base by turning it clockwise to the front of the vehicle.

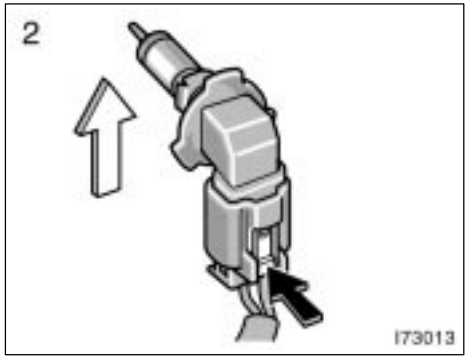
LEFT–HAND HEADLIGHT: Install the washer inlet securely.

Aiming is not necessary after replacing the bulb. When aiming adjustment is necessary, contact your Toyota dealer.

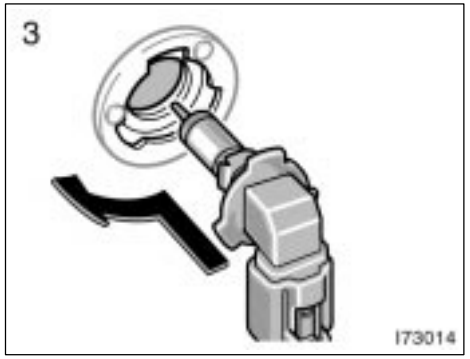
—Front fog lights



1. Turn the bulb base counterclockwise to the front of the vehicle as shown.



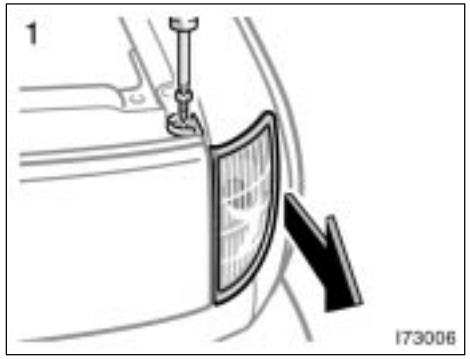
2. Pull the bulb out of the bulb base.
If the connector is tight, wiggle it.



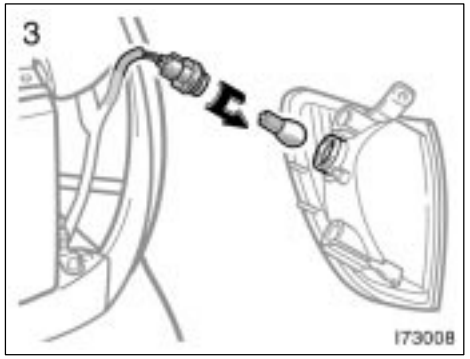
3. Install a new bulb base by turning it clockwise to the front of the vehicle.

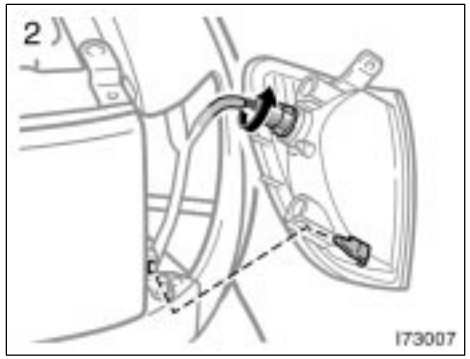
Aiming is not necessary after replacing the bulb. When aiming adjustment is necessary, contact your Toyota dealer.

—Front turn signal and front side marker lights

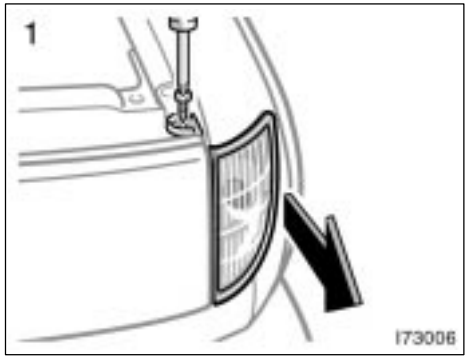


Use a Phillips–head screwdriver.

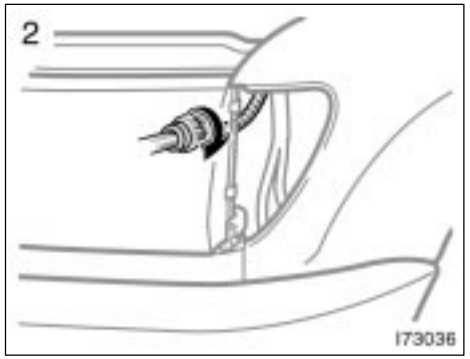




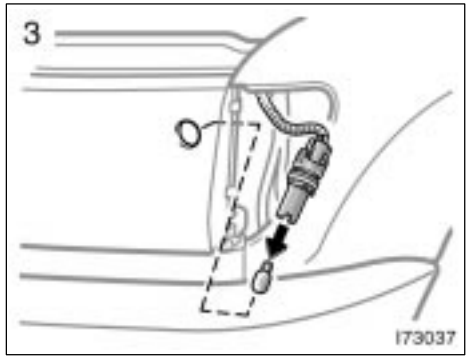
—Parking lights

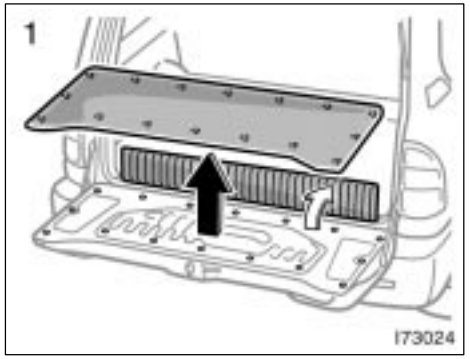


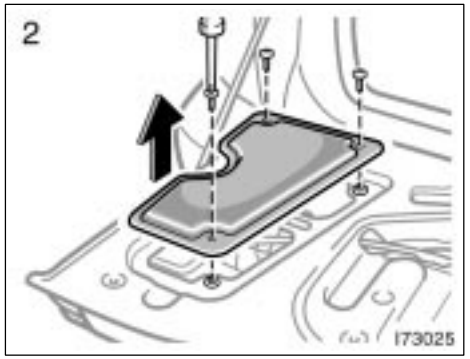
Use a Phillips–head screwdriver.

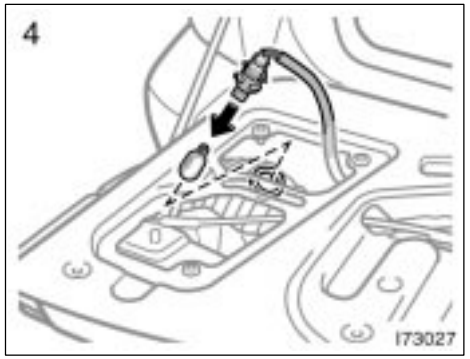


—Stop and tail lights



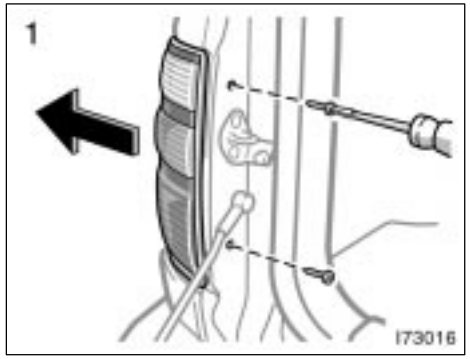




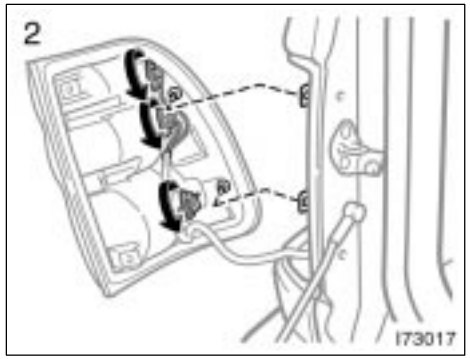


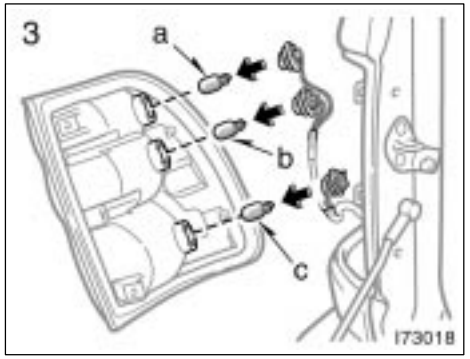
Use a Phillips–head screwdriver.

—Rear turn signal, stop and tail, and back–up lights



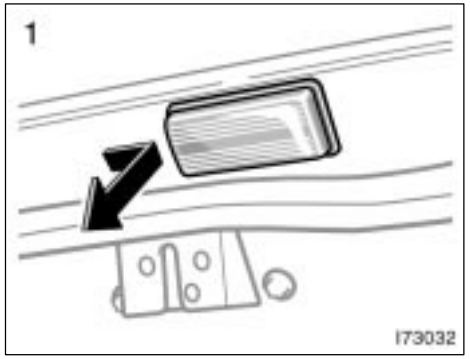
Use a Flat- bladed screwdriver.

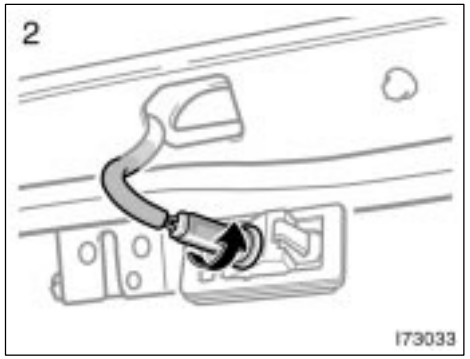


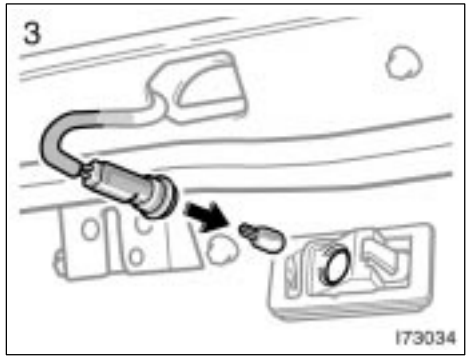


a: Back–up light
b: Rear turn signal light
c: Stop and tail light

—License plate lights







Part 8
SPECIFICATIONS

Dimensions and weight

Overall length	mm (in.)	4890 (192.5)
Overall width	mm (in.)	1940 (76.4)
Overall height	mm (in.)	1875 (73.8)*1
Wheelbase	mm (in.)	2850 (112.2)
Front tread	mm (in.)	1620 (63.8)
Rear tread	mm (in.)	1615 (63.6)
Vehicle capacity weight (occupants + luggage)	kg (lb.)	590 (1300) 562 (1240)*2

*1: Unladen vehicle
*2: With third seats

Engine

Model:
2UZ- FE

Type:
8 cylinder V type, 4 cycle, gasoline

Bore and stroke, mm (in.):
94.0 × 84.0 (3.70 × 3.30)

Displacement, cm (cu. in.):
4664 (284.5)

Fuel

Fuel type:
Premium unleaded gasoline, Octane Rating 91 (Research Octane Number 96) or higher for optimum engine performance. However, if such premium type cannot be obtained, you may temporarily use unleaded gasoline with an Octane Rating as low as 87 (Research Octane Number 91).

Fuel tank capacity, L (gal., Imp. gal.):
96 (25.4, 21.1)

Service specifications

ENGINE

Valve clearance (engine cold), mm (in.):

Intake	0.15—0.25 (0.006—0.010)
Exhaust	0.25—0.35 (0.010—0.014)

Spark plug type:

DENSO	SK20R11
NGK	IFR6A11

Spark plug gap, mm (in.):
1.1 (0.043)

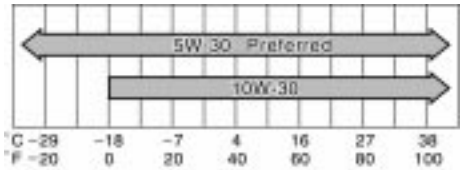
ENGINE LUBRICATION

Oil capacity (drain and refill), L (qt., Imp. qt.)

With filter	6.8 (7.2, 6.0)
Without filter	6.4 (6.8, 5.6)

Oil grade:
API grade SH, "Energy-Conserving II" SJ, "Energy-Conserving" multigrade engine oil or ILSAC multigrade engine oil is recommended.

Recommended oil viscosity (SAE):



Temperature range anticipated before next oil change

OIL05U

COOLING SYSTEM

Total capacity, L (qt., Imp. qt.)

Without rear heater	14.8 (15.6, 13.0)
With rear heater	15.3 (16.2, 13.5)

Coolant type:
With ethylene-glycol antifreeze (Do not use alcohol type.)

BATTERY

Open voltage* at 20 C (68 F):

12.6—12.8 V	Fully charged
12.2—12.4 V	Half charged
11.8—12.0 V	Discharged

*: Voltage that is checked 20 minutes after the key is removed with all the lights turned off

Charging rates:
5 A max.

TRANSFER

Oil capacity, L (qt., Imp. qt.)
1.3 (1.4, 1.1)

Oil type:
Gear oil API GL-4 or GL-5

Recommended oil viscosity:
SAE 75W-90

AUTOMATIC TRANSMISSION

Fluid capacity (drain and refill), L (qt., Imp. qt.)
Up to 1.9 (2.0, 1.7)

Fluid type:
Automatic transmission fluid D–II or DEXRON® III (DEXRON® II)

DIFFERENTIAL

Oil capacity, L (qt., Imp. qt.):
Front 1.7 (1.8, 1.5)
Rear
With rear differential lock system 3.2 (3.4, 28)
Without rear differential lock system 3.3 (3.5, 2.9)

Oil type:
Standard differential
Hypoid gear oil API GL-5
Limited slip differential
Hypoid gear oil for limited slip differential API GL-5

Recommended oil viscosity:
Above -18 C (0 F)
SAE 90
Below -18 C (0 F)
SAE 80W or 80W-90

CHASSIS LUBRICATION

Wheel bearings:
Lithium base wheel bearing grease, NLGI No. 2

Front drive shaft thrust bushings:
Synthetic oil and lithium soap base chassis grease, NLGI No.1

Propeller shafts:
Lithium base wheel bearing grease, NLGI No. 2

BRAKES

Minimum pedal clearance when depressed with the pressure of 490 N (50 kgf, 110 lbf) with the engine running, mm (in.):
116 (4.6)

Pedal freeplay, mm (in.):
1—6 (0.04—0.24)
Pad wear limit, mm (in.):
1.0 (0.04)
Lining wear limit, mm (in.):
1.0 (0.04)
Parking brake adjustment when pulled with the force of 196 N (20 kgf, 44 lbf):
4—6 clicks
Fluid type:
SAE J1703 or FMVSS No. 116 DOT 3

STEERING

Wheel freeplay:
Less than 40 mm (1.6 in.)

Power steering fluid type:
Automatic transmission fluid DEXRON® II or III

SUSPENSION

Fluid type:
Suspension fluid AHC

Tires

Tire size:
P275/70R16 114S

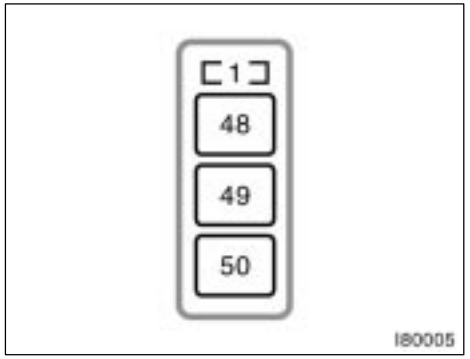
Tire pressure, kPa (kgf/cm^2 or bar, psi):

Normal driving
Front 220 (2.2, 32)
Rear 220 (2.2, 32)
Tailer towing
Front 220 (2.2, 32)
Rear 240 (2.4, 35)

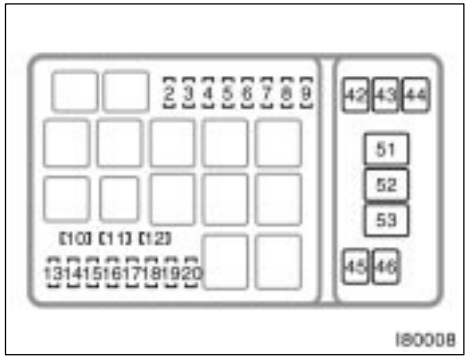
Wheel size:
16 x 8JJ

Wheel nut torque, N·m (kgf·m, ft·lbf):
131 (13.4, 96.6)

Fuses



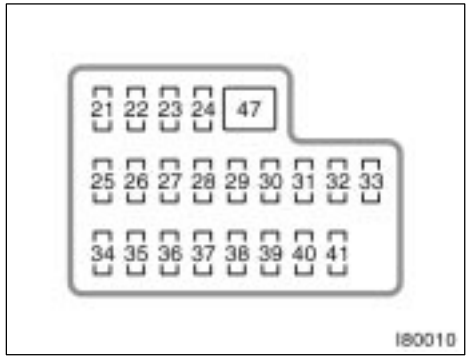
Engine compartment



Engine compartment

Fuses (type A)

1. **ALT-S 7.5 A:** Charging system
2. **AM1 NO.2 20 A:** Starting system, turn signal lights, emergency flashers, all components in "CIGAR", "ECU-IG", "MIRR", "SRS" fuses
3. **A.C 20 A:** Air conditioning system
4. **POWER HTR 10 A:** No circuit
5. **SEAT HTR 15 A:** Seat heaters
6. **FUEL HTR 20 A:** No circuit
7. **MIR HTR 15 A:** Outside rear view mirror heater
8. **HEAD CLNER 20 A:** No circuit
9. **CDS FAN 20 A:** Electric cooling fan
10. **EFI or ECD 20 A:** Multiport fuel injection system/sequential multiport fuel injection system, emission control system, fuel pump
11. **HORN 10 A:** Horns
12. **THROTTLE 15 A:** Electronic throttle control system
13. **RADIO 20 A:** Car audio system
14. **HAZ-TRN 15 A:** Emergency flashers, turn signal lights



Left side kick panel

15. **AM2 30 A:** Starting system, multiport fuel injection system/sequential multiport fuel injection system, all components in "IGN" fuse
16. **TEL 10 A:** No circuit
17. **HEAD(LH-UPR) 20 A:** Left-hand headlight (high beam)
18. **HEAD(RH-UPR) 20 A:** Right-hand headlight (high beam)
19. **HEAD(LH-LWR) 10 A:** Left-hand headlight (low beam), front fog lights
20. **HEAD(RH-LWR) 10 A:** Right-hand headlight (low beam)
21. **MIRR 10 A:** Power rear view mirror
22. **SRS 15 A:** SRS airbag system, seat belt pretensioners
23. **CIGAR 15 A:** Cigarette lighter
24. **IGN 10 A:** Multiport fuel injection system/sequential multiport fuel injection system, anti-lock brake system, SRS airbag system, seat belt pretensioners, discharge warning light
25. **DOME 10 A:** Interior lights, personal lights
26. **AHC-IG 20 A:** No circuit
27. **DIFF 20 A:** Rear differential lock system
28. **GAUGE 15 A:** Gauges and meters, service reminder indicators and warning buzzer (except discharge, open door and SRS airbag warning lights), back-up lights, air conditioning system, electronically controlled automatic transmission system
29. **WIPER 20 A:** Windshield wipers and washer, rear window wiper and washer
30. **I/UP 7.5 A:** Engine idle up system
31. **FR FOG 15 A:** Front fog lights
32. **STOP 15 A:** Stop lights, high mounted stoplight
33. **RR A.C 30 A:** Air conditioning system
34. **DEFOG 20 A:** Rear window defogger
35. **ECU-B 15 A:** Power door lock control system, power windows, rear window wiper and washer, illuminated entry system
36. **TAIL 15 A:** Tail lights, license plate lights, parking lights, instrument panel lights
37. **AHC-B 15 A:** No circuit
38. **OBD 10 A:** On-board diagnosis system
39. **RR HTR 10 A:** Air conditioning system
40. **ECU-IG 15 A:** Anti-lock brake system, shift lock system, power seats
41. **PWR OUTLET 15 A:** Power outlets

Fuses (type B)

42. **ABS NO.1 40 A:** Anti-lock brake system
43. **AHC 50 A:** No circuit
44. **ACC 50 A:** All components in “PWR OUTLET” fuse
45. **ABS NO.2 40 A:** Anti-lock brake system
46. **STARTER 30 A:** Starting system
47. **POWER 40 A:** Power door lock control system, power windows, electric moon roof, power seat

Fuses (type C)

48. **MAIN 100 A:** No circuit
49. **ALT 140 A:** All components in ”J/B NO.2”, ”MIR HTR”, ”SEAT HTR”, ”A.C”, ”AM1 NO.1”, ”AM1 NO.2”, ”ACC”, ”CDS FAN”, ”HTR” and ”ABS NO.1” fuses
50. **J/B NO.2 100 A:** All components in ”ECU-B”, ”FR FOG”, ”AM1 NO.1”, ”TAIL”, ”STOP”, ”DOME”, ”POWER”, ”RR A.C” and ”RR HTR” fuses
51. **AM1 NO.1 80 A:** Charging system, outside rear view mirror heater, all components in ”AM1 NO.2”, ”GAUGE”, ”WIPER”, ”DIFF”, ”DEFOG”, ”A.C” and ”SEAT HTR” fuses
52. **HTR 60 A:** Air conditioning system
53. **GLOW 80 A:** No circuit

Part 9
REPORTING SAFETY DEFECTS FOR U.S. OWNERS AND UNIFORM TIRE QUALITY GRADING

Reporting safety defects for U.S. owners

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Toyota Motor Sales, U.S.A., Inc. (Toll- free: 1- 800- 331- 4331).

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or Toyota Motor Sales, U.S.A., Inc..

To contact NHTSA, you may either call the Auto Safety Hotline toll- free at 1- 800- 424- 9393 (or 366- 0123 in Washington.D.C. area) or write to: NHTSA. U.S.Department of Transportation. Washington.D.C. 20590. You can also obtain other information about motor vehicle safety from the Hotline.

Uniform tire quality grading

This information has been prepared in accordance with regulations issued by the National Highway Traffic Safety Administration of the U.S. Department of Transportation. It provides the purchasers and/or prospective purchasers of Toyota vehicles with information on uniform tire quality grading.

Your Toyota dealer will help answer any questions you may have as you read this information.

DOT quality grades—All passenger vehicle tires must conform to Federal Safety Requirements in addition to these grades. These quality grades are molded on the sidewall.

Treadwear—The treadwear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course. For example, a tire graded 150 would wear one and a half (1-1/2) times as well on the government course as a tire graded 100. The relative performance of tires depends upon the actual conditions of their use, however, and may depart significantly from the norm due to variations in driving habits, service practices and differences in road characteristics and climate.

Traction A, B, C—The traction grades, from highest to lowest, are A, B, and C, and they represent the tire's ability to stop on wet pavement as measured under controlled conditions on specified government test surfaces of asphalt and concrete. A tire marked C may have poor traction performance.

Warning: The traction grade assigned to this tire is based on braking (straightahead) traction tests and does not include cornering (turning) traction.

Temperature A, B, C—The temperature grades are A (the highest), B, and C, representing the tire's resistance to the generation of heat and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel. Sustained high temperature can cause the material of the tire to degenerate and reduce tire life, and excessive temperature can lead to sudden tire failure. The grade C corresponds to a level of performance which all passenger car tires must meet under the Federal Motor Vehicle Safety Standard No. 109. Grades B and A represent higher levels of performance on the laboratory test wheel than the minimum required by law.

Warning: The temperature grades for this tire are established for a tire that is properly inflated and not overloaded. Excessive speed, underinflation, or excessive loading, either separately or in combination, can cause heat buildup and possible tire failure.

Part 10
INDEX

E

F

G

H

I

J

K

L

M

N

O

P

WWW.MANUALS.WS

Q

R

S

T

U

V

W

Quick index

Gas station information

Fuel type:
Premium UNLEADED gasoline, Octane Rating 91 (Research Octane Number 96) or higher for optimum engine performance. However, if such premium type cannot be obtained, you may temporarily use unleaded gasoline with an Octane Rating as low as 87 (Research Octane Number 91).

See page 153 for detailed information.

Fuel tank capacity: 96 L (25.4 gal., 21.1 lmp.gal.)

Engine oil:
API grade SH, ”Energy- Conserving II” or SJ, ”Energy- Conserving” multigrade engine oil or ILSAC multigrade engine oil is recommended.

See page 221 for detailed information.

Automatic transmission fluid:
Automatic transmissioin fluid D- II or DEXRON®III (DEXRON®II)

Tire information: See page 225 through 229.

Tire pressure: See page 245.

Publication No. OM60747U
Part No. 01999-60747
Printed in Japan 01- 9801- 00 □
¿¿¿¿¿¿¿¿(¿¿U)