2022 SERENA

OWNER'S MANUAL

For your safety, read carefully and keep in this vehicle.

Foreword

Welcome to the growing family of new NISSAN owners.

This manual was prepared to help you understand the operation and maintenance of your vehicle so that you may enjoy many kilometers (miles) of driving pleasure. Please read through this manual before operating your vehicle.

A separate Warranty Information & Maintenance Booklet explains details about the warranties covering your vehicle.

Your NISSAN dealer knows your vehicle best. When you require any service or have any questions, we will be glad to assist you with the extensive resources available for you.

IMPORTANT SAFETY INFORMATION

Reminders for safety!

Follow these important driving rules to help ensure a safe and complete trip for you and your passengers!

- **NEVER drive under the influence of alcohol or drugs.**
- **ALWAYS observe posted speed limits and never drive too fast for conditions.**
- **ALWAYS use your seat belts and appropriate child restraint systems. Preteen children should be seated in the rear seat.**
- **ALWAYS provide information about the proper use of vehicle safety features to all occupants of the vehicle.**
- **ALWAYS review this Owner's Manual for important safety information.**

When reading the manual

This manual includes information for all options available on this model. Therefore, you may find some information that does not apply to your vehicle.

All information, specifications and illustrations in this manual are those in effect at the time of printing. NISSAN reserves the right to change specifications or designs without notice and without obligation.

MODIFICATION OF YOUR VEHICLE

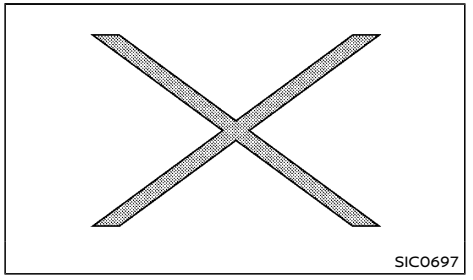
This vehicle should not be modified. Modification could affect its performance, safety or durability, and may even violate governmental regulations. In addition, damage or performance problems resulting from modifications may not be covered under NISSAN warranties.

Read first — then drive safely

Before driving your vehicle, read this Owner's Manual carefully. This will ensure familiarity with controls and maintenance requirements, assisting you in the safe operation of your vehicle.

Throughout this manual we have used the symbol ⚠ followed by the word **WARNING**. This is used to indicate the presence of a hazard that could cause death or serious personal injury. To avoid or reduce the risk, the procedures must be followed precisely.

The symbol ⚠ followed by the word **CAUTION** is also used throughout this manual to indicate the presence of a hazard that could cause minor or moderate personal injury or damages to your vehicle. To avoid or reduce the risk, the procedures must be followed carefully.



If you see this symbol, it means **"Do not do this"** or **"Do not let this happen"**.

If you see a symbol similar to these in an illustration, it means the arrow points to the front of the vehicle.

Arrows in an illustration that are similar to these indicate movement or action.

Arrows in an illustration that are similar to these call attention to an item in the illustration.

Air bag warning labels:

"NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur."

Be sure to read "Air bag warning labels" (P.1-25).

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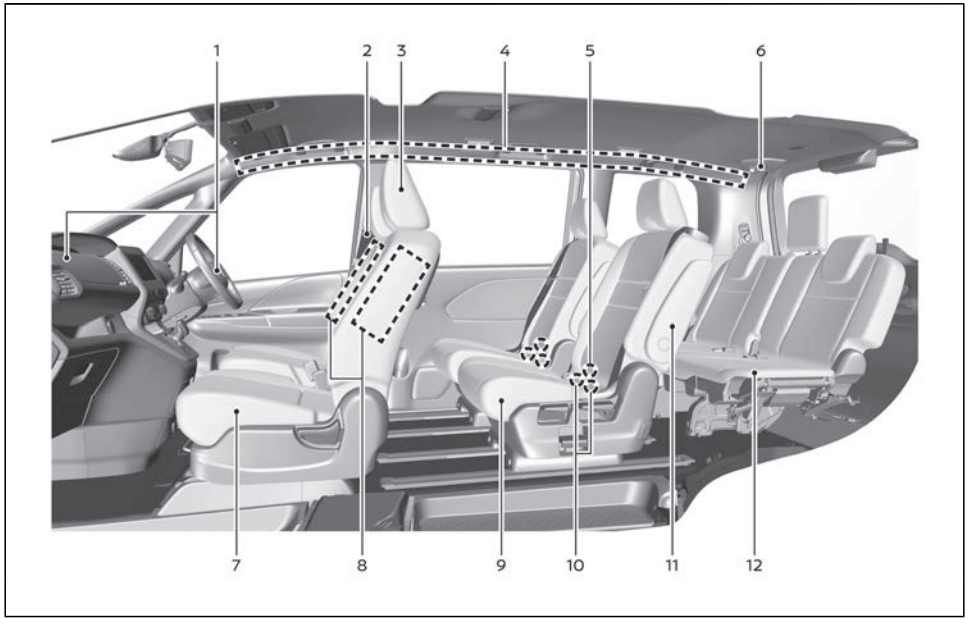

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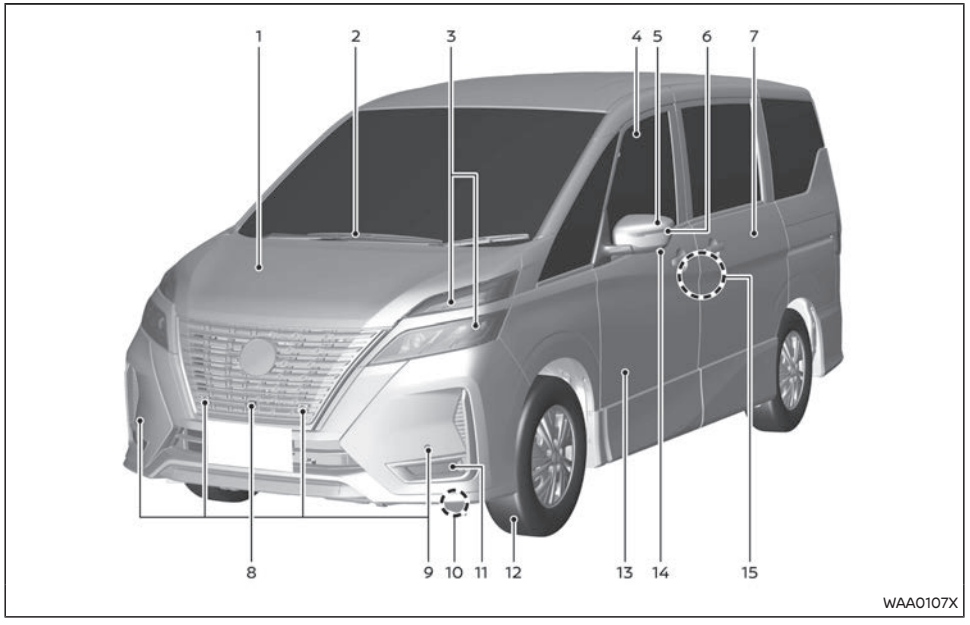
[Edit: 2017/ 3/ 30 Model: HC27-A]

EXTERIOR FRONT



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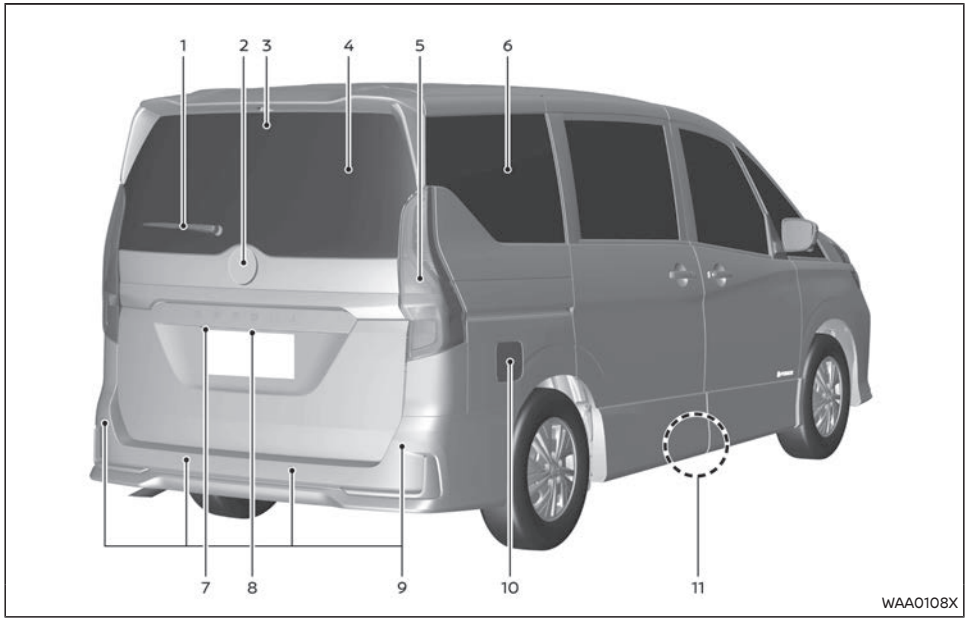
[Edit: 2020/ 10/ 6 Model: HC27-A]

EXTERIOR REAR



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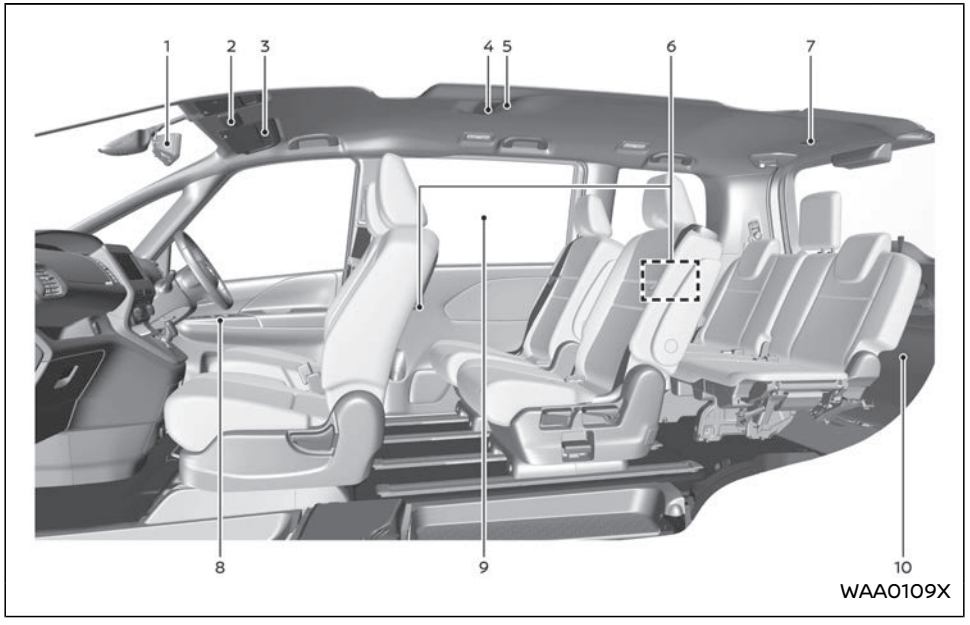

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*. if equipped

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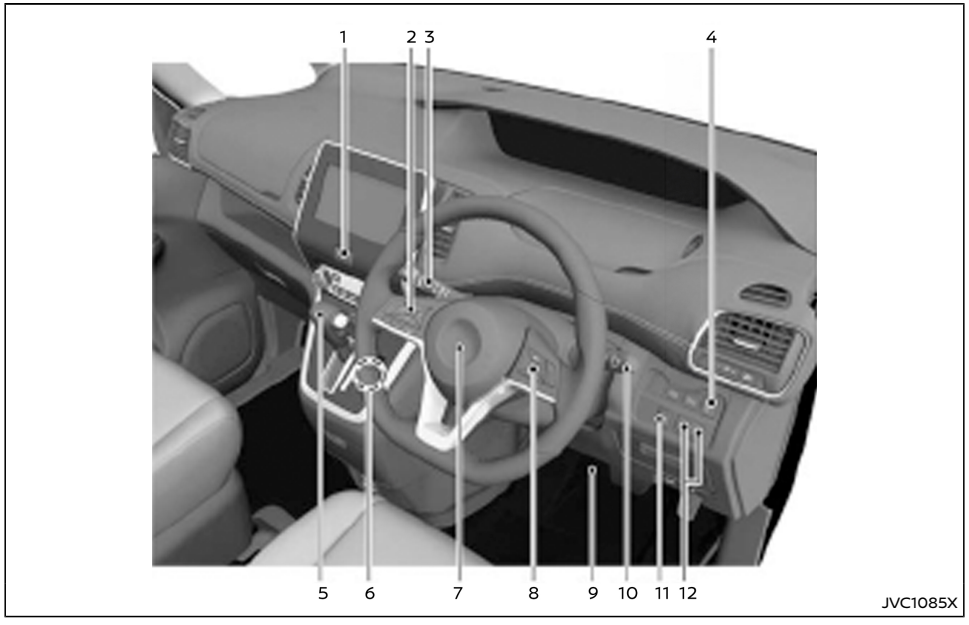

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*. if equipped

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[Edit: 2017/ 3/ 30 Model: HC27-A]

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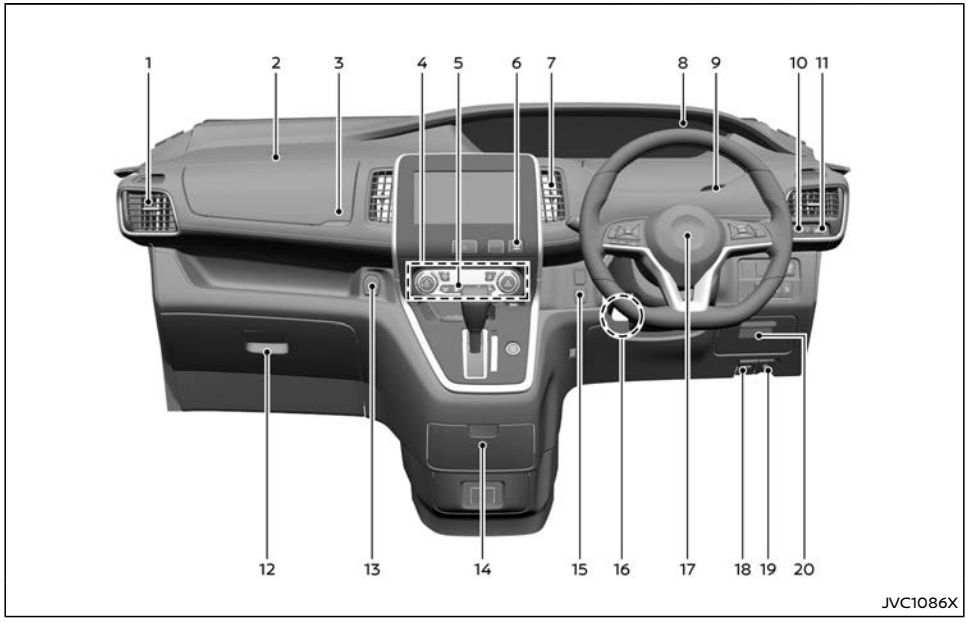

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*: if equipped

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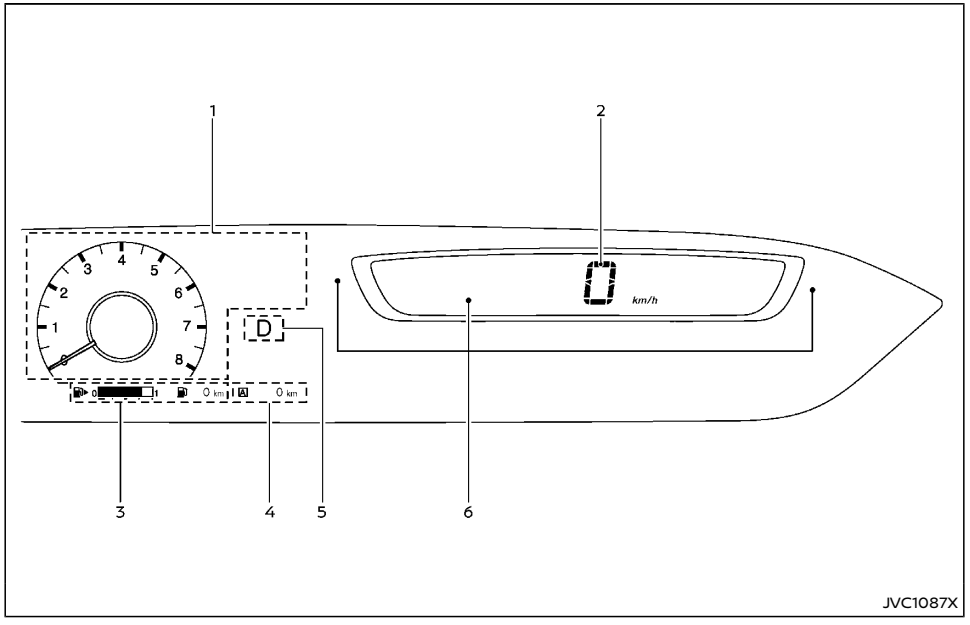

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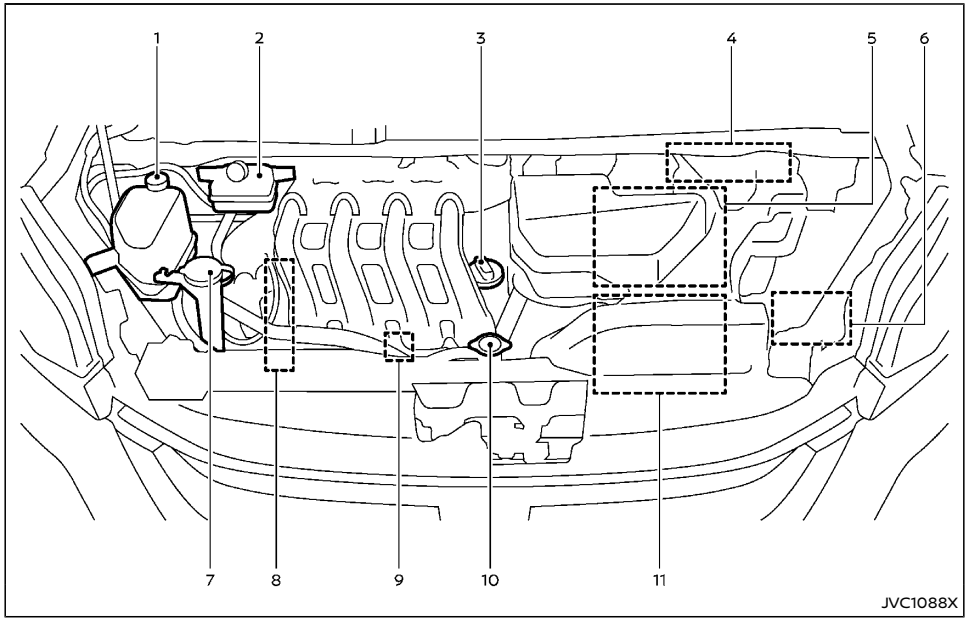
*: if equipped

ENGINE COMPARTMENT

MR20DD ENGINE MODEL



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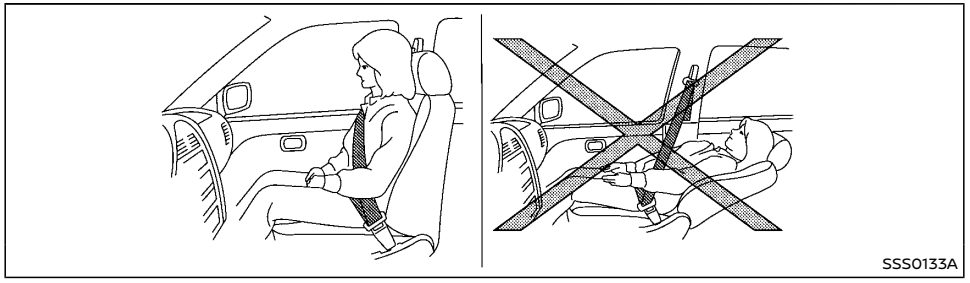
[Edit: 2017/ 3/ 30 Model: C27-A]

MEMO

1 Safety — seats, seat belts and supplemental restraint system

SEATS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WARNING:

- **Do not drive and/or ride in the vehicle with the seatback reclined. This can be dangerous. The shoulder belt will not be properly against the body. In an accident, you and your passengers could be thrown into the shoulder belt and receive neck or other serious injuries. You and your passengers could also slide under the lap belt and receive serious injuries.**
- **For the most effective protection while the vehicle is in motion, the seatback should be upright. Always sit well back and upright in the seat and adjust the seat belt properly. (See "Seat belts" (P.1-10).)**
- **Do not leave children unattended inside the vehicle. They could unknowingly activate switches or controls. Unattended children could become involved in serious accidents.**
- **To help avoid risk of injury or death through unintended operation of the vehicle and/or its systems, do not leave children, people who require the assistance of others or pets unattended in your vehicle. Additionally, the temperature inside a closed vehicle on a warm day can quickly become high enough to cause a significant risk of injury or death to people and pets.**

CAUTION:

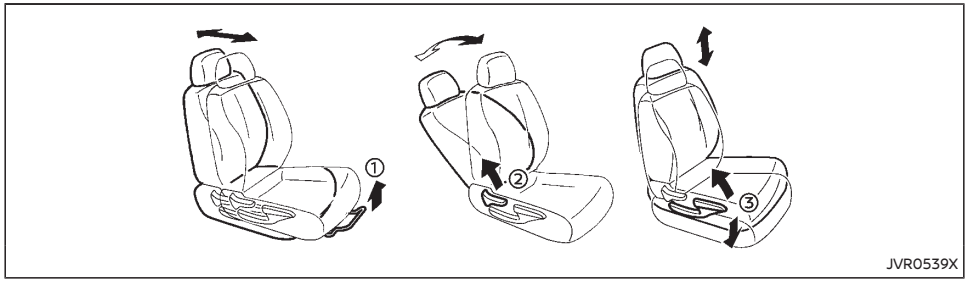
When adjusting the seat positions, be sure not to contact any moving parts to avoid possible injuries and/or damages.

FRONT SEATS

WARNING:

- **Do not adjust the driver's seat while driving so that full attention may be given to vehicle operation.**
- **After adjusting a seat, gently shake the seat to confirm that the seat is locked securely. If the seat is not locked securely, it may move suddenly and could cause loss of control of the vehicle.**
- **When returning the seatbacks to the upright position, be certain they are completely secured in the latched position. If they are not completely secured, passengers may be injured in an accident or sudden stop.**

Forward and backward



1. Pull up the adjusting lever ①.
2. Slide the seat to the preferred position.
3. Release the adjusting lever to lock the seat in position.

Reclining

1. Pull up the adjusting lever ②.
2. Tilt the seatback to the preferred position.
3. Release the adjusting lever to lock the seatback in position.

The reclining feature allows adjustment of the seatback for occupants of different sizes to help obtain the proper seat belt fit. (See "Seat belts" (P.1-9).)

Seat lifter (for driver's seat)

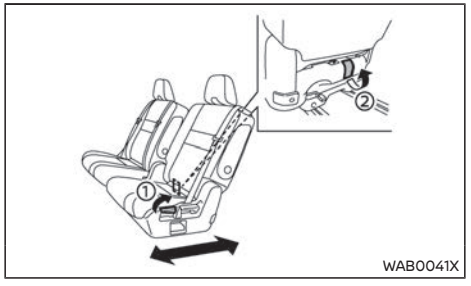
Pull up or push down the adjusting lever ③ repeatedly to adjust the seat height until the preferred position is achieved.

SECOND ROW SEATS

WARNING:

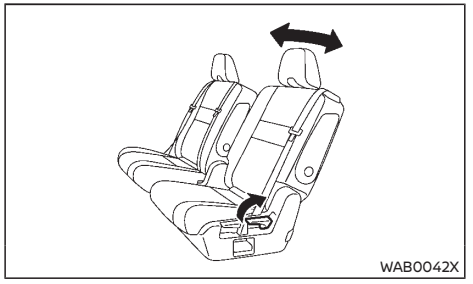
After adjusting the seat, gently shake the seat to confirm that the seat is locked securely. If the seat is not locked securely, it may move suddenly and could cause loss of control of the vehicle.

Forward and backward



1. Pull up the adjusting lever ① or ②.
2. Slide the seat to the desired position.
3. Release the adjusting lever to lock the seat in position.

Reclining



1. Pull up the adjusting lever.
2. Tilt the seatback to the preferred position.
3. Release the adjusting lever to lock the seatback in position.

Walk-in mechanism

The second row seats can tilt and slide for easy entry/exit to/from the third row seats.

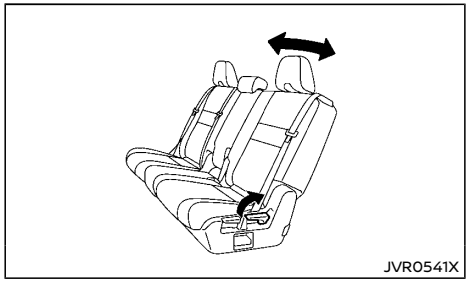
CAUTION:

- **When operating the walk-in mechanism, be sure not to contact any moving parts to avoid possible injuries and/or damage.**
- **When operating the walk-in mechanism, be sure that the second row seats are not occupied by passengers and/or any objects to avoid possible injuries and/or damage.**

position.

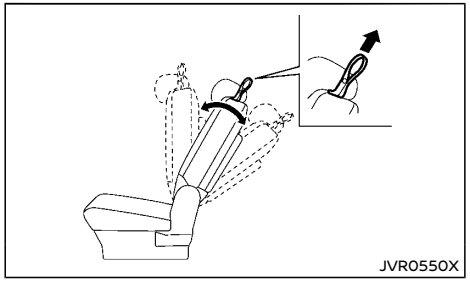
1. Pull up the adjusting lever ① or ②.
2. Slide the seat to the desired position.
3. Release the adjusting lever to lock the seat in position.

Reclining



Outboard seats:

1. Pull up the adjusting lever.
2. Tilt the seatback to the preferred position.
3. Release the adjusting lever to lock the seatback in position.

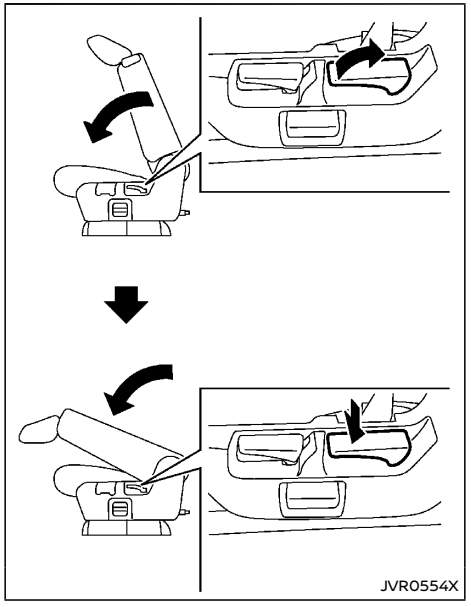


Center seat:

1. Pull the adjusting strap.
2. Tilt the seatback to the preferred position.
3. Release the adjusting strap to lock the seatback in position.

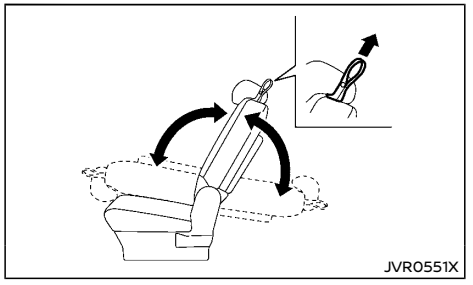
Folding

Outboard seats :



1. Pull up the adjusting lever to fold the seatback.
2. Push down the adjusting lever while folding the seatback flat.
3. To return the seats to a seating position, push up on the seatback until it latches in place.

Center seat:



1. Pull the adjusting strap to fold the seatback flat.
2. To return the seats to a seating position, push up on the seatback until it latches in place.

Walk-in mechanism

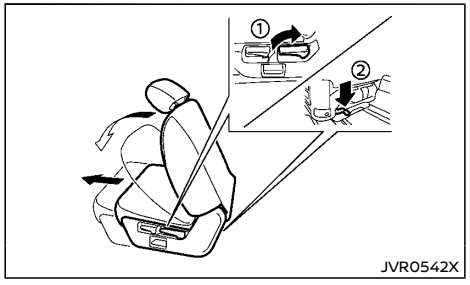
The second row seats can tilt and slide for easy entry/exit to/from the third row seats.

CAUTION:

- **When operating the walk-in mechanism, be sure not to contact any moving parts to avoid possible injuries and/or damage.**
- **When operating the walk-in mechanism, be sure that the second row seats are not occupied by passengers and/or any objects to avoid possible injuries and/or damage.**

- **After operating the walk-in mechanism, be sure to return the seat to the rearmost position and then tilt up the seatback until it latches.**
- **When the left side seat is slid to the vehicle inside, it cannot be used as a 3 person seat. To seat 3 people, use the center seat.**

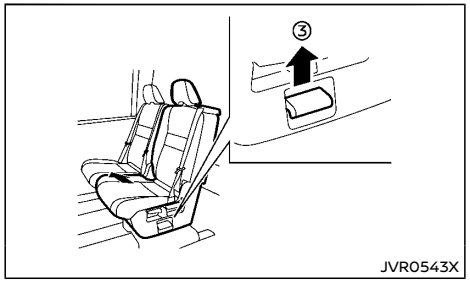
Sliding forward:



Outboard seats

1. Pull up the lever ① or push down the lever ② to tilt down the seatback.
2. Slide the seat forward.

Sliding to vehicle inside:

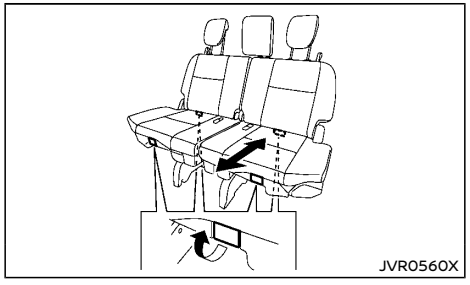


1. Slide the center seat forward to the front seat row.
2. Pull and hold the lever ③ to slide the seat to the vehicle inside and release it to lock the seat in position.

   The lever ③ is located on the left side seat and the right side seat (if equipped).

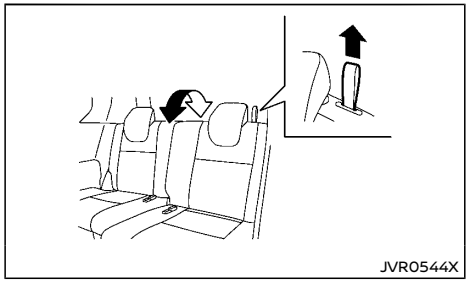
THIRD ROW SEATS

Forward and backward (if equipped)



1. Pull up the adjusting lever.
2. Slide the seat to the desired position.
3. Release the adjusting lever to lock the seat in position.

Reclining

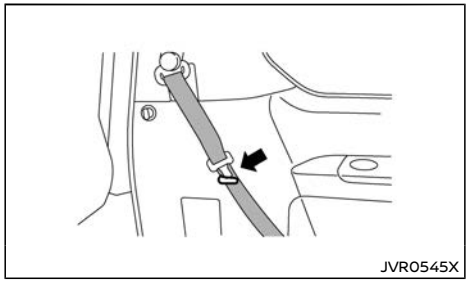


WARNING:

Align the right and left third row seats straight with each other before the third row center seat is occupied. Otherwise, instability may cause injury to the third row center seat passenger.

1. Pull the strap.
2. Tilt the seatback to the preferred position.
3. Release the adjusting strap to lock the seatback in position.

Folding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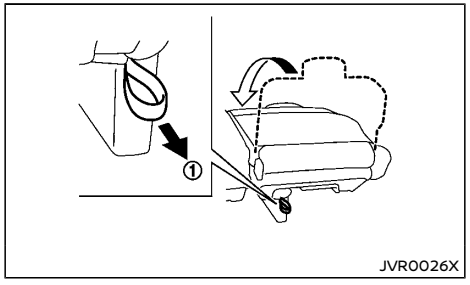
NOTE:

When folding down the third row seats:

- **Store the outboard seat belt as illustrated.**
- **Disconnect and store the center seat belt. (See "Third row center seat belt" (P.1-13).)**
- **Disconnect a USB device from the connector (if equipped) for the third row seat. (See "USB (Universal Serial Bus) charging connector" (P.2-28).)**
- **Store the head restraint properly in a secure place so it is not loose in the vehicle.**

WARNING:

- **Never allow anyone to ride in the luggage area or on the third row seats when they are in the fold-down position. Use of these areas by passengers without proper restraints could result in serious injury in an accident or sudden stop.**
- **Do not fold down the third row seatback when occupants are in the third row seats or any luggage is on the third row seats.**
- **Properly secure all luggage to help prevent it from sliding or shifting. Do not place luggage higher than the seatbacks.**
- **When returning the seatbacks to the upright position, be certain they are completely secured in the latched position. If they are not completely secured, passengers may be injured in an accident or sudden stop.**



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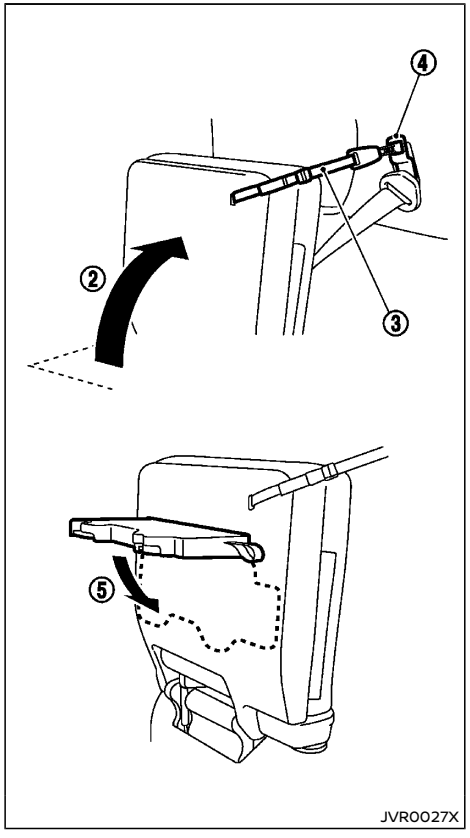
1. Pull the strap ① to unlatch the seat leg. (The seatback will be folded at the same time.)

CAUTION:

The seatback is spring assisted and may move at a rapid rate. Make sure that the seat path is clear before moving the seat.



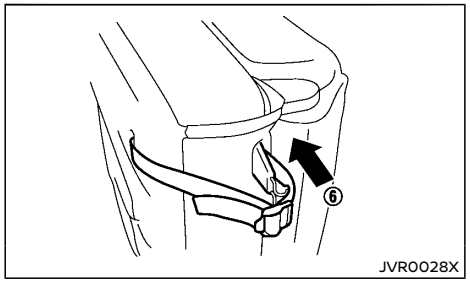
JVR0027X

2. Raise the seat sideways ②.

3. Hook the strap ③ to the hook ④ located on top of the seat belt securely. Then tighten the strap.
4. Fold down the seat leg ⑤.

CAUTION:

Do not twist the strap ③. If the strap becomes loose due to vibrations while driving, it could cause a hazard.



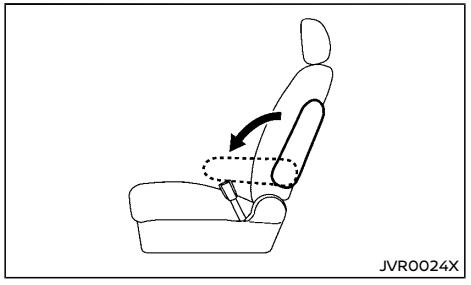
5. When returning the seat, store the strap ⑥ and unfold the seat in the reverse order of folding.

WARNING:

- **Be sure to unfold the seat leg before returning the seat.**
- **Check that the seat leg portion locks firmly after returning the seat to its original position.**

ARMREST

Front and second row seats



Front seat

To use the armrest on any seat, pull it down as shown.

HEAD RESTRAINTS

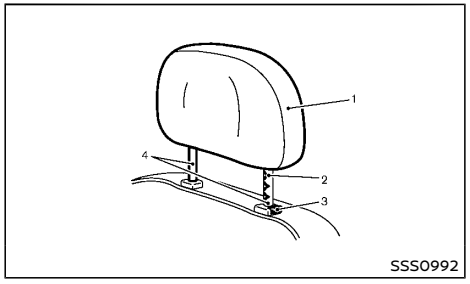
WARNING:

Head restraints supplement the other vehicle safety systems. They may provide additional protection against injury in certain rear end collisions. Adjustable head restraints must be adjusted properly, as specified in this section. Check the adjustment after someone else uses the seat. Do not attach anything to the head restraint stalks or remove the head restraint. Do not use the seat if the head restraint has been removed. If the head restraint was removed, reinstall and properly adjust the head restraint before an occupant uses the seating position. Failure to follow these instructions can reduce the effectiveness of the head restraint. This may increase the risk of serious injury or death in a collision.

- Your vehicle is equipped with a head restraint that may be integrated, adjustable or non-adjustable.
- Adjustable head restraints have multiple notches along the stalk to lock them in a desired adjustment position.
- The non-adjustable head restraints have a single locking notch to secure them to the seat frame.
- Proper Adjustment:
  — For the adjustable type, align the head restraint so the center of your ear is approximately level with the center of the head restraint.
  — If your ear position is still higher than the recommended alignment, place the head restraint at the highest position.
- If the head restraint has been removed, ensure that it is reinstalled and locked in place before riding in that designated

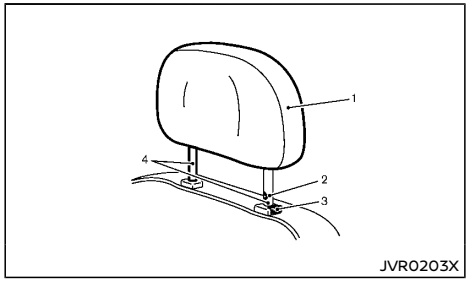
seating position.

ADJUSTABLE HEAD RESTRAINT



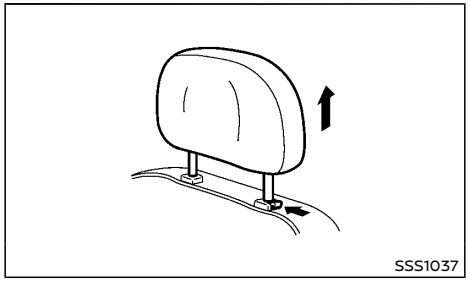
1. Removable head restraint
2. Multiple notches
3. Lock knob
4. Stalks

NON-ADJUSTABLE HEAD RESTRAINT



1. Removable head restraint
2. Single notch
3. Lock knob
4. Stalks

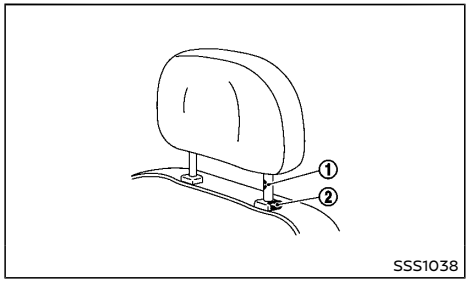
REMOVE



Use the following procedure to remove the head restraint.

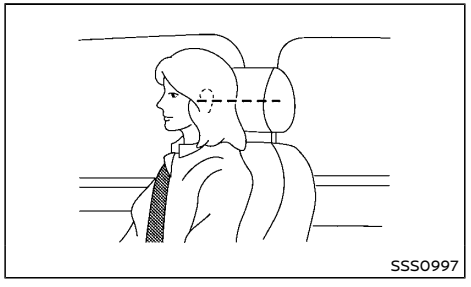
1. Pull the head restraint up to the highest position.
2. Push and hold the lock knob.
3. Remove the head restraint from the seat.
4. Store the head restraint properly in a secure place so it is not loose in the vehicle.
5. Reinstall and properly adjust the head restraint before an occupant uses the seating position.

INSTALL



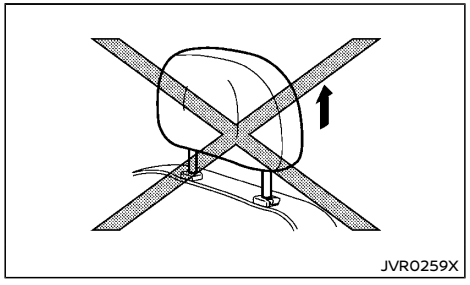
1. Align the head restraint stalks with the holes in the seat. Make sure that the head restraint is facing the correct direction. The stalk with the adjustment notch ① must be installed in the hole with the lock knob ②.
2. Push and hold the lock knob and push the head restraint down.
3. Properly adjust the head restraint before an occupant uses the seating position.

ADJUST



For adjustable head restraint

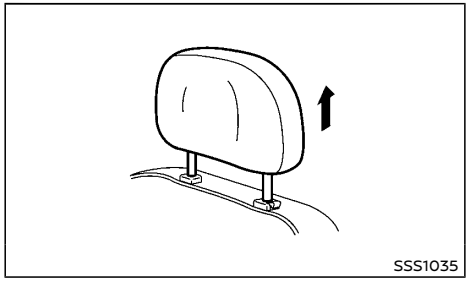
Adjust the head restraint so the center is level with the center of your ears. If your ear position is still higher than the recommended alignment, place the head restraint at the highest position.



For non-adjustable head restraint

Make sure the head restraint is positioned from the stored position or any non-latch position so the lock knob is engaged in the notch before riding in that designated seating position.

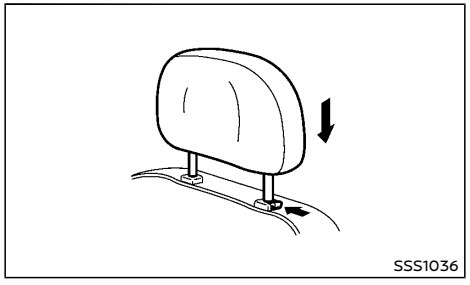
Raise



To raise the head restraint, pull it up.

Make sure the head restraint is positioned from the stored position or any non-latch position so the lock knob is engaged in the notch before riding in that designated seating position.

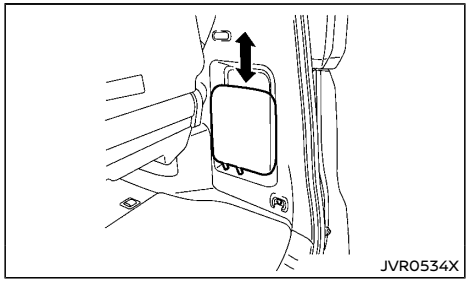
Lower



To lower, push and hold the lock knob and push the head restraint down.

Make sure the head restraint is positioned so the lock knob is engaged in the notch before riding in that designated seating position.

REMOVING OR STOWING THE HEAD RESTRAINT (third row center seat)



The head restraint of the third row center seat is stored in the luggage compartment.

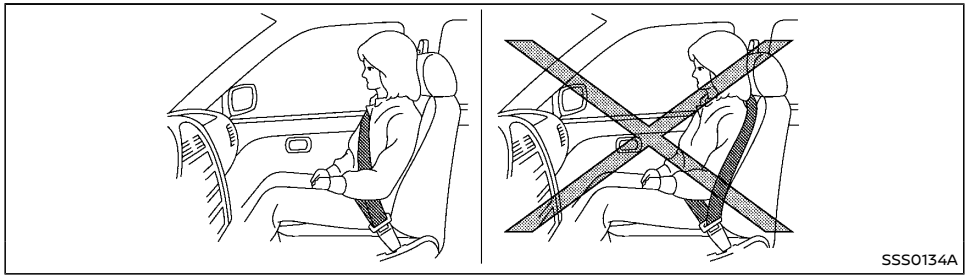
Remove the head restraint from the storage area, and install it in the third row center seat before using the seat.

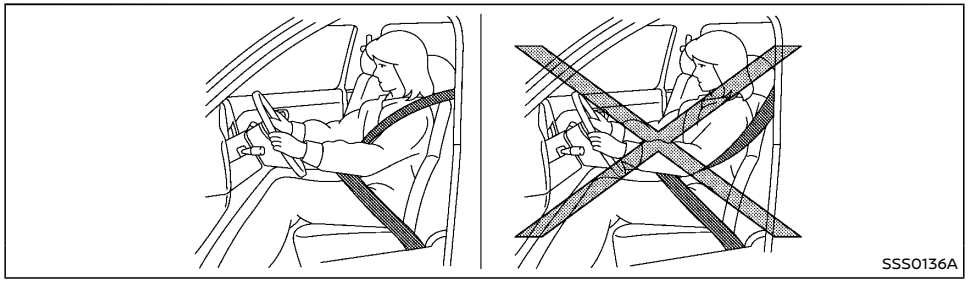
When storing the head restraint, make sure that the head restraint is facing the correct direction as illustrated.

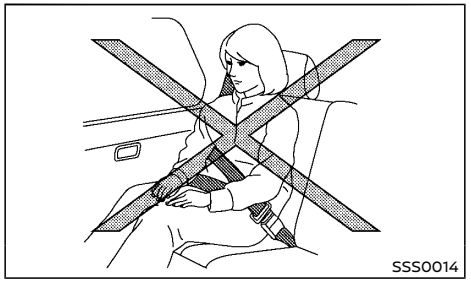
SEAT BELTS

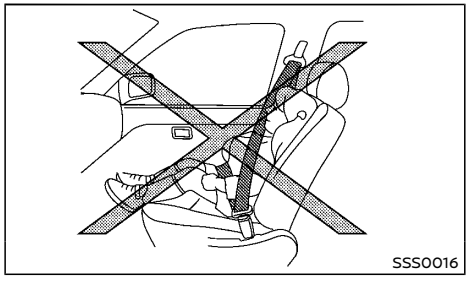
PRECAUTIONS ON SEAT BELT USAGE

If you are wearing the seat belt properly adjusted and sitting upright and well back in the seat, chances of being injured or killed in an accident and/or the severity of injury may be greatly reduced. NISSAN strongly encourages you and all of your passengers to buckle up every time you drive, even if your seating position includes the supplemental air bag systems.


SSS0134A


SSS0136A


SSS0014


SSS0016

CHILD RESTRAINTS

2. Pull out the seat belt tongue from the retractor base ②.
3. Pull the seat belt and fasten the connector buckle until it clicks ③.

To fasten the seat belt, see "Fastening seat belts" (P.1-11).

WARNING:

When attaching the third row center seat belt connector, be certain that the seatbacks are completely secured in the latched position and the third row center seat belt connector is completely secured.

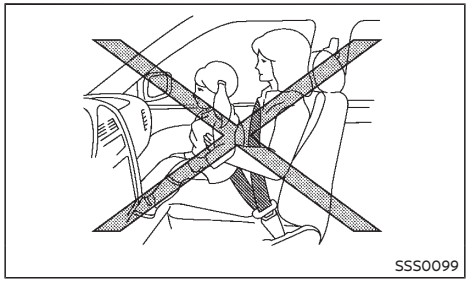
SEAT BELT MAINTENANCE

Periodically check that the seat belt and all the metal components, such as buckles, tongues, retractors, flexible wires and anchors, work properly. Ifloose parts, deterioration, cuts or other damage on the seat belt webbing is found, the entire seat belt assembly should be replaced.

If dirt builds up in the shoulder belt guide of the seat belt anchors, the seat belts may retract slowly. Wipe the shoulder belt guide with a clean, dry cloth.

To clean the seat belt webbing, apply a mild soap solution or any solution recommended for cleaning upholstery or carpet. Then wipe with a cloth and allow the seat belts to dry in the shade. Do not allow the seat belts to retract until they are completely dry.

PRECAUTIONS ON CHILD RESTRAINT USAGE


SSS0099

WARNING:

- **Infants and small children should always be placed in an appropriate child restraint while riding in the vehicle. Failure to use a child restraint can result in serious injury or death.**
- **Infants and small children should never be carried on your lap. It is not possible for even the strongest adult to resist the forces of a severe accident. The child could be crushed between the adult and parts of the vehicle. Also, do not put the same seat belt around both your child and yourself.**
- **NISSAN recommends that the child restraints be installed in the rear seat. According to accident statistics, children are safer when properly restrained in the rear seat than in the front seat.**
- **Improper use or improper installation of a child restraint can increase the risk or severity ofinjury for both the child and other occupants of the vehicle and can lead to serious injury or death in an accident.**
- **Follow all of the child restraint manufacturer's instructions for installation and use. When purchasing a child restraint, be sure to select one which will t your child and vehicle. It may not be possible to properly install some types of child restraint in your vehicle.**
- **The direction of the child restraint, either front-facing or rear-facing, depends on the type of the child restraint and the size of the child. Refer to the child restraint manufacturer's instructions for details.**
- **Adjustable seatbacks should be positioned to ensure full contact between child restraint and seatback.**
- **After attaching a child restraint, test it before you place the child in it. Push it from side to side and tug it forward to make sure that it is held securely in place. The child restraint should not move more than 25 mm (1 in). If the restraint is not secure, tighten the belt as necessary, or install the restraint in another seat and test it again.**
- **When the child restraint is not in use, keep it secured with the ISOFIX child restraint system or a seat belt to prevent it from being thrown around in case of a sudden stop or accident.**
- **Never install a rear-facing child restraint on the front passenger's seat when the front passenger's air bag is available. Supplemental front-impact air bags inflate with great force. A rear-facing child restraint could be struck by the supplemental front-impact air bags in an accident and could seriously injure or kill your child.**

[Edit: 2017/ 3/ 30 Model: C27-A]

Large children

WARNING:

- **Never allow children to stand or kneel on any seats.**
- **Never allow children in the cargo areas while the vehicle is moving. A child could be seriously injured in an accident or sudden stop.**

Children who are too large for a child restraint system should be seated and restrained by the seat belts that are provided.

If the child's seating position has a shoulder belt that fits close to the face or neck, the use of a booster seat (commercially available) may help overcome this. The booster seat should raise the child so that the shoulder belt is properly positioned across the top, middle portion of the shoulder and the lap belt is low on the hips. The booster seat should also fit the vehicle seat. Once the child has grown so that the shoulder belt is no longer on or near the face or neck of the child, use the shoulder belt without the booster seat. In addition, there are many types of child restraint systems available for larger children that should be used for maximum protection.

PREGNANT WOMEN

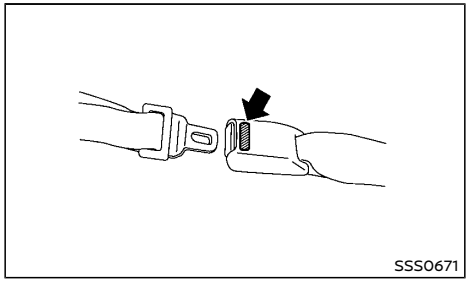
NISSAN recommends that pregnant women use seat belts. The seat belt should be worn snug, and always position the lap belt as low as possible around the hips, not the waist. Place the shoulder belt over your shoulder and across your chest. Never run the lap/shoulder belt over your abdominal area. Contact your doctor for specific recommendations.

INJURED PERSONS

NISSAN recommends that injured persons use seat belts. Contact your doctor for specific recommendations.

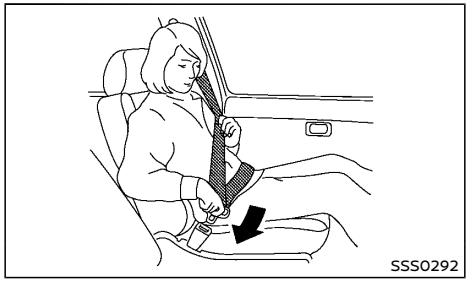
CENTER MARK ON SEAT BELTS

Selecting correct set of seat belts


SSS0671

The center seat belt buckle is identified by the CENTER mark. The center seat belt tongue can be fastened only into the center seat belt buckle.

THREE-POINT TYPE SEAT BELTS


SSS0292

WARNING:

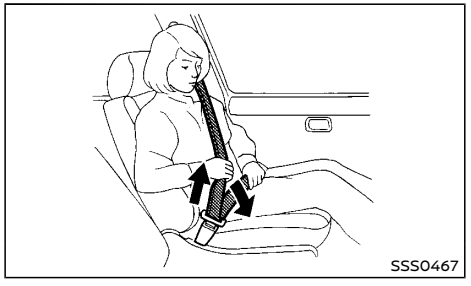
Every person who drives or rides in this vehicle should use a seat belt at all times.

Fastening seat belts

WARNING:

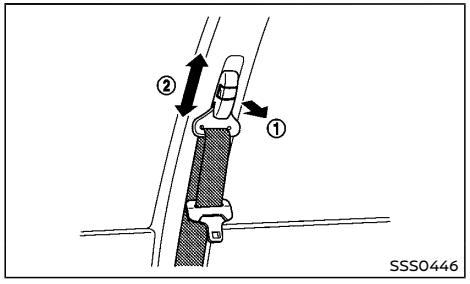
The seatback should not be in a reclined position any more than needed for comfort. Seat belts are most effective when the passenger sits well back and straight up in the seat.

1. Adjust the seat. (See "Seats" (P.1-2).)
2. Slowly pull the seat belt out of the retractor and insert the tongue into the buckle until you hear and feel the latch engage.
   - **The retractor is designed to lock during a sudden stop or on impact. A slow pulling motion permits the seat belt to move, and allows you some freedom of movement in the seat.**
   - **If the seat belt cannot be pulled from its fully retracted position, firmly pull the belt and release it. Then smoothly pull the belt out of the retractor.**


SSS0467

3. Position the lap belt portion low and snug on the hips as shown.
4. Pull the shoulder belt portion toward the retractor to take up extra slack. Be sure the shoulder belt is routed over your shoulder and is snug across your chest.

Shoulder belt height adjustment (if equipped)



WARNING:

- **The shoulder belt anchor height should be adjusted to the position best for you. Failure to do so may reduce the effectiveness of the entire restraint system and increase the chance or severity of injury in an accident.**
- **The shoulder belt should rest on the middle of the shoulder. It must not rest against the neck.**
- **Be sure that the seat belt is not twisted in any way.**
- **Be sure that the shoulder belt anchor is secured by trying to move the shoulder belt anchor up and down after adjustment.**

The shoulder belt anchor height should be adjusted to the position best for you.

The belt should be away from your face and neck, but not falling off your shoulder.

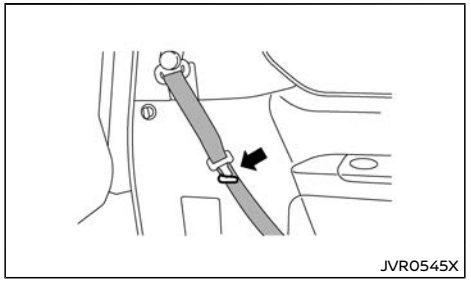
To adjust, pull the release button ① and move the shoulder belt anchor to the proper position ②, so that the belt passes over the center of the shoulder.

Release the button to lock the shoulder belt anchor into position.

Unfastening seat belts

Push the button on the buckle. The seat belt automatically retracts.

Belt hook



Seat belt can be hooked on the belt hook.

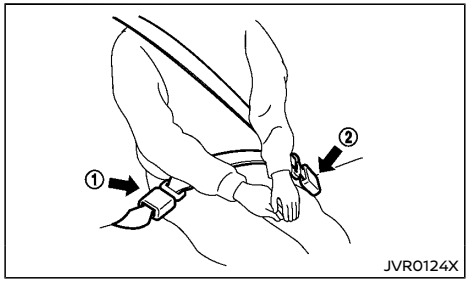
Checking seat belt operation

Seat belt retractors are designed to lock seat belt movement:

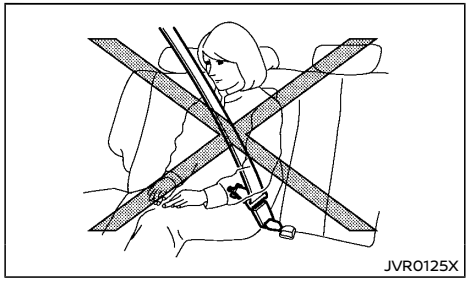
- When the seat belt is pulled quickly from the retractor.
- When the vehicle slows down rapidly.

To increase your confidence in the seat belts, check the operation by grasping the shoulder belt and pulling forward quickly. The retractor should lock and restrict further belt movement. If the retractor does not lock during this check, contact a NISSAN dealer immediately.

Third row center seat belt



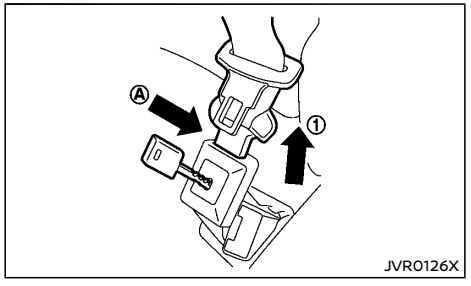
The third row center seat belt has a connector tongue ① and a seat belt tongue ②. Both the connector tongue and the seat belt tongue must be securely latched for proper seat belt operation.



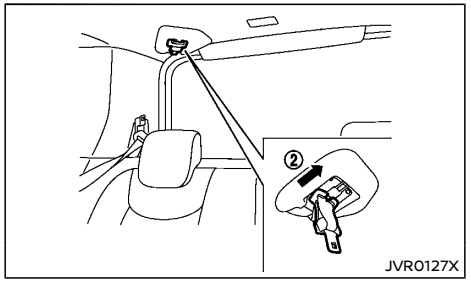
WARNING:

- **Always fasten the connector tongue and the seat belt in the order shown.**
- **Always make sure both the connector tongue and the seat belt tongue are secured when using the seat belt. Do not use it with only the seat belt tongue attached. This could result in serious personal injury in case of an accident or a sudden stop.**

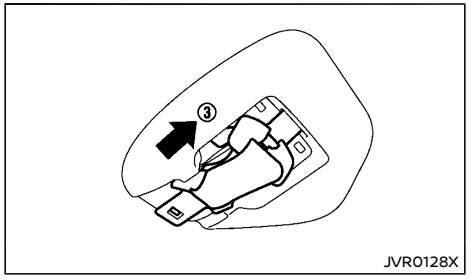
Stowing third row center seat belt:



JVR0126X



JVR0127X



JVR0128X

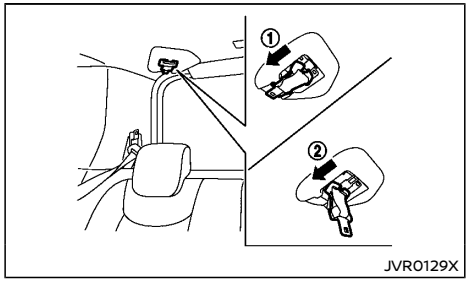
When folding down the third row seat, the center seat belt can be retracted into a stowed position.

1. Hold the connector tongue ① so that the seat belt does not retract suddenly when the tongue is released from the connector buckle. Release the connector tongue by inserting a suitable tool such as key Ⓐ into the connector buckle.
2. Store the seat belt tongue into the retractor base first ②.
3. Store the connector tongue into the retractor base ③.

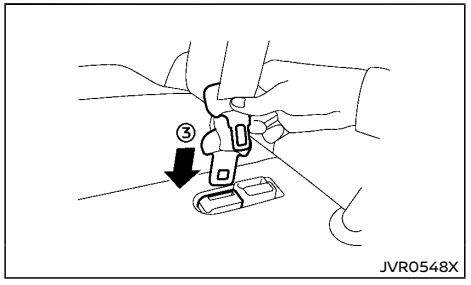
WARNING:

- **Do not unfasten the third row center seat belt connector except when folding down the third row seat.**
- **When attaching the third row center seat belt connector, be certain that the seatbacks are completely secured in the latched position and the third row center seat belt connector is completely secured.**
- **If the third row center seat belt connector and the seatbacks are not secured in the correct position, serious personal injury may result in an accident or sudden stop.**

Attaching third row center seat belt:



JVR0129X



JVR0548X

Always be sure the third row center seat belt connector tongue and connector buckle are attached. Disconnect only when folding down the third row seat.

To connect the buckle:

1. Pull out the connector tongue from the retractor base ①.

CHILD RESTRAINTS

2. Pull out the seat belt tongue from the retractor base ②.
3. Pull the seat belt and fasten the connector buckle until it clicks ③.

To fasten the seat belt, see "Fastening seat belts" (P.1-12).

WARNING:

When attaching the third row center seat belt connector, be certain that the seatbacks are completely secured in the latched position and the third row center seat belt connector is completely secured.

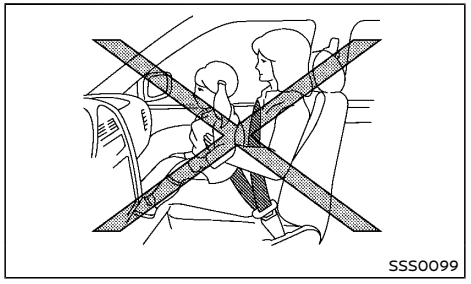
SEAT BELT MAINTENANCE

Periodically check that the seat belt and all the metal components, such as buckles, tongues, retractors, flexible wires and anchors, work properly. If loose parts, deterioration, cuts or other damage on the seat belt webbing is found, the entire seat belt assembly should be replaced.

If dirt builds up in the shoulder belt guide of the seat belt anchors, the seat belts may retract slowly. Wipe the shoulder belt guide with a clean, dry cloth.

To clean the seat belt webbing, apply a mild soap solution or any solution recommended for cleaning upholstery or carpet. Then wipe with a cloth and allow the seat belts to dry in the shade. Do not allow the seat belts to retract until they are completely dry.

PRECAUTIONS ON CHILD RESTRAINT USAGE


SSS0099

WARNING:

- **Infants and small children should always be placed in an appropriate child restraint while riding in the vehicle. Failure to use a child restraint can result in serious injury or death.**
- **Infants and small children should never be carried on your lap. It is not possible for even the strongest adult to resist the forces of a severe accident. The child could be crushed between the adult and parts of the vehicle. Also, do not put the same seat belt around both your child and yourself.**
- **NISSAN recommends that the child restraints be installed in the rear seat. According to accident statistics, children are safer when properly restrained in the rear seat than in the front seat.**
- **Improper use or improper installation of a child restraint can increase the risk or severity of injury for both the child and other occupants of the vehicle and can lead to serious injury or death in an accident.**
- **Follow all of the child restraint manufacturer's instructions for installation and use. When purchasing a child restraint, be sure to select one which will fit your child and vehicle. It may not be possible to properly install some types of child restraint in your vehicle.**
- **The direction of the child restraint, either front-facing or rear-facing, depends on the type of the child restraint and the size of the child. Refer to the child restraint manufacturer's instructions for details.**
- **Adjustable seatbacks should be positioned to ensure full contact between child restraint and seatback.**
- **After attaching a child restraint, test it before you place the child in it. Push it from side to side and tug it forward to make sure that it is held securely in place. The child restraint should not move more than 25 mm (1 in). If the restraint is not secure, tighten the belt as necessary, or install the restraint in another seat and test it again.**
- **When the child restraint is not in use, keep it secured with the ISOFIX child restraint system or a seat belt to prevent it from being thrown around in case of a sudden stop or accident.**
- **Never install a rear-facing child restraint on the front passenger's seat when the front passenger's air bag is available. Supplemental front-impact air bags inflate with great force. A rear-facing child restraint could be struck by the supplemental front-impact air bags in an accident and could seriously injure or kill your child.**

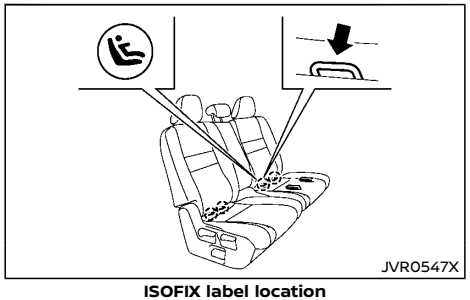
- **If the seat belt in the position where a child restraint is installed requires a locking device and if it is not used, injuries could result from a child restraint tipping over during normal vehicle braking or cornering.**

CAUTION:

Remember that a child restraint system left in a closed vehicle can become very hot. Check the seating surface and buckles before placing your child in a child restraint.

NISSAN recommends that infants and small children be seated in a child restraint. You should choose a child restraint that fits your vehicle and always follow the manufacturer's instructions for installation and use. In addition, there are many types of child restraints available for larger children that should be used for maximum protection.

ISOFIX CHILD RESTRAINT SYSTEM (for second row seats)

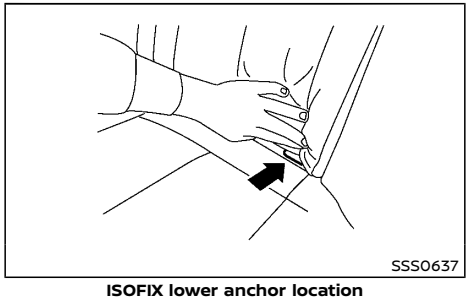


ISOFIX label location

Your vehicle is equipped with special anchor points that are used with ISOFIX child restraint systems.

ISOFIX lower anchor point locations

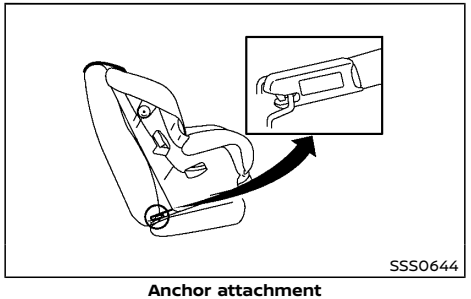
The ISOFIX anchor points are provided to install child restraints in the second row outboard seating positions only. **Do not attempt to install a child restraint in the center seating position using the ISOFIX anchors.**



ISOFIX lower anchor location

The ISOFIX anchors are located as shown. A label is attached to the seatback to help you locate the ISOFIX anchors.

ISOFIX child restraint anchor attachments



Anchor attachment

ISOFIX child restraints include two rigid attachments that can be connected to two anchors located in the seat. With this system, you do not have to use a vehicle seat belt to secure the child restraint. Check your child restraint for a label stating that it is compatible with the ISOFIX child restraints. This information may also be in the instructions provided by the child restraint manufacturer.

ISOFIX child restraints generally require the use of a top tether strap or other anti-rotation devices such as support legs. When installing ISOFIX child restraints, carefully read and follow the instructions in this manual and those supplied with the child restraints. (See "Child restraint installation using ISOFIX" (P.1-17).)

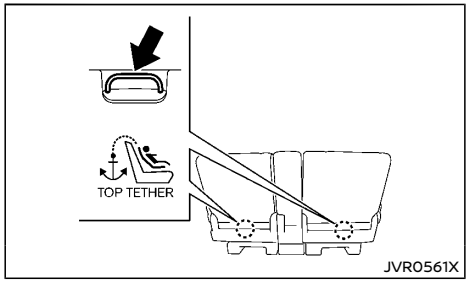
CHILD RESTRAINT ANCHORAGE (for second row seats)

Your vehicle is designed to accommodate a child restraint system on the second row seat. When installing a child restraint system, carefully read and follow the instructions in this manual and those supplied with the child restraint system.

WARNING:

Child restraint anchorages are designed to withstand only those loads imposed by correctly fitted child restraints. Under no circumstances are they to be used for adult seat belts, harnesses or for attaching other items or equipment to the vehicle. Doing so could damage the child restraint anchorages. The child restraint will not be properly installed using the damaged anchorage, and a child could be seriously injured or killed in a collision.

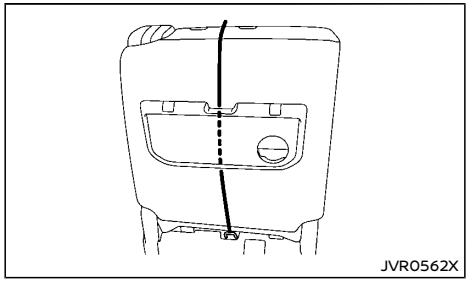
Anchorage location



Your vehicle is designed to accommodate a child restraint system on the second row seat. When installing a child restraint system, remove the head restraint. Carefully read and follow the instructions in this manual and those supplied with the child restraint system.

Anchor points are located as illustrated.

Position the top tether strap over the top of the seatback and secure it to the tether anchorage that provides the straightest installation. Tighten the tether strap according to the manufacturer's instruction to remove any slack.



Position the top tether strap between the seatback and the personal table (if equipped) as illustrated.

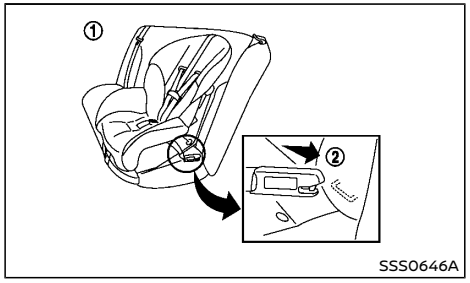
Be sure to store the table while driving. For personal table, see "Personal table " (P.2-31).

CHILD RESTRAINT INSTALLATION USING ISOFIX

WARNING:

- **Attach ISOFIX child restraints only at the specified locations. For the ISOFIX lower anchor locations, see "ISOFIX child restraint system (for second row seats)" (P.1-16). If a child restraint is not secured properly, your child could be seriously injured or killed in an accident.**
- **Do not install child restraints that require the use of a top tether strap to seating positions that do not have a top tether anchor.**
- **Do not secure a child restraint in the center rear seating position using the ISOFIX lower anchors. The child restraint will not be secured properly.**
- **Inspect the lower anchors by inserting your fingers into the lower anchor area and feeling to make sure there are no obstructions over the ISOFIX anchors, such as seat belt webbing or seat cushion material. The child restraint will not be secured properly if the ISOFIX anchors are obstructed.**
- **Child restraint anchorages are designed to withstand only those loads imposed by correctly fitted child restraints. Under no circumstance are they to be used for adult seat belts, harnesses or for attaching other items or equipment to the vehicle. Doing so could damage the child restraint anchorages. The child restraint will not be properly installed using the damaged anchorage, and a child could be seriously injured or killed in a collision.**

Installation on rear outboard seats



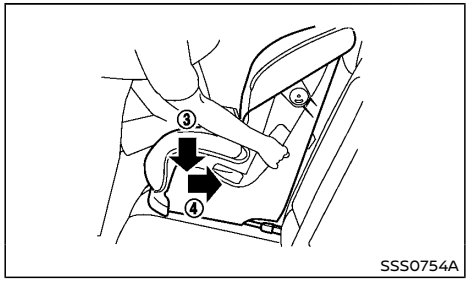
Front-facing: Steps 1 and 2

Front-facing:

Be sure to follow the manufacturer's instructions for the proper use of your child restraint. Follow these steps to install a front-facing child restraint on the second row outboard seats using ISOFIX:

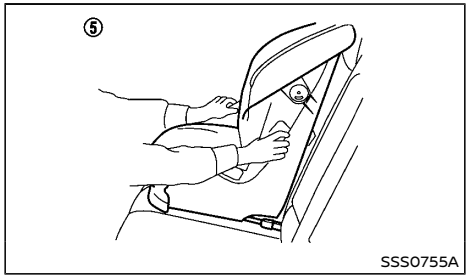
1. Position the child restraint on the seat ①.
2. Secure the child restraint anchor attachments to the ISOFIX lower anchors ②.
3. The back of the child restraint should be secured against the vehicle seat back. If necessary, adjust or remove the head restraint to obtain the correct child restraint fit. If the head restraint is removed, store it in a secure place. Be sure to install the head restraint when the child restraint is removed. If the seating position does not have an adjustable head restraint and it is interfering with the proper child restraint fit, try another seating position or a differ-

ent child restraint. (See "Head restraints" (P.1-7).)



Front-facing: Step 4

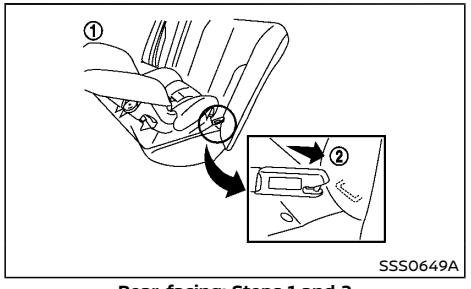
4. Shorten the rigid attachment to have the child restraint firmly tightened; press downward ③ and rearward ④ firmly in the center of the child restraint with your knee to compress the vehicle seat cushion and seatback. Adjustable seatbacks should be positioned to ensure full contact between child restraint and seatback.
5. If the child restraint is equipped with a top tether strap, route the top tether strap and secure the tether strap to the tether anchor point. (See "Child restraint anchorage (for second row seats)" (P.1-16).)
6. If the child restraint is equipped with other anti-rotation devices such as support legs, use them instead of the top tether strap following the child restraint manufacturer's instructions.



Front-facing: Step 7

7. Test the child restraint before you place the child in it ⑤. Push the child restraint from side to side and tug it forward to make sure that it is held securely in place.
8. Check to make sure that the child restraint is properly secured prior to each use. If the child restraint is loose, repeat steps 3 through 7.

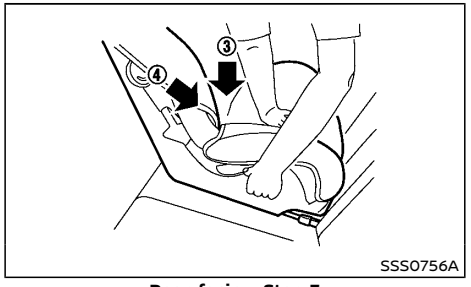
Rear-facing:



Rear-facing: Steps 1 and 2

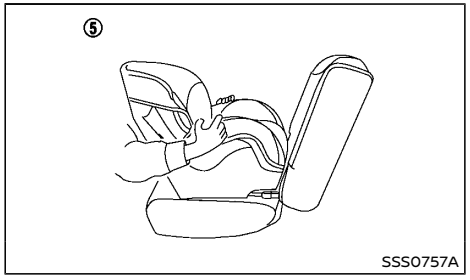
Be sure to follow the manufacturer's instructions for the proper use of your child restraint. Follow these steps to install a rear-facing child restraint on the second row outboard seats using ISOFIX:

1. Position the child restraint on the seat ①.
2. Secure the child restraint anchor attachments to the ISOFIX lower anchors ②.



Rear-facing: Step 3

3. Shorten the rigid attachment to have the child restraint firmly tightened; press downward ③ and rearward ④ firmly in the center of the child restraint with your hand to compress the vehicle seat cushion and seatback.
4. If the child restraint is equipped with a top tether strap, route the top tether strap and secure the tether strap to the tether anchor point. (See "Child restraint anchorage (for second row seats)" (P.1-16).)
5. If the child restraint is equipped with other anti-rotation devices such as support legs, use them instead of the top tether strap following the child restraint manufacturer's instructions.



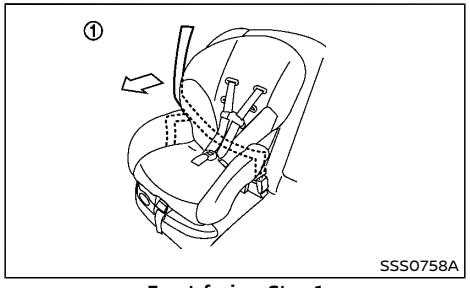
Rear-facing: Step 6

6. Test the child restraint before you place the child in it ⑤. Push the child restraint from side to side and tug it forward to make sure that it is held securely in place.
7. Check to make sure that the child restraint is properly secured prior to each use. If the child restraint is loose, repeat steps 3 through 6.

CHILD RESTRAINT INSTALLATION USING THREE-POINT TYPE SEAT BELT

Installation on rear seats - without automatic locking mode

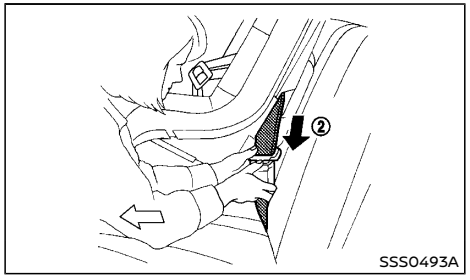
Front-facing:



Front-facing: Step 1

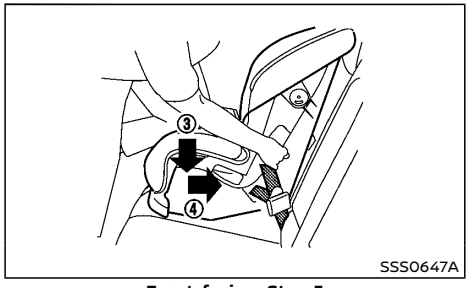
Be sure to follow the manufacturer's instructions for the proper use of your child restraint. Follow these steps to install a front-facing child restraint on the rear seats using three-point type seat belt without automatic locking mode:

1. Position the child restraint on the seat ①.
2. Adjust the head restraint to its highest position. (See "Head restraints" (P.1-7).)



Front-facing: Step 3

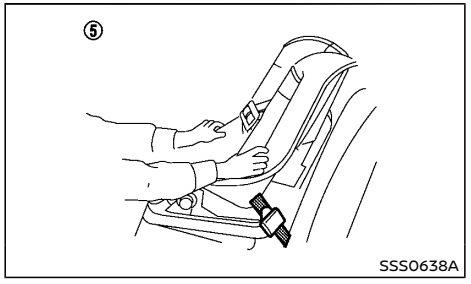
3. Route the seat belt tongue through the child restraint and insert it into the buckle ② until you hear and feel the latch engage.
4. To prevent slack in the seat belt webbing, it is necessary to secure the seat belt in place with locking devices attached to the child restraint.



Front-facing: Step 5

5. Remove any additional slack from the seat belt; press downward ③ and rearward ④ firmly in the center of the child restraint with your knee to compress the vehicle seat cushion and seatback while pulling up on the seat belt. Adjustable seatbacks should be positioned to ensure full contact

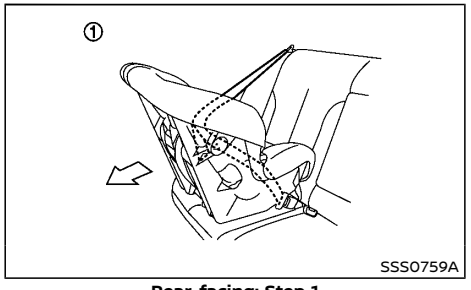
between child restraint and seatback.



Front-facing: Step 6

6. Test the child restraint before you place the child in it ⑤. Push the child restraint from side to side and tug it forward to make sure that it is held securely in place.
7. Check to make sure that the child restraint is properly secured prior to each use. If the child restraint is loose, repeat steps 3 through 5.

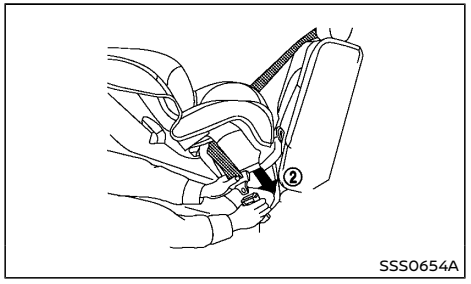
Rear-facing:



Rear-facing: Step 1

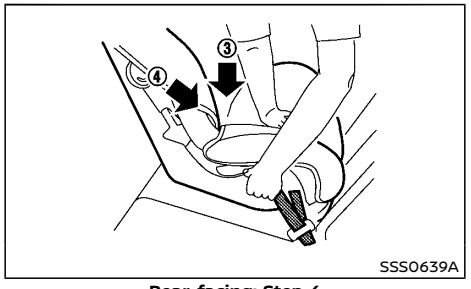
Be sure to follow the manufacturer's instructions for the proper use of your child restraint. Follow these steps to install a rear-facing child restraint on the rear seats using three-point type seat belt without automatic locking mode:

1. Position the child restraint on the seat ①.



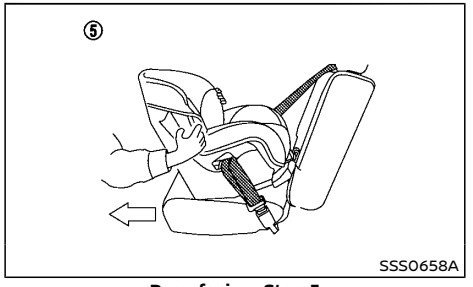
Rear-facing: Step 2

2. Route the seat belt tongue through the child restraint and insert it into the buckle ② until you hear and feel the latch engage.
3. To prevent slack in the seat belt webbing, it is necessary to secure the seat belt in place with locking devices attached to the child restraint.



Rear-facing: Step 4

4. Remove any additional slack from the seat belt; press downward ③ and rearward ④ firmly in the center of the child restraint with your hand to compress the vehicle seat cushion and seatback while pulling up on the seat belt.

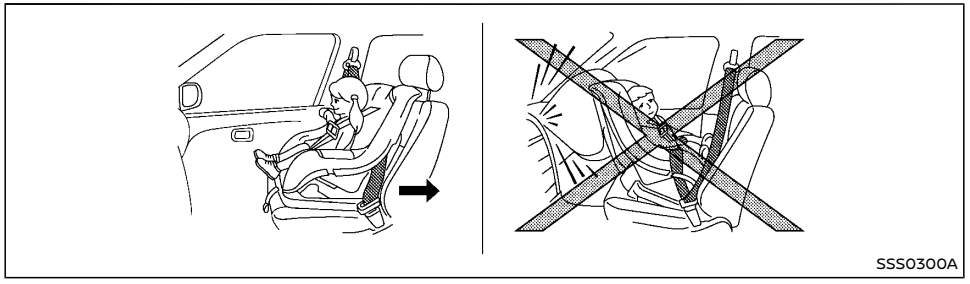


Rear-facing: Step 5

5. Test the child restraint before you place the child in it ⑤. Push the child restraint from side to side and tug it forward to make sure that it is held securely in place.
6. Check to make sure that the child restraint is properly secured prior to each use. If the child restraint is loose, repeat steps 3 through 5.

[Edit: 2017/ 3/ 30 Model: C27-A]

Installation on front passenger's seat

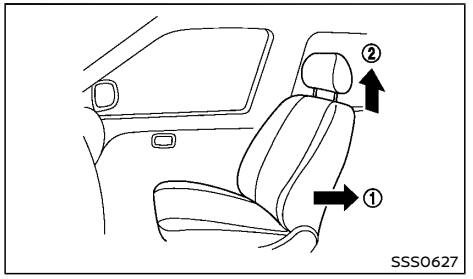

SSS0300A

WARNING:

- **Never install a rear-facing child restraint on the front passenger's seat when the front passenger's air bag is available. Supplemental front-impact air bags inflate with great force. A rear-facing child restraint could be struck by the supplemental front-impact air bags in an accident and could seriously injure or kill your child.**
- **Never install a child restraint with a top tether strap on the front seat.**
- **NISSAN recommends that a child restraint be installed on the rear seat. However, if you must install a child restraint on the front passenger's seat, move the passenger's seat to the rearmost position.**
- **Child restraints for infants must be used in the rear-facing direction and therefore must not be used on the front passenger's seat when the front passenger's air bag is available.**
- **Failure to use the seat belts will result in the child restraint system not being properly secured. It could tip over or otherwise be unsecured and cause injury to the child in a sudden stop or collision.**

Front-facing:

Be sure to follow the manufacturer's instructions for the proper use of your child restraint. Follow these steps to install a front-facing child restraint on the front passenger's seat using three-point type seat belt without automatic locking mode:



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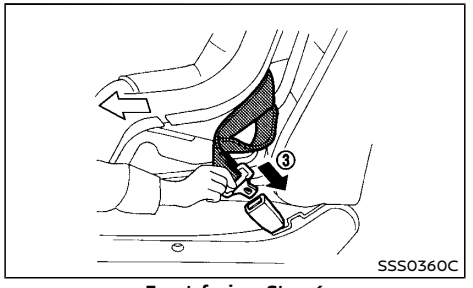
Front-facing: Steps 1 and 2

1. Move the seat to the rearmost position ①.
2. Adjust the head restraint ② to its highest position. (See "Head restraints" (P.1-7).)
3. Position the child restraint in the seat.



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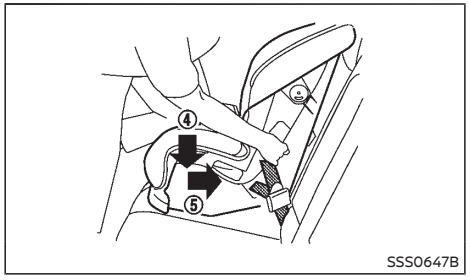
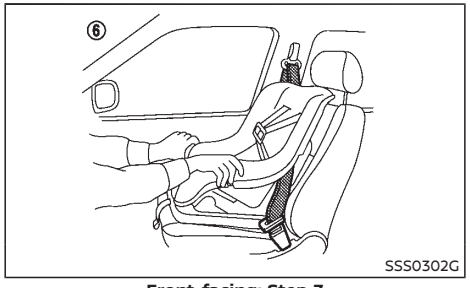
Front-facing: Step 4

4. Route the seat belt tongue through the child restraint and insert it into the buckle ③ until you hear and feel the latch engage.
5. To prevent slack in the seat belt webbing, it is necessary to secure the seat belt in place with locking devices attached to the child restraint.



Front-facing: Step 6

6. Remove any additional slack from the seat belt; press downward ④ and rearward ⑤ firmly in the center of the child restraint with your knee to compress the vehicle seat cushion and seatback while pulling up on the seat belt.



Front-facing: Step 7

7. Test the child restraint before you place the child in it ⑥. Push the child restraint from side to side and tug it forward to make sure that it is held securely in place.
8. Check to make sure that the child restraint is properly secured prior to each use. If the child restraint is loose, repeat steps 5 through 7.

PRECAUTIONS ON SUPPLEMENTAL RESTRAINT SYSTEM (SRS)

This Supplemental Restraint System (SRS) section contains important information concerning the driver's and passenger's supplemental front-impact air bags, supplemental side-impact air bags, supplemental curtain side-impact air bags and pre-tensioner seat belts.

Supplemental front-impact air bag system

This system can help cushion the impact force to the head and chest area of the driver and/or front passenger in certain frontal collisions. The supplemental front-impact air bag is designed to inflate on the front where the vehicle is impacted.

Supplemental side-impact air bag system

This system can help cushion the impact force to the chest area of the driver and front passenger in certain side-impact collisions. The supplemental side-impact air bag is designed to inflate on the side where the vehicle is impacted.

Supplemental curtain side-impact air bag system

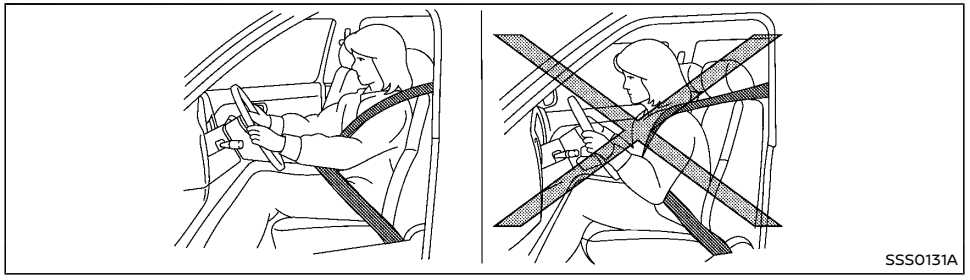
This system can help cushion the impact force to the head of the driver and passengers in front and rear outboard seating positions in certain side-impact collisions. The supplemental curtain side-impact air bag is designed to inflate on the side where the vehicle is impacted.

The SRS is designed to **supplement** the accident protection provided by the driver's and passenger's seat belts and **is not** designed to **substitute** for them. The SRS can help save lives and reduce serious injuries. However, inflating air bags may cause abrasions or other injuries. Air bags do not provide protection to the lower body. Seat belts should always be correctly worn and the occupants should always be seated a suitable distance away from the steering wheel and instrument panel. (See "Seat belts" (P.1-9).) The air bags inflate quickly in order to help protect the occupants. The force of the air bags inflating can increase the risk of injury if the occupants are too close to, or are against, the air bag modules during inflation. The air bags will deflate quickly after deployment.

The SRS operates only when the power switch is in the "ON" position.

When the power switch is in the "ON" position, the SRS air bag warning light illuminates for about 7 seconds and then turns off. This indicates that the SRS air bag system is operational. (See "SRS air bag warning light" (P.1-26).)

[Edit: 2017/ 3/ 30 Model: C27-A]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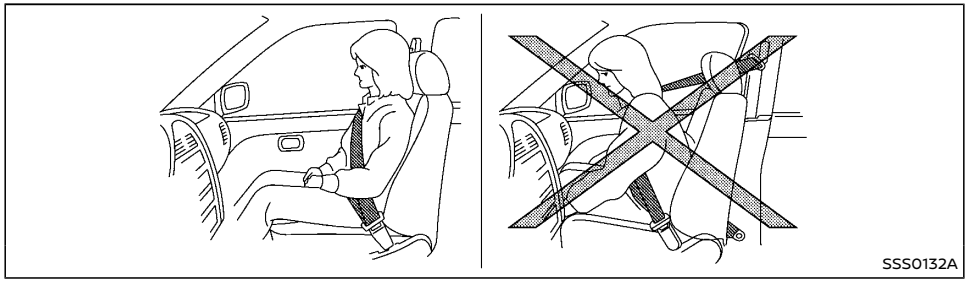
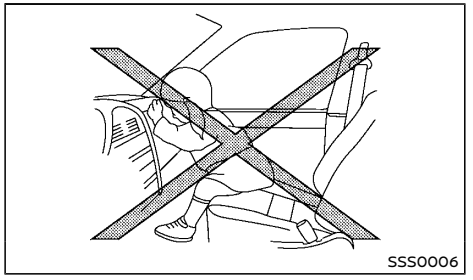
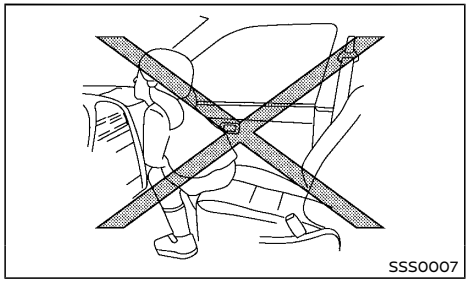
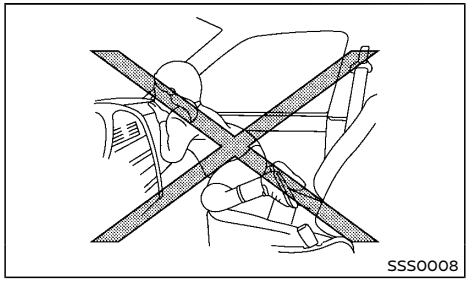

SSS0132A

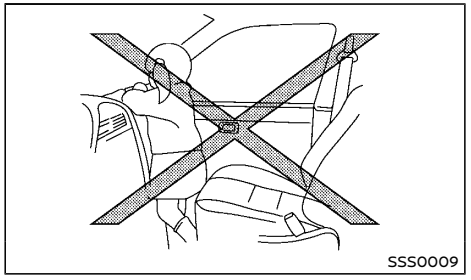

SSS0006


SSS0007


SSS0008

WARNING:

- **The supplemental front-impact air bags ordinarily will not inflate in the event of a side impact, rear impact, rollover, or lower severity frontal collision. Always wear the seat belts to help reduce the risk or severity of injury in accidents.**
- **The seat belts and the supplemental front-impact air bags are most effective when you are sitting well back and upright in the seat. The front-impact air bags inflate with great force. If you and your passengers are unrestrained, leaning forward, sitting sideways, or out of position in any way, you and your passengers are at greater risk of injury or death in an accident. You and your passengers may also receive serious or fatal injuries from the supplemental front-impact air bag if you are up against it when it inflates. Always sit back against the seatback and as far away as practical from the steering wheel or instrument panel. Always use the seat belts.**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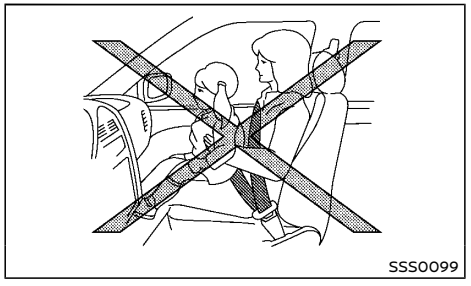
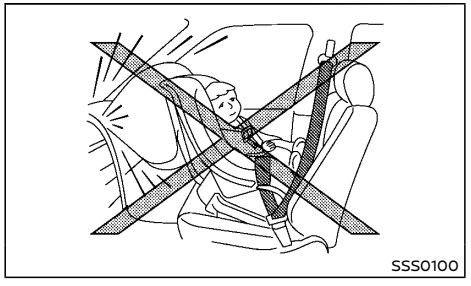
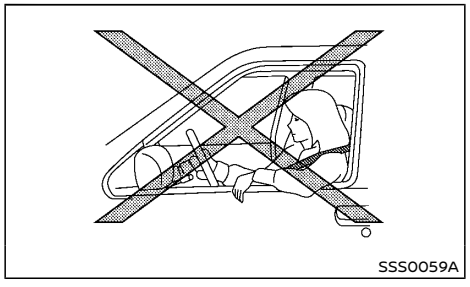
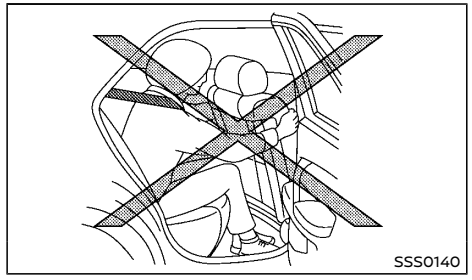

SSS0099

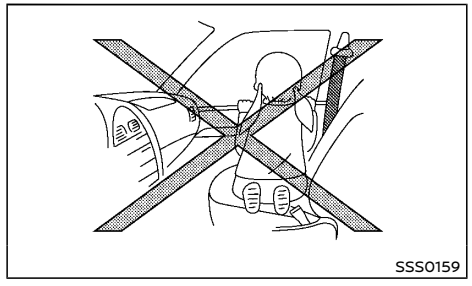

SSS0100

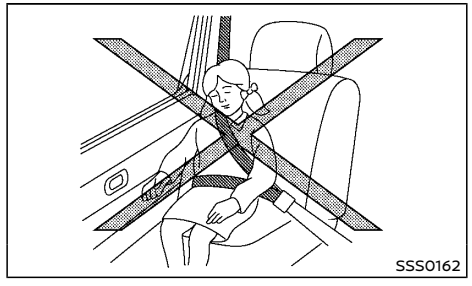
WARNING:

- **Never let children ride unrestrained or extend their hands or face out of the window. Do not attempt to hold them in your lap or arms. Some examples of dangerous riding positions are shown in the illustrations.**
- **Children may be severely injured or killed when the supplemental front-impact air bags, supplemental side-impact air bags, or supplemental curtain side-impact air bags inflate if they are not properly restrained.**
- **Never install a rear-facing child restraint system on the front seat. An inflating supplemental front-impact air bag could seriously injure or kill your child. (See "Child restraints" (P.1-15).)**


SSS0059A


SSS0140


SSS0159


SSS0162

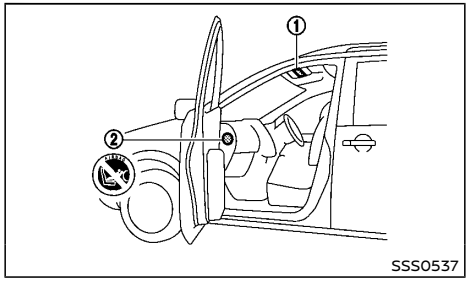
WARNING:

- **The supplemental side-impact air bags and supplemental curtain side-impact air bags ordinarily will not inflate in the event of a front impact, rear impact, rollover, or lower severity side collision. Always wear the seat belts to help reduce the risk or severity of injury in accidents.**
- **The seat belts and the supplemental side-impact air bags and supplemental curtain side-impact air bags are most effective when you are sitting well back and upright in the seat. The supplemental side-impact air bags and supplemental curtain side-impact air bags inflate with great force. If you and your passengers are unrestrained, leaning forward, sitting sideways, or out of position in any way, you and your passengers are at greater risk of injury or death in an accident.**
- **Do not allow anyone to place their hands, legs, or face near the supplemental side-impact air bags and supplemental curtain side-impact air bags on the sides of the seatback of the front seats or near the side roof rails. Do not allow anyone sitting in the front seats or rear outboard seats to extend their hands out of the windows or lean against the doors. Some examples of dangerous riding positions are shown in the illustrations.**
- **When sitting in the rear seats, do not hold onto the seatback of the front seats. If the supplemental side-impact air bags and supplemental curtain side-impact air bags inflate, you may be seriously injured. Be especially careful with children, who should always be properly restrained.**
- **Do not use seat covers on the front seatbacks. They may interfere with the supplemental side-impact air bag inflations.**

Pre-tensioner seat belt system

The pre-tensioner seat belt system activates in conjunction with the supplemental front-impact air bag. Working with the seat belt retractor and anchor (driver's side), it helps tighten the seat belt the instant the vehicle becomes involved in certain types of collisions, helping to restrain front seat occupants. (See "Pre-tensioner seat belt system " (P.1-30).)

Air bag warning labels



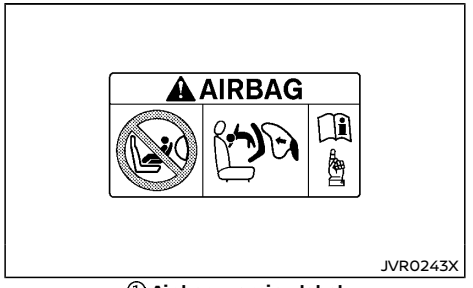
SSS0537

Warning labels about the supplemental air bag system are placed in the vehicle as shown in the illustration.

The warning label ① is located on the surface of the passenger's sun visor.

The warning label ② is located on the side of the passenger's side instrument panel.

The label(s) warn you not to fit a rear-facing child restraint system on the front passenger seat as such a restraint system used in this position could cause serious injury to the infant in case of air bag deployment during a collision.



JVR0243X

① **Air bag warning label**

The label ① warns:

"NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur."

In vehicles equipped with a front-impact passenger air bag system, use a rear-facing child restraint system only on the rear seats.

When installing a child restraint system in your vehicle, always follow the child restraint system manufacturer's instructions for installation. For additional information, see "Child restraints" (P.1-15).

SRS air bag warning light

The SRS air bag warning light, displaying in the meter, monitors the circuits for the air bag systems, pre-tensioner seat belt systems and all related wiring.

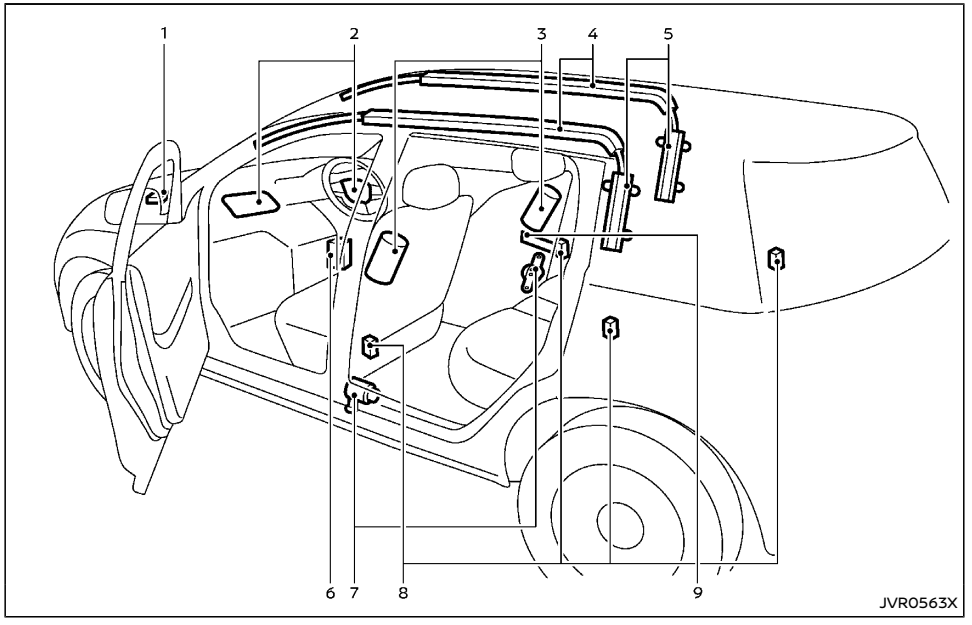
When the ignition switch is in the "ON" position, the SRS air bag warning light illuminates for about 7 seconds and then turns off. This indicates that the SRS air bag systems are operational.

If any of the following conditions occur, the air bag and/or pre-tensioner seat belt systems need servicing:

- The SRS air bag warning light remains on after approximately 7 seconds.
- The SRS air bag warning light does not illuminate at all.

Under these conditions, the air bag and/or pre-tensioner seat belt systems may not operate properly. They must be checked and repaired. Contact a NISSAN dealer immediately.

SUPPLEMENTAL AIR BAG SYSTEMS



1. Crash zone sensor
2. Supplemental front-impact air bag modules
3. Supplemental side-impact air bag modules (if equipped)
4. Supplemental curtain side-impact air bag modules (if equipped)
5. Supplemental curtain side-impact air bag inflators (if equipped)
6. Air bag Control Unit (ACU)
7. Pre-tensioner seat belt retractors
8. Satellite sensors (if equipped)
9. Lap outer pre-tensioner (driver's side)

WARNING:

- **Do not place any objects on the steering wheel pad, on the instrument panel, and near the front door finishers and the**

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front seats. Do not place any objects between any occupants and the steering wheel pad, on the instrument panel, and near the front door finishers and the front seats. Such objects may become dangerous projectiles and cause injury if a supplemental air bag inflates.

- **Immediately after inflation, several supplemental air bag system components will be hot. Do not touch them: you may severely burn yourself.**
- **No unauthorized changes should be made to any components or wiring of the supplemental air bag systems. This is to prevent accidental inflation of the supplemental air bags or damage to the supplemental air bag systems.**
- **Do not make unauthorized changes to your vehicle's electrical system, suspension system, front end structure, and side panels. This could affect proper operation of the supplemental air bag systems.**
- **Tampering with the supplemental air bag systems may result in serious personal injury. Tampering includes changes to the steering wheel and the instrument panel by placing materials over the steering wheel pad and above, around or on the instrument panel or by installing additional trim materials around the supplemental air bag systems.**
- **Work around and on the supplemental air bag systems should be done by a NISSAN dealer. The SRS wiring should not be modified or disconnected. Unauthorized electrical test equipment and probing devices should not be used on the supplemental air bag systems.**
- **The SRS wiring harness connectors are yellow and/or orange for easy identification.**

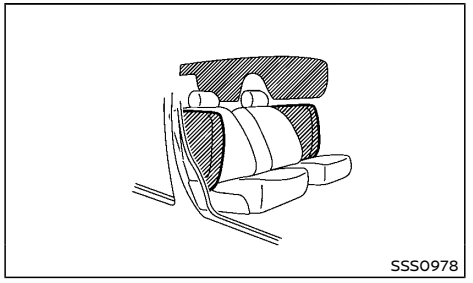
When the air bags inflate, a fairly loud noise may be heard, followed by the release of smoke. This smoke is not harmful and does not indicate a fire. Care should be taken not to inhale it, as it may cause irritation and choking. Those with a history of a breathing condition should get fresh air promptly.

Supplemental front-impact air bag system

The driver's supplemental front-impact air bag is located at the center of the steering wheel. The passenger's supplemental front-impact air bag is located at the instrument panel above the glove box.

The supplemental front-impact air bag system is designed to inflate in higher severity frontal collisions, although it may inflate if the forces in another type of collision are similar to those of a higher severity frontal impact. It may not inflate in certain frontal collisions. Vehicle damage (or lack of it) is not always an indication of proper supplemental front-impact air bag system operation.

Supplemental side-impact air bag system (if equipped)


SSS0978

The supplemental side-impact air bag is located at the outside of the front seats' seatbacks.

The supplemental side-impact air bag system is designed to inflate in higher severity side collisions, although it may inflate if the forces in another type of collision are similar to those of a higher severity side impact. It may not inflate in certain side collisions. Vehicle damage (or lack of it) is not always an indication of proper supplemental side-impact air bag system operation.

Supplemental curtain side-impact air bag system (if equipped)

The supplemental curtain side-impact air bag is located at the roof rails.

The supplemental curtain side-impact air bag system is designed to inflate in higher severity side collisions, although it may inflate if the forces in another type of collision are similar to those of a higher severity side impact. It may not inflate in certain side collisions. Vehicle damage (or lack of it) is not always an indication of proper supplemental curtain side-im-

pact air bag system operation.

SRS AIR BAG DEPLOYMENT CONDITIONS

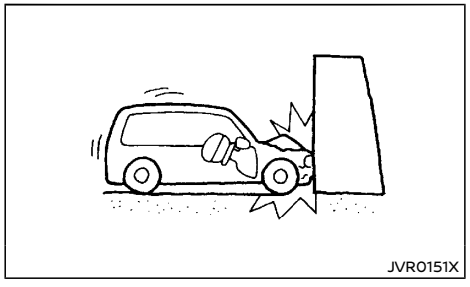
The SRS air bags activate in the event of a front or side impact in which the vehicle occupants may be severely injured even if they are wearing the seat belts properly.

They may not activate when the crash energy is absorbed and/or distributed by the vehicle body. Vehicle damage (or lack of it) is not always an indication of proper SRS air bag system operation.

When the SRS air bag will deploy

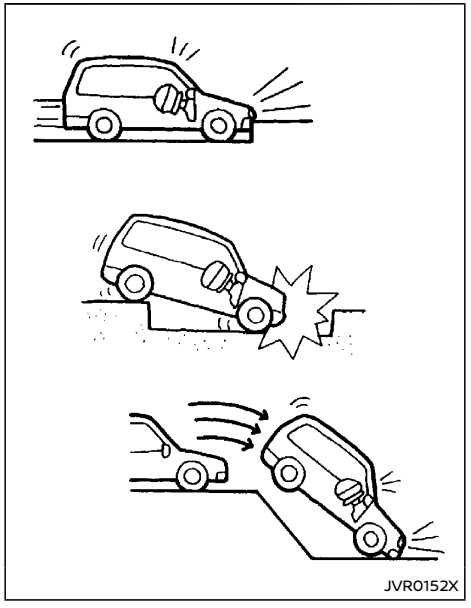
Supplemental front-impact air bags:

The supplemental front-impact air bag system is designed to inflate in higher severity frontal collisions. Some examples are shown in the following illustrations.


JVR0151X

The supplemental front-impact air bag system will deploy in the event of an impact which exceeds a 25 km/h frontal collision with a solid wall that does not move or deform.

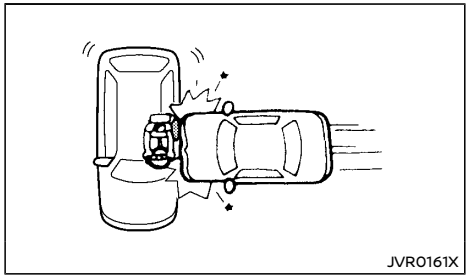
The supplemental front-impact air bag system may also deploy when the vehicle receives severe damage to the undercarriage.


JVR0152X

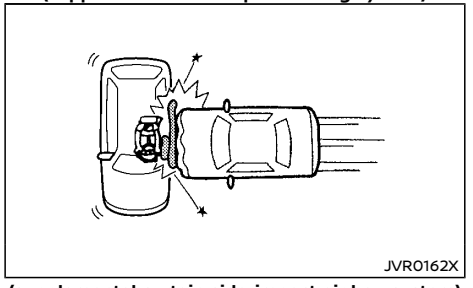
- Hitting a curb, pavement edge or hard surface at high speed
- Falling into a deep hole or ditch
- Landing hard on the ground after jumping

Supplemental side-impact and curtain side-impact air bags (if equipped):

The supplemental side-impact and curtain side-impact air bag systems are designed to inflate in higher severity side collisions. Some examples are shown in the following illustrations.


JVR0161X

(supplemental side-impact air bag system)


JVR0162X

(supplemental curtain side-impact air bag system)

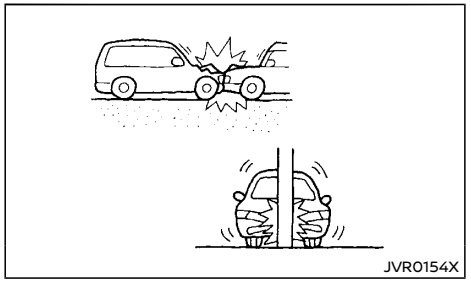
- The supplemental side-impact and curtain side-impact air bags will deploy in the event of a side impact with a normal passenger vehicle that exceeds at a speed of 25 km/h.

When the SRS air bag is unlikely to deploy

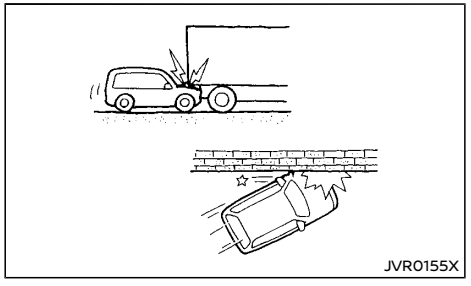
The SRS air bags may not deploy in cases where the impact is not forceful enough to inflate the SRS air bags.

For example, if the vehicle strikes an object, such as a parked vehicle or sign pole, which can move or deform on impact, the SRS air bags are unlikely to deploy.

Supplemental front-impact air bags:

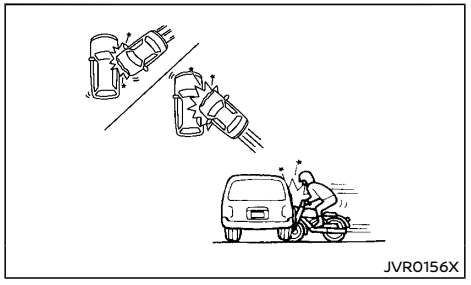


- Striking a vehicle of the same class that is parked
- Crashing into a solid utility pole

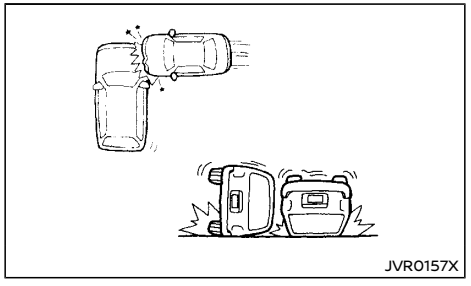


- Running under the tail gate of a truck
- A frontal offset impact to the guard rails

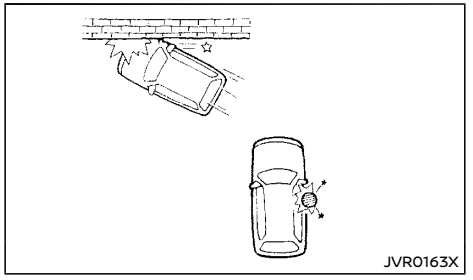
Supplemental side-impact and curtain side-impact air bags (if equipped):



- A collision from the side at an angle
- A side impact with a two-wheeled vehicle



- A collision from the side impacting the vehicle engine room (luggage room)
- Vehicle rollover



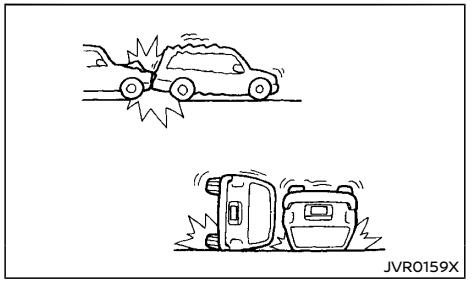
- A frontal offset impact to the guard rails
- A collision with a pole

When the SRS air bag will not deploy

Once the SRS air bag has inflated, the air bag module will not function again if your vehicle collides with another vehicle or an object.

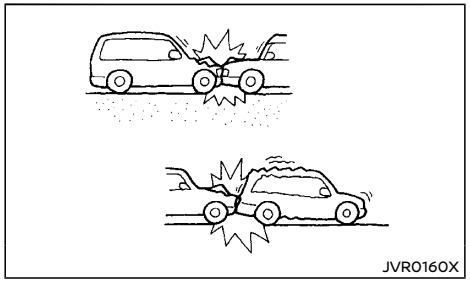
Other examples where the SRS air bag will not deploy are shown in the following illustrations.

Supplemental front-impact air bags:



- A collision from the side or rear
- Vehicle rollover

Supplemental side-impact and curtain side-impact air bags (if equipped):



- A frontal collision with a parked or moving vehicle
- A rear collision

PRE-TENSIONER SEAT BELT SYSTEM

WARNING:

- **The pre-tensioner seat belt cannot be reused after activation. It must be replaced together with the retractor and buckle as a unit.**
- **If the vehicle becomes involved in a collision but the pre-tensioner is not activated, be sure to have the pre-tensioner system checked and, if necessary, replaced by a NISSAN dealer.**
- **No unauthorized changes should be made to any components or wiring of the pre-tensioner seat belt system. This is to prevent accidental activation of the pre-tensioner seat belt or damage to the pre-tensioner seat belt system.**
- **Work around or on the pre-tensioner seat belt system should be done by a NISSAN dealer. The SRS wiring should not be modified or disconnected. Unauthorized electrical test equipment and probing devices should not be used on the pre-tensioner seat belt system.**
- **If you need to dispose of the pre-tensioner seat belt system, or scrap the vehicle, contact a NISSAN dealer. Correct pre-tensioner disposal procedures are set forth in the appropriate NISSAN Service Manual. Incorrect disposal procedures could cause personal injury.**

The pre-tensioner is encased with the front seat belt's retractor and anchor (driver's side). These seat belts are used the same as conventional seat belts.

When the pre-tensioner seat belt activates, a fairly loud noise may be heard, followed by the release of smoke. This smoke is not harmful and does not indicate a fire. Care should be taken not to inhale it, as it may cause irritation and choking. Those with a history of a breathing condition should get fresh air promptly.

REPAIR AND REPLACEMENT PROCEDURE

WARNING:

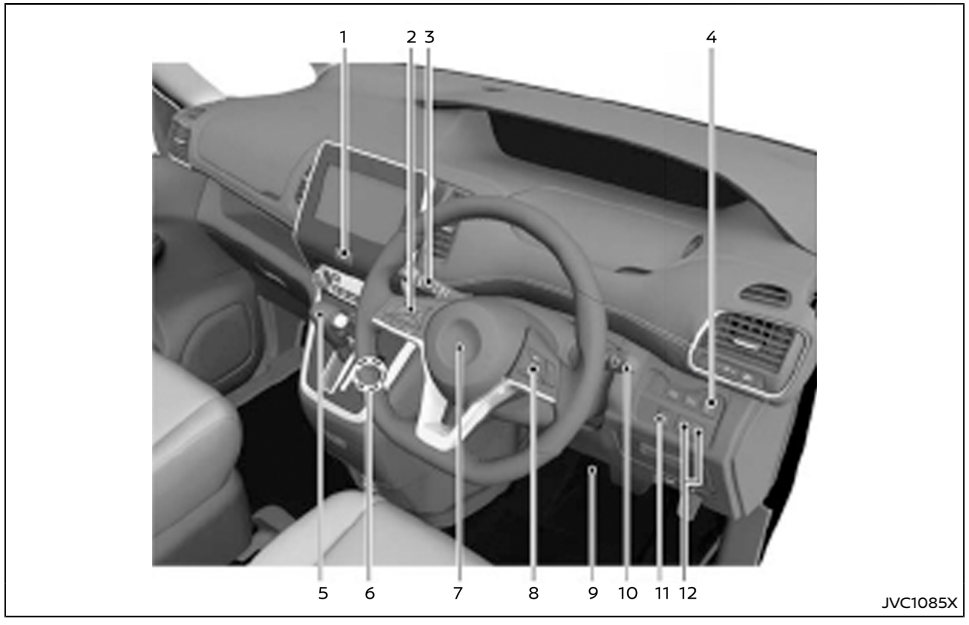
- **Once the air bags have been inflated, the air bag modules will not function and must be replaced. The air bag modules must be replaced by a NISSAN dealer. The inflated air bag modules cannot be repaired.**
- **The air bag systems should be inspected by a NISSAN dealer if there is any damage to the front end portion of the vehicle.**
- **If you need to dispose of the SRS or scrap the vehicle, contact a NISSAN dealer. Correct disposal procedures are set forth in the appropriate NISSAN Service Manual. Incorrect disposal procedures could cause personal injury.**

The air bags and pre-tensioner seat belts are designed to activate on a one-time-only basis. As a reminder, unless the SRS air bag warning light is damaged, the SRS air bag warning light remains illuminated after inflation has occurred. The repair and replacement of the SRS should be done only by a NISSAN dealer.

When maintenance work is required on the vehicle, information about the air bags, pre-tensioner seat belts and related parts should be pointed out to the person performing the maintenance. The ignition switch should always be in the "LOCK" position when working under the hood or inside the vehicle.

2 Instruments and controls

COCKPIT



1. Hazard indicator flasher switch
2. Steering-wheel-mounted controls (left side)
   — Vehicle information display control
3. Wiper and washer switch
4. Idling Stop System OFF switch
5. Shift lever
   — Continuously Variable Transmission (CVT)
6. Push-button ignition switch
7. Steering wheel
   - Horn
8. Steering-wheel-mounted controls (right side)
   - Cruise control switches
9. Parking brake
10. Headlight and turn signal switch/Fog light switch
11. Power sliding door main switch
12. Power sliding door switch

*: if equipped

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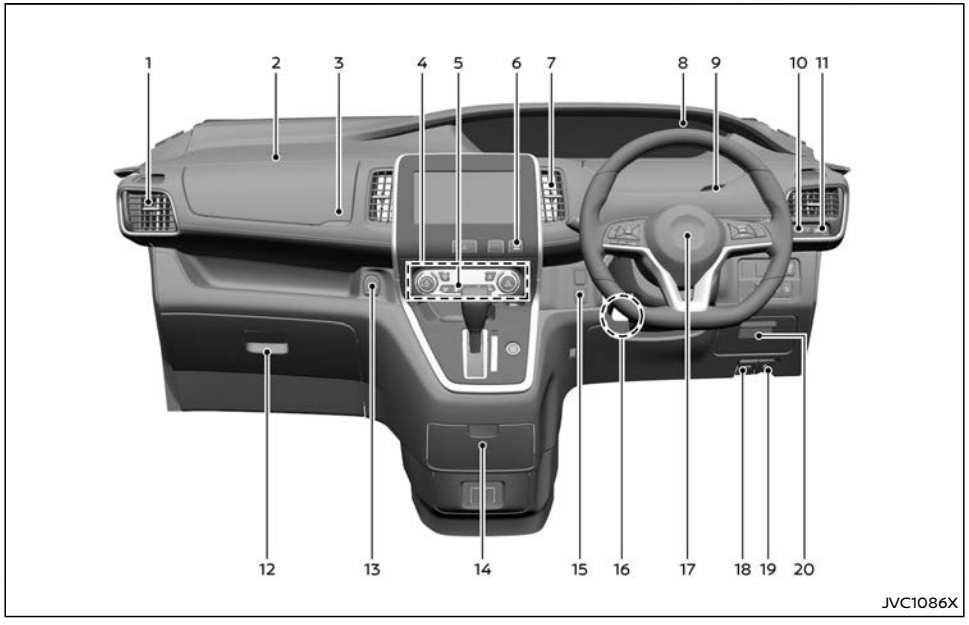
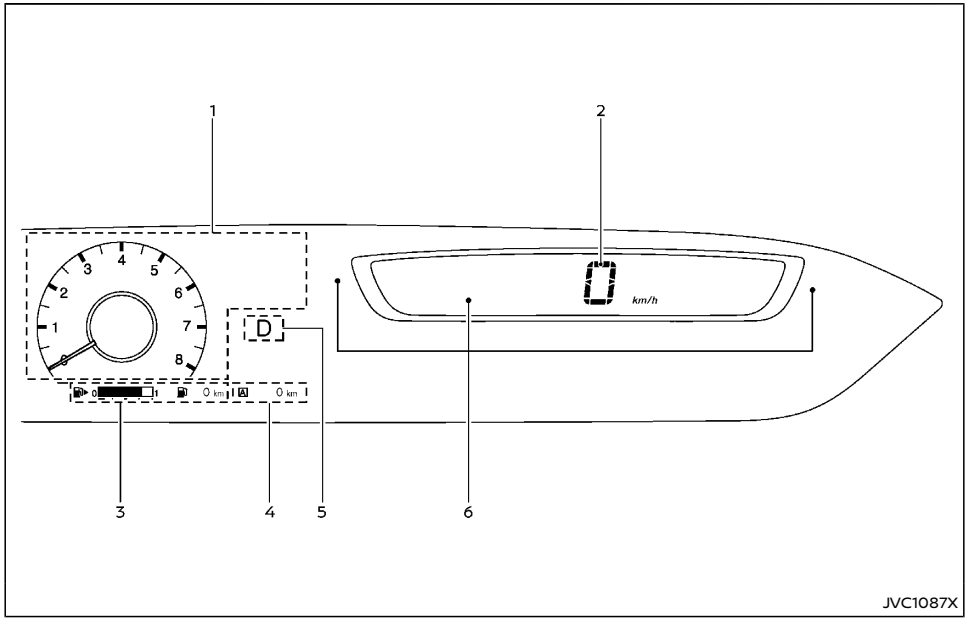
INSTRUMENT PANEL



1. Side ventilator
2. Passenger's front-impact air bag
3. Instrument upper box (passenger's side)
4. Heater/air conditioner control
5. Defogger switch
6. CAMERA button*
   — Around View Monitor*
7. Center ventilator
8. Meters and gauges/Clock
9. Instrument upper box (driver's side)
   — USB (Universal Serial Bus) charging connector
10. Instrument brightness control switch
11. TRIP RESET switch
12. Glove box
    — Fuse box
13. Power outlet
14. Front Cup holders
15. ECO Switch
16. Steering wheel lock lever
17. Driver's front-impact air bag
18. Hood release handle
19. Fuel-filler lid release handle
20. Driver's under box

*: if equipped

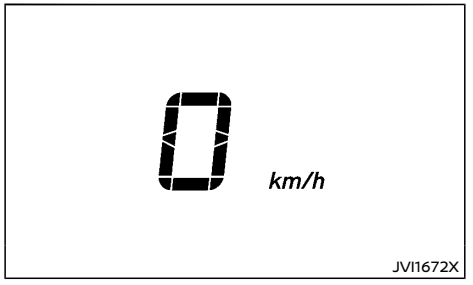
METERS AND GAUGES



1. Vehicle information display
   — Tachometer
   — Engine coolant temperature gauge
   — Around View Monitor*
2. Speedometer
3. Fuel gauge/Distance to empty (dte — km)
4. Odometer/twin trip odometer
5. Continuously Variable Transmission (CVT) position indicator
6. Warning and indicator lights

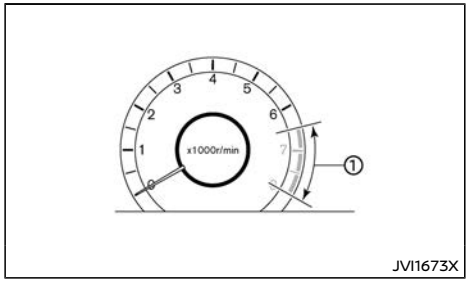
*: if equipped

SPEEDOMETER



The speedometer indicates the vehicle speed.

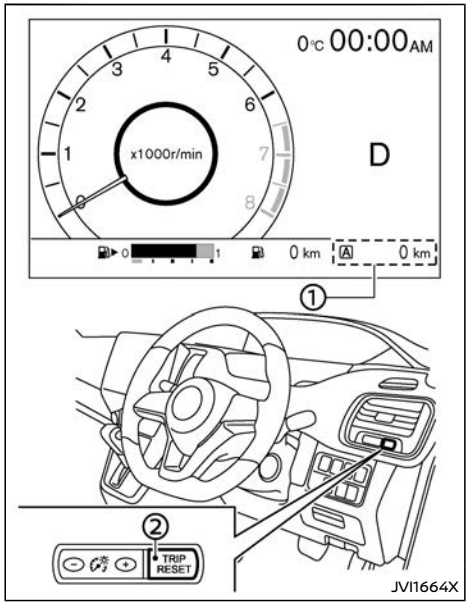
TACHOMETER



The tachometer, displayed in the vehicle information display, indicates the engine speed in revolutions per minute (rpm). **Do not rev the engine into the red zone ①.**

The red zone varies with models.

ODOMETER/TWIN TRIP ODOMETER



The odometer/twin trip odometer is displayed when the ignition switch is in the "ON" position or placed from the "ON" position to the "OFF" position.

The odometer ① displays the total distance the vehicle has been driven.

The twin trip odometer ① displays the distance of individual trips.

Changing odometer/twin trip odometer display

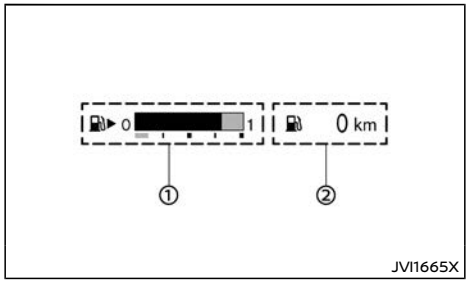
Push the TRIP RESET switch ② on the right side of the instrument panel to change the display as follows:

Odometer → TRIP A → TRIP B → Odometer

Resetting twin trip odometer

Push the TRIP RESET switch ② for more than 1 second to reset the trip odometer to zero.

FUEL GAUGE/DISTANCE TO EMPTY (dte — km)



Fuel gauge

The fuel gauge ① indicates the approximate fuel level in the tank when the ignition switch is in the "ON" position.

The gauge may move slightly during braking, turning, accelerating, or going up and down hills due to movement of fuel in the tank.

The low fuel warning appears on the vehicle information display when the fuel level in the tank is getting low. Refuel as soon as it is convenient, preferably before the gauge reads the empty (0) position.

The arrow, , indicates the location of the fuel-filler lid.

CAUTION:

Refuel before the gauge reads the empty (0) position.

There is a small reserve of fuel in the tank when the fuel gauge reads the empty (0) position.

Distance to empty (dte — km)

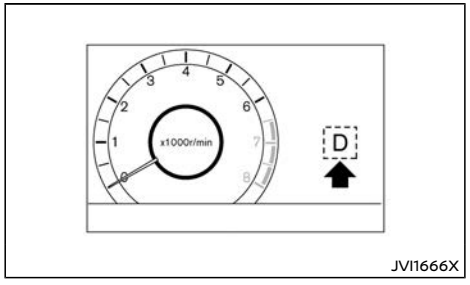
The distance to empty (dte) ② provides you with an estimation of the distance that can be driven before refueling. The dte is constantly being calculated, based on the amount of fuel in the fuel tank and the actual fuel consumption.

The display is updated every 30 seconds.

When the fuel level drops lower, the dte display will change to "———".

- If the amount of fuel added is small, the display just before the ignition switch is placed in the "OFF" position may continue to be displayed.
- When driving uphill or rounding curves, the fuel in the tank shifts, which may momentarily change the display.

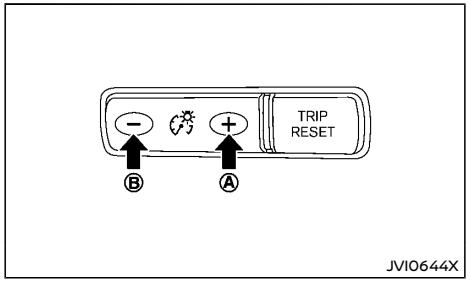
CONTINUOUSLY VARIABLE TRANSMISSION (CVT) POSITION INDICATOR



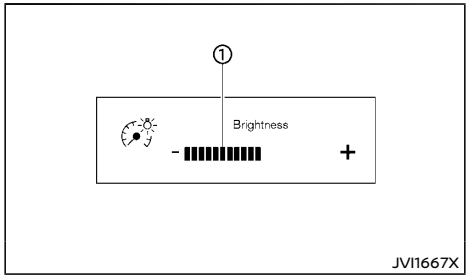
JVI1666X

The Continuously Variable Transmission (CVT) position indicator indicates the shift lever position when the ignition switch is in the "ON" position.

INSTRUMENT BRIGHTNESS CONTROL



JVI0644X



JVI1667X

The instrument brightness control switch can be operated when the ignition switch is in the "ON" position.

When the switch is operated, the vehicle information display switches to the brightness adjustment mode.

Push the + side of the switch Ⓐ to brighten the meter panel lights. The bar ① moves to the + side.

Push the - side of the switch Ⓑ to dim the lights. The bar ① moves to the – side.

When the brightness level reaches the maximum or minimum, a beep will sound.

The vehicle information display returns to the normal display when the instrument brightness control switch is not operated for more than 5 seconds.

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WARNING LIGHTS, INDICATOR LIGHTS AND AUDIBLE REMINDERS

	Anti-lock Braking System (ABS) warning light		Vehicle Dynamic Control (VDC) warning light		SPORT mode indicator light
	Brake warning light		Front fog light indicator light		S-HYBRID indicator light
	Charge warning light		High beam indicator light		Turn signal/hazard indicator lights
	Electric power steering warning light		Idling Stop System indicator light		Vehicle Dynamic Control (VDC) off indicator light
	Engine oil pressure warning light		Low temperature indicator light (green)		
	Master warning light		Malfunction Indicator Light (MIL)		
	Seat belt warning light		Security indicator light		
	Supplemental Restraint System (SRS) air bag warning light		Small light indicator light		

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CHECKING LIGHTS

With all doors closed, apply the parking brake, fasten the seat belts and place the ignition switch in the "ON" position without starting the engine. The following lights (if equipped) will come on: , , , .

The following lights (if equipped) will come on briefly and then go off: , , , , , SPORT, .

If any light does not come on or operates in a way other than described, it may indicate a burned-out bulb and/or a system malfunction. Have the system checked, and if necessary repaired, by a NISSAN dealer promptly.

Some indicators and warnings are also displayed on the vehicle information display located on the left of the speedometer. (See "Vehicle information display" (P.2-12).)

WARNING LIGHTS

Anti-lock Braking System (ABS) warning light

When the ignition switch is in the "ON" position, the Anti-lock Braking System (ABS) warning light illuminates and then turns off. This indicates the ABS is operational.

If the ABS warning light illuminates while the engine is running, or while driving, it may indicate the ABS is not functioning properly. Have the system checked by a NISSAN dealer promptly.

If an ABS malfunction occurs, the anti-lock function is turned off. The brake system then operates normally, but without anti-lock assistance. (See "Brake system" (P.5-22).)

Brake warning light

WARNING:

- **If the brake fluid level is below the minimum mark on the brake fluid reservoir, do not drive the vehicle until the brake system has been checked by a NISSAN dealer.**
- **Even if you judge it to be safe, have your vehicle towed because driving it could be dangerous.**
- **Depressing the brake pedal without the engine running and/or with a low brake fluid level could increase the stopping distance and require greater pedal travel distance and effort.**

The brake warning light indicates the parking brake system operation, a low brake fluid level of the brake system and an Anti-lock Braking System (ABS) malfunction.

Parking brake warning indicator:

When the ignition switch is placed in the "ON" position, the brake warning light illuminates. When the parking brake is released, the brake warning light turns off.

If the parking brake is not fully released, the brake warning light remains on. Be sure that the brake warning light has turned off before driving. (See "Parking brake" (P.3-23).)

Low brake fluid warning indicator:

If the brake warning light illuminates while the engine is running, or while driving, and the parking brake is released, it may indicate the brake fluid level is low.

When the brake warning light illuminates while driving, stop the vehicle safely as soon as possible. Stop the engine and check the brake fluid level. If the brake fluid level is at the minimum mark, add brake fluid as necessary. (See "Brake fluid" (P.8-11).)

If the brake fluid level is sufficient, have the brake system checked by a NISSAN dealer promptly.

Anti-lock Braking System (ABS) warning indicator:

When the parking brake is released and the brake fluid level is sufficient, if both the brake warning light and the Anti-lock Braking System (ABS) warning light illuminate, it may indicate the ABS is not functioning properly. Have the brake system checked, and if necessary repaired, by a NISSAN dealer promptly. (See "Anti-lock Braking System (ABS) warning light" (P.2-8).)

Charge warning light

When the ignition switch is in the "ON" position, the charge warning light illuminates, and then turns off. This indicates the charging system is operational.

If the charge warning light illuminates while the engine is running, or while driving, it may indicate the charging system is not functioning properly and may need servicing.

When the charge warning light illuminates while driving, stop the vehicle safely as soon as possible. Stop the engine and check the starter generator belt. If the starter generator belt is loose, broken or missing, the charging system needs repair. (See "Drive belt" (P.8-9).)

If the starter generator belt appears to be functioning correctly but the charge warning light remains illuminated, have the charging system checked by a NISSAN dealer promptly.

CAUTION:

Do not continue driving if the starter generator belt is loose, broken or missing.

Electric power steering warning light

When the ignition switch is in the "ON" position, the electric power steering warning light illuminates. After starting the engine, the electric power steering warning light turns off. This indicates the electric power steering is operational.

If the electric power steering warning light illuminates while the engine is running, it may indicate the electric power steering is not functioning properly and may need servicing. Have the electric power steering checked by a NISSAN dealer.

When the electric power steering warning light illuminates with the engine running, the power assist to the steering will cease operation but you will still have control of the vehicle. At this time, greater steering efforts are required to operate the steering wheel, especially in sharp turns and at low speeds.

(See "Electric power steering" (P.5-22).)

Engine oil pressure warning light

When the ignition switch is in the "ON" position, the engine oil pressure warning light illuminates. After starting the engine, the engine oil pressure warning light turns off. This indicates that the oil pressure sensors in the engine are operational.

If the engine oil pressure warning light illuminates or blinks while the engine is running, it may indicate that the engine oil pressure is low.

Stop the vehicle safely as soon as possible. Stop the engine immediately and call a NISSAN dealer.

CAUTION:

- **Running the engine with the engine oil pressure warning light illuminated could cause serious damage to the engine.**
- **The engine oil pressure warning light is not designed to indicate a low oil level. The oil level should be checked using the dipstick. (See "Checking engine oil level" (P.8-7).)**

Master warning light

When the ignition switch is in the "ON" position, the master warning light illuminates if any of the following are displayed on the vehicle information display.

- No Key detected warning
- Key ID incorrect warning
- Door/back door open warning
- Key System error warning
- Headlight system error warning (if equipped)
- Release parking brake warning
- Other warning

See "Vehicle information display" (P.2-12).

Seat belt warning light

When the ignition switch is in the "ON" position, the seat belt warning light illuminates. The light will continue to illuminate until the driver's and/or front passenger's seat belts are fastened. (See "Seat belts" (P.1-10).)

When the vehicle speed exceeds 15 km/h (10 MPH), the chime will sound unless the front seat belt is securely fastened. The chime will continue to sound for about 95 seconds until the seat belt is fastened. (See "Seat belts" (P.1-10).)

Supplemental Restraint System (SRS) air bag warning light

When the ignition switch is in the "ON" position, the Supplemental Restraint System (SRS) air bag warning light illuminates for about 7 seconds and then turns off. This indicates the SRS air bag system is operational.

If any of the following conditions occur, the SRS air bag system and/or pre-tensioner seat belt need servicing. Have the system checked, and if necessary repaired, by a NISSAN dealer promptly.

- The SRS air bag warning light remains illuminated after about 7 seconds.
- The SRS air bag warning light does not come on at all.

Unless checked and repaired, the SRS air bag system and/or pre-tensioner seat belt may not function properly. (See "Supplemental Restraint System (SRS)" (P.1-22).)

Vehicle Dynamic Control (VDC) warning light

When the ignition switch is in the "ON" position, the Vehicle Dynamic Control (VDC) warning light illuminates and then turns off.

The warning light blinks when the VDC system is operating.

When the warning light blinks while driving, the driving condition is slippery and the vehicle's traction limit is about to be exceeded.

If the VDC warning light illuminates while the engine is running or while driving, it may indicate that the VDC system is not functioning properly and may need servicing. Have the system checked, and if necessary repaired, by a NISSAN dealer promptly. If a malfunction occurs, the VDC function is turned off, but the vehicle is still drivable. (See "Vehicle Dynamic Control (VDC) system" (P.5-13).)

INDICATOR LIGHTS

Front fog light indicator light

The front fog lights indicator light illuminates when the front fog lights are on. (See "Fog light switch" (P.2-24).)

High beam indicator light

The high beam indicator light illuminates when the headlight high beam is on. The indicator turns off when the low beam is selected. (See "Headlight and turn signal switch" (P.2-22).)

Idling Stop System indicator light

The Idling Stop System indicator light illuminates when the Idling Stop System is activated.

The Idling Stop System indicator light blinks at a high speed, when the engine hood is open.

The Idling Stop System indicator light blinks at a low speed, when the Idling Stop System is malfunctioning.

The Idling Stop System indicator light turns off, when the Idling Stop System OFF switch is pushed on.

See "Idling Stop System" (P.5-11).

NOTE:

- **When the Idling Stop System indicator light blinks at a high speed (twice approximately every one second), be sure to check if the engine hood is open. When the engine hood is opened the engine will be in the normal stopped state. In this case, restart the engine with the ignition switch.**
- **When the Idling Stop System indicator light blinks at a low speed (once approximately every two seconds), have the system checked, and if necessary repaired, by a NISSAN dealer promptly.**

Low temperature indicator light (green)

The low temperature indicator light illuminates when the engine coolant temperature is low.

If the low temperature indicator light stays illuminated after the engine has sufficiently warmed up, it may indicate the low temperature sensor in the engine coolant system is not functioning properly and may need servicing. Have the system checked, and if necessary repaired, by a NISSAN dealer promptly.

Malfunction Indicator Light (MIL)

CAUTION:

- **Continuing vehicle operation without proper servicing of the engine control system and/or Continuously Variable Transmission (CVT) system could lead to poor driveability, reduced fuel economy, and damage to the engine control system and/or CVT system, which may affect the vehicle's warranty coverage.**
- **Incorrect setting of the engine control system may lead to non-compliance of local and national emission laws and regulations.**

When the ignition switch is in the "ON" position, the Malfunction Indicator Light (MIL) illuminates. After starting the engine, the MIL turns off. This indicates that the engine control system and/or CVT system is operational.

If the MIL illuminates while the engine is running, it may indicate that the engine control system is not functioning properly and may need servicing. Have the vehicle checked, and if necessary repaired, by a NISSAN dealer promptly.

If the MIL blinks while the engine is running, it may indicate a potential malfunction in the emission control system. In this case, the emission control system may not function properly and may need servicing. Have the system checked, and if necessary repaired, by a NISSAN dealer promptly.

Precautions:

To reduce or avoid possible damage to the engine control system when the MIL blinks:

- Avoid driving at speeds above 70 km/h (43 MPH).
- Avoid sudden acceleration or deceleration.
- Avoid going up steep uphill grades.
- Avoid carrying or towing unnecessary loads.

Security indicator light

The security indicator light blinks when the ignition switch is in the "LOCK", "OFF" position. This function indicates the security system equipped on the vehicle is operational.

If the security system is malfunctioning, this light will remain on while the ignition switch is in the "ON" position. (See "Security system" (P.3-17) for additional information.)

Small light indicator light

The light illuminates when the headlight switch is turned to the position.

SPORT mode indicator light

The SPORT mode indicator light illuminates when the SPORT mode is turned "ON". (See "Driving with Continuously Variable Transmission (CVT)" (P.5-8) for the use of the SPORT mode switch.)

S-HYBRID indicator light

The S-HYBRID indicator light illuminates under any of the following conditions.

- The Idling Stop System is activated.
- The torque assist function is working.
- The batteries are charged by the electric motor (regeneration).

(See "S-HYBRID system" (P.5-19).)

Turn signals/hazard indicator lights

The turn signals/hazard indicator lights blink when the turn signal switch or hazard indicator flasher switch is turned on. (See "Headlight and turn signal switch" (P.2-22) or "Hazard indicator flasher switch" (P.6-2).)

Vehicle Dynamic Control (VDC) off indicator light

When the ignition switch is in the "ON" position, the Vehicle Dynamic Control (VDC) off indicator light illuminates and then turns off.

The VDC off indicator light illuminates when the VDC off switch is pushed to the "OFF" position.

When the VDC off switch is pushed to the "OFF" position, the VDC system is turned off.

For details, see "Vehicle Dynamic Control (VDC) system" (P.5-13).

AUDIBLE REMINDERS

Brake pad wear warning

The disc brake pads have audible wear warnings. When a brake pad requires replacement, it will make a high pitched scraping sound when the vehicle is in motion. This scraping sound will first occur only when the brake pedal is depressed. After more wear of the brake pad, the sound will always be heard even if the brake pedal is not depressed. Have the brakes checked as soon as possible if the wear warning sound is heard.

Have the system checked, and if necessary repaired, by a NISSAN dealer promptly. (See "Brakes" (P.8-10).)

Intelligent Key buzzer

The Intelligent Key buzzer sounds if any one of the following improper operations is found.

- The Intelligent Key is left inside the vehicle when locking the doors.
- The Intelligent Key is taken outside the vehicle when operating the vehicle.
- Any doors are not closed securely when locking the doors.

When the buzzer sounds, be sure to check both the vehicle and the Intelligent Key. (See "Intelligent Key system" (P.3-10).)

Light reminder chime

The chime will sound if the driver's side door is opened while the headlight switch is in either the or position and the ignition switch is in the "OFF" or "LOCK" position.

Be sure to turn the light switch to the "OFF" or "AUTO" position when you leave the vehicle.

VEHICLE INFORMATION DISPLAY

Parking brake reminder chime

The chime will sound if the vehicle is driven at more than 7 km/h (4 MPH) with the parking brake applied. Stop the vehicle and release the parking brake.

Seat belt warning chime

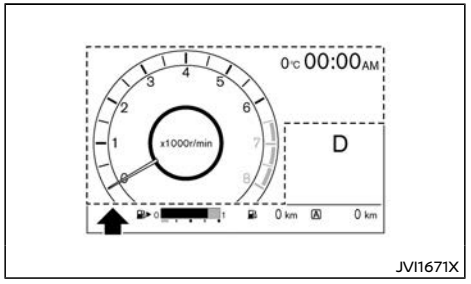
When the vehicle speed exceeds 15 km/h (9 MPH), the chime will sound unless the front seat belt is securely fastened. The chime will continue to sound for about 95 seconds until the seat belt is fastened.

Idling Stop System reminder buzzer

The Idling Stop System reminder buzzer will sound if the engine hood is opened while the Idling Stop System is activated.

NOTE:

Be sure to check whether the engine hood is open. When the engine hood is open, the engine will be in the normal stopped state. In this case, restart the engine with the ignition switch.

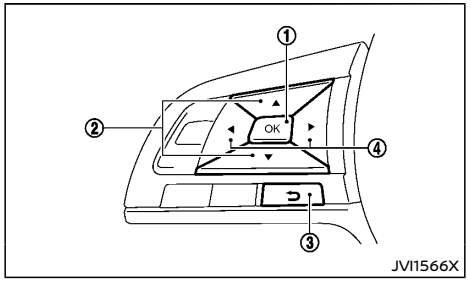


JVI1671X

The vehicle information display is located on the left of the speedometer. It displays such items as:

- Tachometer
- Vehicle settings
- Trip computer information
- Driver Assistance
- Cruise control system information
- Intelligent Key operation information
- Indicators and warnings

HOW TO USE THE VEHICLE INFORMATION DISPLAY



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The vehicle information display can be changed using the switches OK ①, ▲▼ ②, ↩ ③, and ◀ ▶ ④ located on the steering wheel.

① OK - change or select an item in the vehicle information display

② ▲▼ - navigate through the items in vehicle information display

③ ↩ - go back to the previous menu

④ ◀ ▶ - change from one display screen to the next (i.e. trip, Fuel economy)

STARTUP DISPLAY

When the ignition switch is placed in the "ON" position, the screens that display in the vehicle information display include:

- Tachometer
- Trip computer
- Fuel economy
- Warnings
- Settings

Warnings will only appear if there are any present. For more information on warnings and indicators, see "Vehicle information display warnings and indicators" (P.2-16).

To control what items are displayed in the vehicle information display, see "Settings" (P.2-12).

SETTINGS

The setting mode allows you to change the information displayed in the vehicle information display:

- Driver Assistance
- Customize Display
- Vehicle Settings
- Maintenance

- Clock
- Unit
- Factory Reset

Driver Assistance

To change the status, warnings or turn on or off any of the systems/warnings displayed in the "Driver Assistance" menu, use the ▲▼ button ② to select and the OK button ① to change a menu item:

- Parking Aids (if equipped)
- Driver Attention Alert (if equipped)
- Timer Alert
- Low Temperature Alert

Parking Aids (if equipped) :

To change the status or turn on or off any of the systems displayed in the "Parking Aids" menu, use the ▲▼ switch ① to select and the ENTER ① to change a menu item:

- Moving Object (if equipped)
  - — Moving Object Detection (MOD) ON/OFF

For additional information, see "Moving Object Detection (MOD)" (P.4-10).

Driver Attention Alert (if equipped) :

- Driver Attention Alert ON/OFF

Timer Alert:

This setting allows the customer to set an alert to notify the driver that the set time has been reached.

1. Use the ▲▼ button ② to select "Timer Alert".
2. Press the OK button ① .
3. To change the timer amount, use the ▲▼ button ② and the OK button ① to save the selected time amount.

Low Temperature Alert:

This setting allows the customer to enable/disable the alert for outside temperature in the vehicle information display.

1. Use the ▲▼ button ② to select "Low Temperature Alert".
2. Press the OK button ① to turn ON/OFF the alert.

Customize Display

The display settings allows the customer to choose from the various meter selections.

The display settings can be changed using the ▲▼ ② and the OK ① buttons.

Main Menu Selection:

The items that are displayed when the ignition switch is placed in the "ON" position can be enabled/disabled. To change some items that are displayed, use the ▲▼ button ② to scroll and the OK button ① to select a menu item.

ECO Info Settings:

This setting allows the customer to change the ECO mode system settings.

Use the ▲▼ button ② until "ECO Mode Settings" is selected, and press OK button ①.

- ECO Indicator

This setting allows the customer to enable/disable the ambient ECO indicator in the vehicle information display.

1. Use the ▲▼ button ② to select "ECO Indicator".
2. Press the OK button ① to turn ON/OFF the ambient ECO in the vehicle information display.

- ECO Drive Report

This setting allows the customer to enable/disable the ECO Drive Report in the vehicle information display.

1. Use the ▲▼ button ② to select "ECO Drive Report".
2. Press the OK button ① to turn ON/OFF the ECO management display in the vehicle information display.

- View History

This setting allows the customer to reset the past history of the fuel economy and the best fuel economy.

Welcome Effect:

You can choose whether or not to display the welcome screen when the ignition switch is placed in the "ACC" or "ON" position. You can also choose the following items to define how the welcome screen looks:

- ECO Indicator Effect
- Animation

Select "Welcome Effect" using the ▲▼ button ② and press the OK button ① to select this menu. Use the ▲▼ button ② to navigate between the menu options and press the OK button ① to turn each function ON/OFF.

Vehicle Settings

The vehicle settings allows the customer to change settings for the following settings.

- Lighting
- Turn Indicator
- Locking
- Wipers

The vehicle settings can be changed using the ▲▼ ②, and the OK ① buttons.

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Lighting:

The "Lighting" menu has the following options:

- Welcome Headlight (if equipped)
  The welcome lighting can be set to be ON or OFF. From the "Lighting" menu, select "Welcome Headlight". Use the OK button ① to turn this feature ON or OFF.
- Auto Room Lamp
  The interior light timer can be set to be ON or OFF. From the "Lighting" menu, select "Auto Room Lamp". Use the OK button ① to turn this feature ON or OFF.
- Light Sensitivity
  The sensitivity of the automatic lighting can be adjusted. From the "Lighting" menu, select "Light Sensitivity". Use the ▲▼ button ② and the OK button ① to select the required sensitivity. The following options are available:
  — Earliest
  — Earlier
  — Standard
  — Later

Turn Indicator:

The "3 Flash Pass" overtaking feature can be set to be ON or OFF. From the "Turn Indicator" menu, select "3 Flash Pass". Use the OK button ① to turn this feature ON or OFF.

Locking:

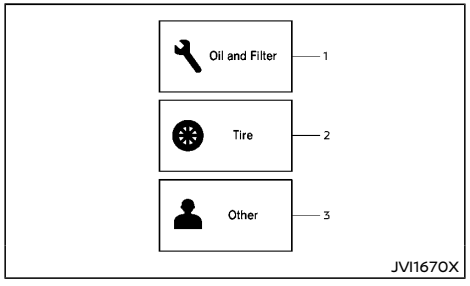
There are the following options in the "Locking" menu:

- Ext. Door Switch
  When this item is turned on, the request switch on the door is activated. From the "Locking" menu, select "Ext. Door Switch". Use the OK ① button to activate or deactivate this function.

Wipers:

- Speed Dependent
  The "Speed Dependent" feature can be activated or deactivated. From the "Wipers" menu, select "Speed Dependent". Use the OK button ① to turn this feature ON or OFF.
- Reverse Link
  The "Reverse Link" wiper feature can be set to be ON or OFF. From the "Wipers" menu, select "Reverse Link". Use the OK button ① to turn this feature ON or OFF.

Maintenance



1. Oil and Filter
2. Tire
3. Other

The maintenance mode allows you to set alerts for the reminding of maintenance intervals. To change an item:

Select "Maintenance" using the ▲▼ button ② and press OK button ①.

Oil and Filter:

This indicator appears when the customer set distance comes for changing the engine oil and filter. You can set or reset the distance for checking or replacing these items. For scheduled maintenance items and intervals, see a separate maintenance booklet.

Tire:

This indicator appears when the customer set distance comes for replacing tires. You can set or reset the distance for replacing tires.

WARNING:

The tire replacement indicator is not a substitute for regular tire checks, including tire pressure checks. See "Changing tires and wheels" (P.8-26). Many factors including tire inflation, alignment, driving habits and road conditions affect tire wear and when tires should be replaced. Setting the tire replacement indicator for a certain driving distance does not mean your tires will last that long. Use the tire replacement indicator as a guide only and always perform regular tire checks. Failure to perform regular tire checks, including tire pressure checks could result in tire failure. Serious vehicle damage could occur and may lead to a collision, which could result in serious personal injury or death.

Other:

This indicator appears when the customer set distance comes for checking or replacing maintenance items other than the engine oil, oil filter and tires. Other maintenance items can include such things as air filter or tire rotation. You can set or reset the distance for checking or replacing the items.

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Clock

Set Clock:

The clock setting can be changed using the ▲▼ ② and the OK ① buttons.

12H/24H:

The time setting can be selected from 12 hour and 24 hour formats.

Unit

The units that are shown in the vehicle information display can be changed:

- Mileage/Fuel
- Temperature

Use the ▲▼ button ②, and the OK button ① switches to select and change the units of the vehicle information display.

Mileage/Fuel:

The unit for the mileage that displays in the vehicle information display can be changed to:

- km, l/100km
- km, km/l

Use the ▲▼ button ② and the OK button ① switches to select and change the unit.

Temperature:

The temperature that displays in the vehicle information display can be changed from:

- ˚C (Celsius)
- ˚F (Fahrenheit)

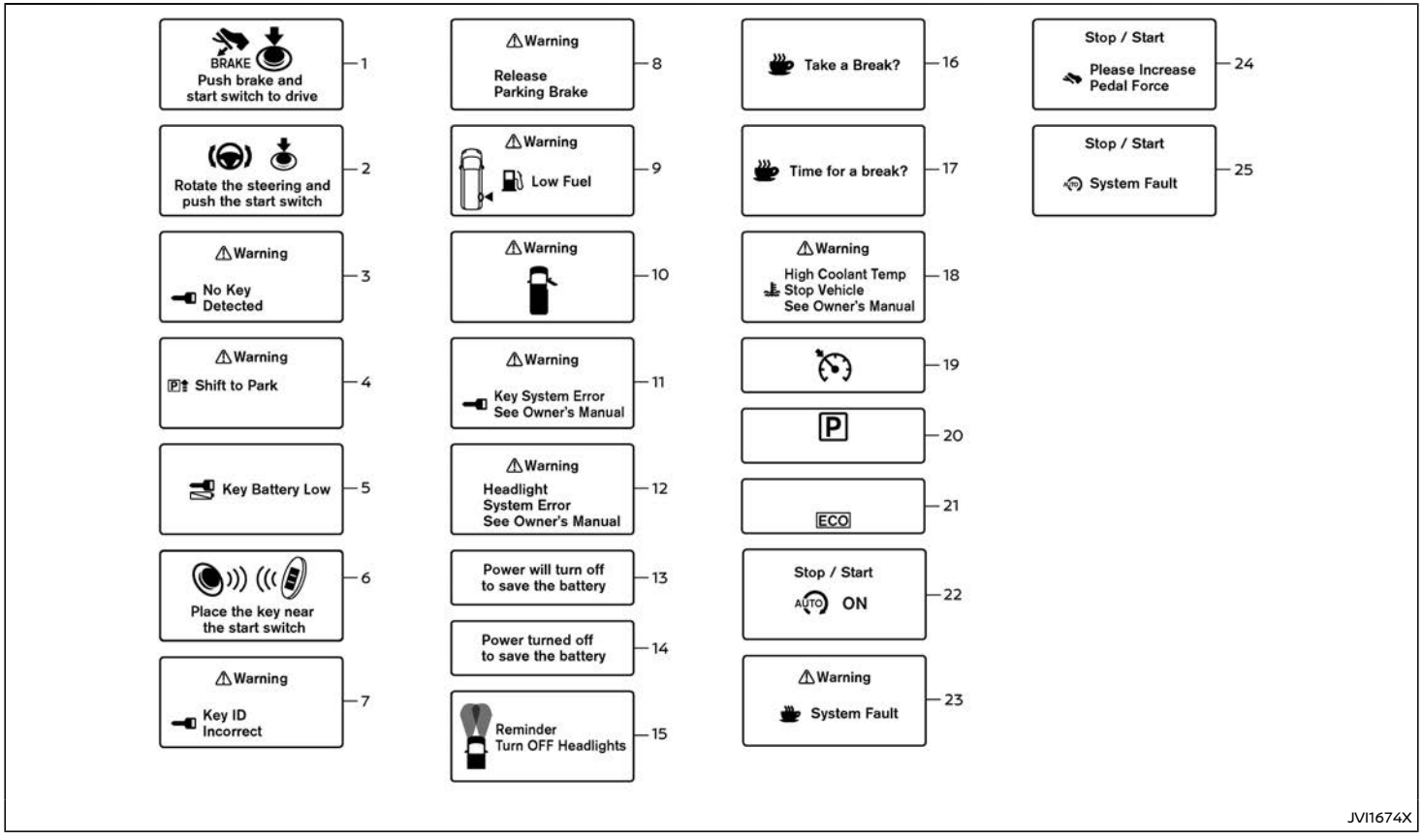
Use the OK button ① to toggle choices.

Factory Reset

The settings in the vehicle information display can be reset back to the factory default. To reset the vehicle information display:

1. Select "Factory Reset" using the ▲▼ button ② and press the OK button ①.
2. Select "YES" to return all settings back to default by pressing the OK button ①.

VEHICLE INFORMATION DISPLAY WARNINGS AND INDICATORS



Depending on the warnings and indicators, you need to push OK button ① located on the steering wheel to turn off the message.

1. Engine start operation indicator

This indicator appears when the shift lever is in the "P" (Park) position.

This indicator means that the engine will start by pushing the ignition switch with the brake pedal depressed. You can start the engine directly in any position of the ignition switch.

2. Steering lock release malfunction indicator

This indicator appears when the steering lock cannot be released.

If this indicator appears, push the ignition switch while lightly turning the steering wheel right and left.

See "Steering lock" (P.5-5).

3. No Key detected warning

This warning appears when the door is closed with the Intelligent Key left outside the vehicle and the ignition switch in the "ON" position. Make sure that the Intelligent Key is inside the vehicle.

See "Intelligent Key system" (P.3-10) for more details.

4. Shift to Park warning

This warning appears when the ignition switch is pushed to stop the engine with the shift lever in any position except the "P" (Park) position.

If this warning appears, move the shift lever to the "P" (Park) position or place the ignition switch in the "ON" position.

An inside warning chime will also sound. (See "Intelligent Key system" (P.3-10).)

5. Key battery low warning

This indicator appears when the Intelligent Key battery is running out of power.

If this indicator appears, replace the battery with a new one. See "Intelligent Key battery" (P.8-15).

6. Engine start operation for Intelligent Key system indicator

This indicator appears when the Intelligent Key battery is running out of power and when the Intelligent Key system and vehicle are not communicating normally.

If this indicator appears, touch the ignition switch with the Intelligent Key while depressing the brake pedal. (See "Intelligent Key battery discharge" (P.5-6).)

7. Key ID incorrect warning

This warning appears when the ignition switch is placed from the "LOCK" position and the Intelligent Key cannot be recognized by the system. You cannot start the engine with an unregistered key. Use the registered Intelligent Key.

See "Intelligent Key system" (P.3-10).

8. Release parking brake warning

This warning appears when the vehicle speed is above 7 km/h (4 MPH) and the parking brake is applied. Stop the vehicle and release the parking brake.

9. Low fuel level warning

This warning appears when the fuel level in the fuel tank is getting low. Refuel as soon as it is convenient, preferably before the fuel gauge reaches 0 (Empty). There will be a small reserve of fuel in the tank when the fuel gauge needle reaches 0 (Empty).

10. Door/back door open warning

This warning appears if any of the doors and/or the back door are open or not closed securely. The vehicle icon indicates which door or the back door is open on the display.

11. Key System Error warning

This warning appears if there is a malfunction in the Intelligent Key system.

If this warning appears while the engine is stopped, the engine cannot be started. If this warning appears while the engine is running, the vehicle can be driven. However, contact a NISSAN dealer for repair as soon as possible.

12. Headlight System Error warning (if equipped)

This warning appears if the LED headlights are malfunctioning. Have the system checked by a NISSAN dealer.

13. Power will turn off to save the battery warning

This warning appears after a period of time if the certain conditions are met while the ignition switch is in the "ON" position for a certain period of time. (See "Ignition switch positions" (P.5-6).)

14. Power turned off to save the battery warning

This warning appears after the ignition switch is automatically turned "OFF" to save the battery.

15. Reminder Turn off headlights warning

This warning appears when the driver side door is opened with the headlight switch is left ON and the ignition switch is placed in the "OFF" or "LOCK" position. Place the headlight switch in "OFF" or "AUTO" position. For additional information, see "Headlight and turn signal switch" (P.2-22).

16. Take a break? indicator (if equipped)

This indicator appears when the Driver Attention Alert system detects that driver attention is decreasing. (See "Driver Attention Alert" (P.2-21).)

17. Time for a break? indicator

This indicator appears when the set "Time for a break?" indicator activates. You can set the time for up to 6 hours. See "Settings" (P.2-12).

18. High Coolant Temp. warning

This warning appears when the engine coolant temperature is extremely high. (See "If your vehicle overheats" (P.6-10).)

19. Cruise indicator

This indicator shows the cruise control system status. The status is shown by the color.

See "Cruise control" (P.5-15) for details.

20. Continuously Variable Transmission (CVT) position indicator

This indicator shows the automatic shift position.

See "Driving with Continuously Variable Transmission (CVT)" (P.5-8) for further details.

21. ECO mode indicator

The ECO mode indicator appears when the ECO mode system is turned on.

(See "ECO mode system" (P.5-18).)

22. Stop/Start - Idling Stop System indicator

This indicator shows the Idling Stop System status. See "Idling Stop System" (P.5-11).

23. System fault warning (if equipped)

This warning appears when the Driver Attention Alert system malfunctions.

For more details, see "Driver Attention Alert" (P.2-21).

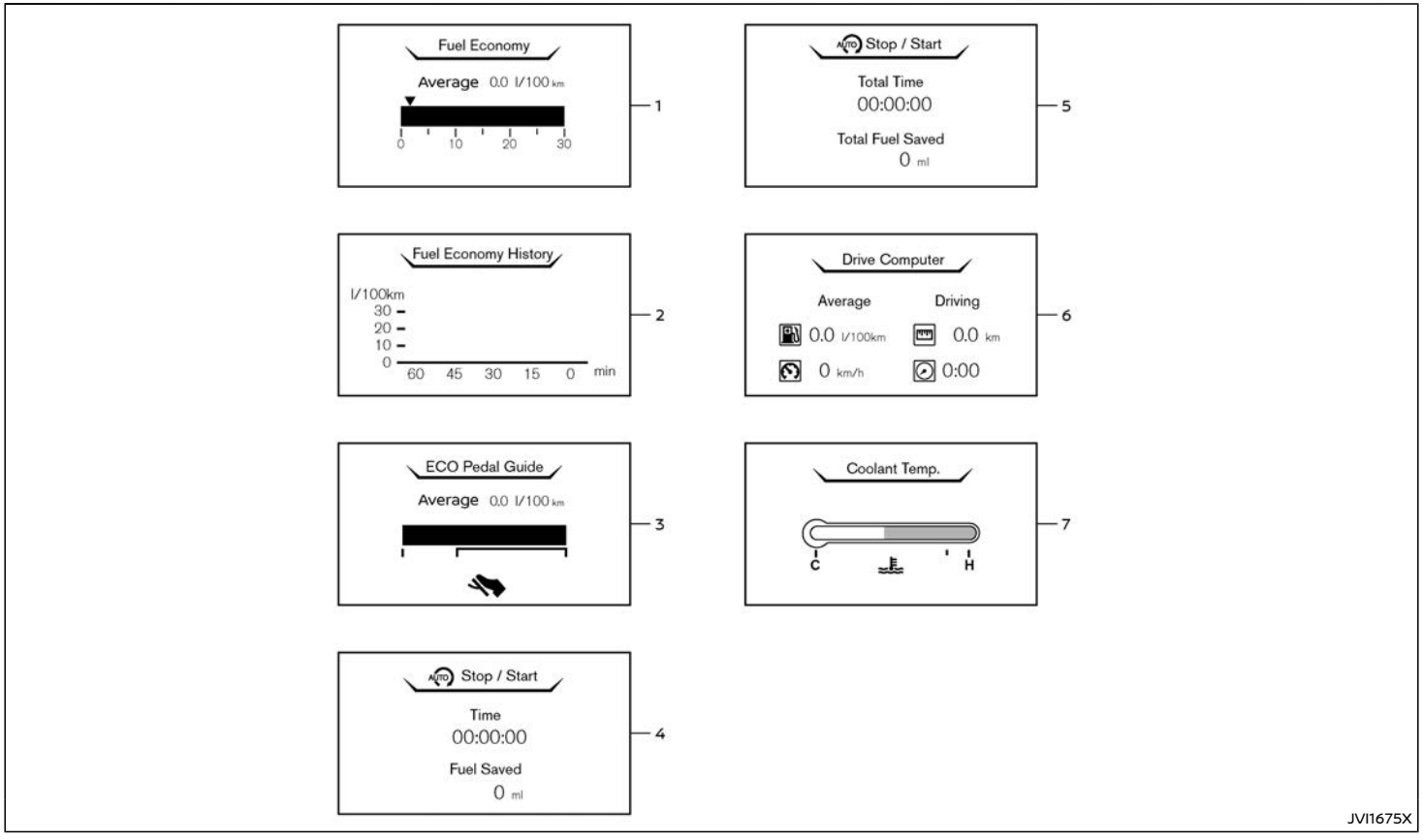
24. Stop/Start - Please Increase Pedal Force indicator

This warning appears when the Idling Stop System is deactivated with the vehicle stopped because the brake pedal is not firmly depressed.

25. Stop/Start - System Fault warning

This warning appears if the Idling Stop System is malfunctioning. Have the system checked by a NISSAN dealer.

TRIP COMPUTER



The trip computer display can be changed using the ▲▼ ② and ◀ ▶ ④ switches located on the steering wheel. (See "How to use the vehicle information display" (P.2-12).)

1. Fuel economy

The average fuel consumption mode shows the average fuel consumption since the last reset.

Resetting is done by pushing the OK button ①. When the OK button is pushed, the following menu items are displayed.

- Cancel
  — Return to the previous screen without resetting.
- Yes
  — Reset the fuel economy.

The display is updated every 30 seconds. For about the first 500 m (1/3 mile) after a reset, the display shows "———".

2. Fuel Economy History

The Fuel Economy indicated by bar graph is updated every 5 minutes.

The Fuel Economy from the past 1 hour is displayed.

3. ECO Pedal Guide

The ECO Pedal Guide mode shows the depression level of the accelerator pedal while driving.

The Average fuel consumption can be reset by pushing the OK button ①.

When the ECO Pedal Guide bar is in the light blue range, it indicates that the vehicle is driven within range of economy drive. See "ECO Pedal Guide function" (P.5-18).

4-5. Idling Stop System

The Idling Stop System mode shows the fuel savings and the engine stop time. (See "Idling Stop System" (P.5-11).)

Trip fuel saving and engine stop time:

The trip fuel saving and engine stop time mode shows the amount of fuel saved and the engine stop time since the ignition switch was placed in the "ON" position.

Total fuel saving and engine stop time:

The total fuel saving and engine stop time mode shows the amount of fuel saved and the engine stop time since the last reset.

Resetting is done by pushing the OK button ①. When the OK button is pushed, the following menu items are displayed.

- Cancel
  — Return to the previous screen without resetting.
- Yes
  — Reset the fuel saved and engine stop time.

6. Drive Computer

The Drive Computer mode shows the following information.

- Average fuel consumption
- Average speed
- Trip odometer
- Elapsed time

Average fuel consumption (l (litre)/100 km or km/l (litre)):

The average fuel consumption shows the average fuel consumption since the last reset.

The display is updated every 30 seconds. For about the first 500 m (1/3 mile) after a reset, the display shows "———".

Average speed (km/h):

The average speed shows the average vehicle speed since the last reset.

The display is updated every 30 seconds. The first 30 seconds after a reset, the display shows "———".

Trip odometer (km):

The trip odometer shows the total distance the vehicle has been driven since the last reset.

Elapsed time:

The elapsed time shows the time since the last reset.

Reset Menu:

The drive computer information can be reset item by item or all at once.

To reset each item or all items:

1. Push the OK ① to switch to the reset menu.
2. Select one item to be reset or the "Reset All" key using the ▲▼ switch ② and push the OK ①.
3. Select "Yes" to reset the item(s) by pushing the OK ①.

7. Engine coolant temperature gauge

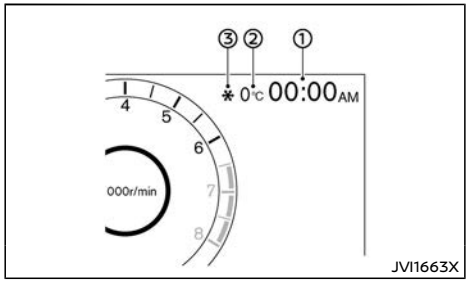
The gauge indicates the engine coolant temperature. If the engine is overheated, the high temperature warning will appear.

The engine coolant temperature varies with the outside air temperature and driving conditions.

CAUTION:

If the engine is overheated, continued operation of the vehicle may seriously damage the engine. See "If your vehicle overheats" (P.6-10) for immediate action required.

CLOCK AND OUTSIDE AIR TEMPERATURE



The clock ① and outside air temperature ② are displayed on the upper side of the vehicle information display.

Clock

For clock adjustment, see "Clock" (P.2-15).

Outside air temperature (°C or °F)

The outside air temperature is displayed in °C or °F in the range of −40 to 60°C (−40 to 140°F).

The outside air temperature mode includes a low temperature warning feature. If the outside air temperature is below 3°C (37°F), the Low temperature indicator ③ is displayed on the screen.

The outside temperature sensor is located in front of the radiator. The sensor may be affected by road or engine heat, wind directions and other driving conditions. The display may differ from the actual outside temperature or the temperature displayed on various signs or billboards.

DRIVER ATTENTION ALERT (if equipped)

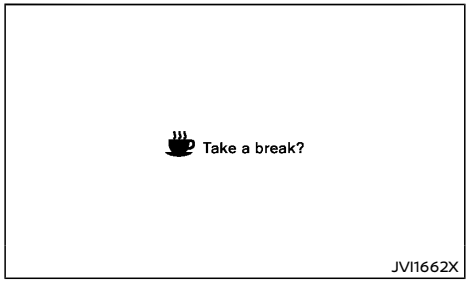
The [Driver Attention] option can be used to activate or deactivate the Driver Attention Support feature. This system is able to detect whether the driver is displaying a lack of attention, or is distracted.

It does this by monitoring driving style, and steering behavior, and it notes deviations from the normal pattern. If the system detects that driver attention is decreasing, the system uses an audible and visual warning to suggest that the driver take a break.

WARNING:

This system is not designed to assist driving impaired due to fatigue, or other causes. Be attentive at all times, and avoid driving when tired. Failure to do so could cause you to lose control of the vehicle, resulting in a serious accident.

System operation



If the system detects that driver attention is decreasing, the message "Take a break?" appears in the vehicle information display and a buzzer sounds when the vehicle is driven at speeds above 60 km/h (37 MPH).

Turning the Driver Attention Alert system on and off

To activate or deactivate this function, see "Settings" (P.2-12).

NOTE:

The setting will be retained even if the engine is restarted.

System malfunction

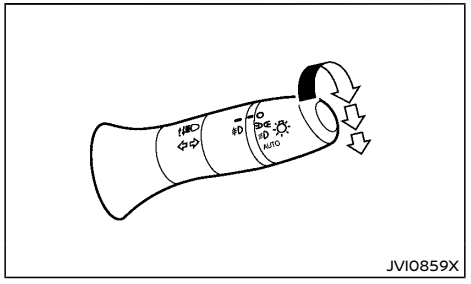
If the Driver Attention Alert system malfunctions, the system warning message will appear in the vehicle information display and the function will be stopped automatically.

Action to take:

Stop the vehicle in a safe location, and then turn off and restart the engine. If the system warning message continues to appear, have the system checked by a NISSAN dealer.

HEADLIGHT AND TURN SIGNAL SWITCH

HEADLIGHT SWITCH



JVI0859X

NISSAN recommends that you consult the local regulations concerning the use of lights.

position

The position turns on the front clearance, tail and license plate lights.

position

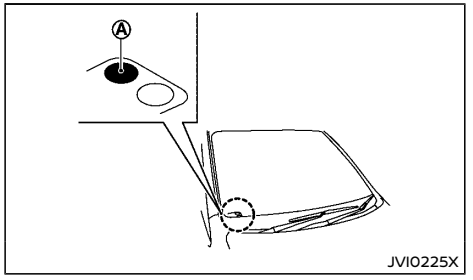
The position turns on the headlights in addition to the other lights.

AUTO position

When the ignition switch is in the "ON" position and the headlight switch is in the "AUTO" position, the headlights, front clearance lights, instrument panel lights, rear combination lights and other lights turn on automatically depending on the brightness of the surroundings.

The headlights will turn on automatically at twilight or in rainy weather (when the windshield wiper is operated continuously).

When the ignition switch is placed in the "LOCK" or "OFF" position, the lights will turn off automatically.

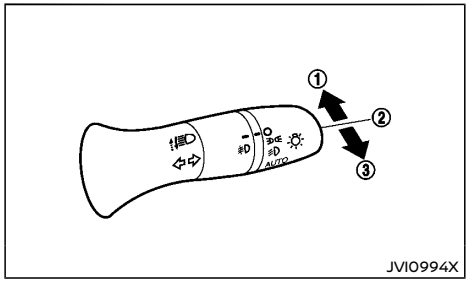


JVI0225X

CAUTION:

Do not place any objects on top of the sensor Ⓐ. The sensor senses the brightness level and controls the autolight function. If the sensor is covered, it reacts as if it is dark, and the headlights will illuminate.

Headlight beam



JVI0994X

To turn on the high beam, push the lever towards the front position ①.

To turn off the high beam, return the lever to the neutral position ②.

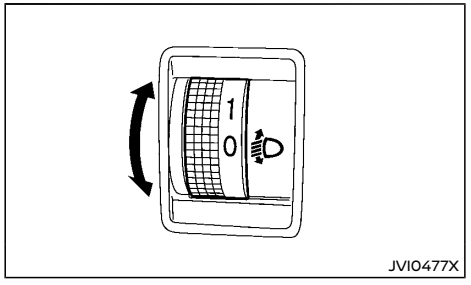
To flash the headlights, pull the lever towards

[Edit: 2017/ 3/ 30 Model: C27-A]

the rearmost position ③. The headlights can be flashed even when the headlights are not on.

HEADLIGHT AIMING CONTROL

Manual type



JVI0477X

The headlight aiming control operates when the ignition switch is in the "ON" position and the headlight is on to allow the headlight axis to be adjusted according to the driving conditions.

When driving with no heavy load/luggage or driving on a flat road, select the normal position "0".

If the number of occupants and load/luggage in the vehicle changes, the headlight axis may become higher than normal.

If the vehicle is traveling on a hilly road, the headlights may directly shine on the rearview and outside mirrors of a vehicle ahead or the windshield of an oncoming vehicle, which may obscure other drivers' vision.

To adjust to the proper aiming height, turn the switch accordingly. The higher the number, designated on the switch, the lower the headlight axis.

Select the switch position by referring to the following samples.

Switch position	Number of front seat occupants	Number of rear seat occupants	Weight of load in luggage compartment
0	1 or 2	No occupants	No load
1	2	3	No load
2	2	6	Approximately 41 kg (90 lb)
3	1	No occupants	Approximately 418 kg (922 lb)

Automatic type

The headlights are equipped with the automatic leveling system. Headlight axis is controlled automatically.

BATTERY SAVER SYSTEM

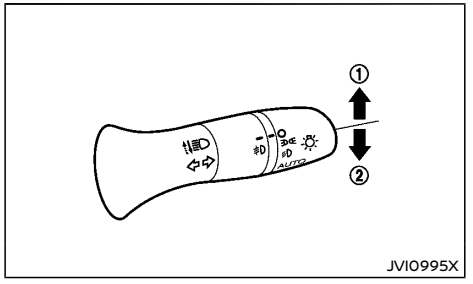
CAUTION:

Do not leave the lights on when the engine is not running for extended periods of time to prevent the battery from being discharged.

The light reminder chime will sound if the headlight switch is in either the ≡D◐≡ or 🌫 position and when the driver's door is opened with the ignition switch in the "OFF" or "LOCK" position.

If the doors are closed and locked using the door handle request switch or the Intelligent Key, while the headlight switch is in either the ≡D◐≡ or 🌫 position, the battery saver function will turn off the lights to prevent the battery from being discharged. The lights will turn on when the light switch is operated.

TURN SIGNAL SWITCH



JVI0995X

CAUTION:

The turn signal switch will not be cancelled automatically if the steering wheel turning angle does not exceed the preset amount. After the turn or lane change, make sure that the turn signal switch is returned to its original position.

Turn signal

To turn on the turn signals, move the lever up ① or down ② to the point where the lever latches. When the turn is completed, the turn signal cancels automatically.

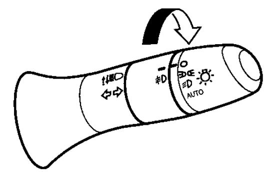
Lane change signal

To turn on the lane change signals, move the lever up ① or down ② to the point where the light begins to flash.

If the lever is moved back right after moving up ① or down ②, the light will flash 3 times.

To cancel the flashing, move the lever to the opposite direction.

FOG LIGHT SWITCH



JVI0862X

FRONT FOG LIGHTS

To turn on the front fog lights, turn the headlight switch to the or , then turn the fog light switch to the position.

To turn on the fog lights with the headlight switch in the AUTO position, the headlights must be on, then turn the fog light switch to the position.

The front fog lights and indicator light on the meter illuminate.

To turn the front fog lights off, turn the fog light switch to the position.

NOTE:

- **If the headlight switch is turned to the ○ position, the front fog lights will turn off automatically.**

WIPER AND WASHER SWITCH

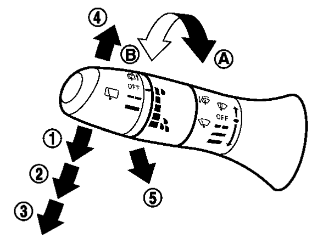
WARNING:

In freezing temperatures, the washer fluid may freeze on the windshield and obscure your vision. Warm the windshield with the defogger before you wash the windshield.

CAUTION:

- **Do not operate the washer continuously for longer than 30 seconds.**
- **Do not operate the washer if the window washer reservoir is empty.**

WINDSHIELD WIPER AND WASHER SWITCH



JVI0865X

The windshield wiper and washer operate when the ignition switch is in the "ON" position.

Wiper operation

The lever position "▬ ▬" (INT) ① operates the wiper intermittently.

- The intermittent operation can be adjusted by turning the adjustment control knob, (longer) Ⓐ or (shorter) Ⓑ.
- The speed of the intermittent operation varies depending on the vehicle speed. This function can be turned on or off. See "Vehicle Settings" (P.2-13).

The lever position ② operates the wiper at low speed.

The lever position ③ operates the wiper at high speed.

To stop the wiper operation, move the lever up to the "OFF" position.

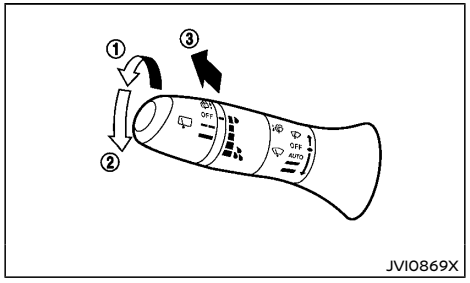
The lever position ④ operates the wiper one sweep. The lever automatically returns to its original position.

If the windshield wiper operation is interrupted by snow or ice, the wiper may stop moving to protect its motor. If this occurs, turn the wiper switch to the "OFF" position and remove the snow or ice on and around the wiper arms. In approximately 1 minute, turn the switch on again to operate the wiper.

Washer operation

To operate the washer, pull the lever toward the rear of the vehicle ⑤ until the desired amount of washer fluid is spread on the windshield.

REAR WINDOW WIPER AND WASHER SWITCH



JVI0869X

The rear window wiper and washer operates when the ignition switch is in the "ON" position.

Wiper operation

The switch position ① operates the wiper intermittently.

The switch position ② operates the wiper at low speed.

If the rear window wiper operation is interrupted by snow or ice, the wiper may stop moving to protect its motor. If this occurs, turn the wiper switch to the "OFF" position and remove the snow or ice on and around the wiper arms. In approximately 1 minute, turn the switch on again to operate the wiper.

Reverse synchronization function:

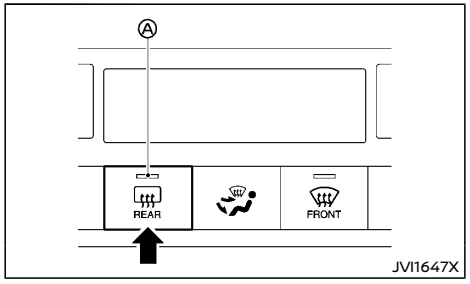
When the windshield wiper switch is on, moving the shift lever to the "R" (Reverse) position will operate the rear window wiper.

To activate or deactivate this function, see "Settings" (P.2-12).

Washer operation

To operate the washer, push the lever toward the front of the vehicle ③ until the desired amount of washer fluid is spread on the windshield. The wiper will automatically operate several times.

DEFOGGER SWITCH



The defogger switch operates when the ignition switch is in the "ON" position.

The defogger is used to reduce the moisture, fog or frost on the rear window and outside door mirror (if equipped) surface to improve the rear view.

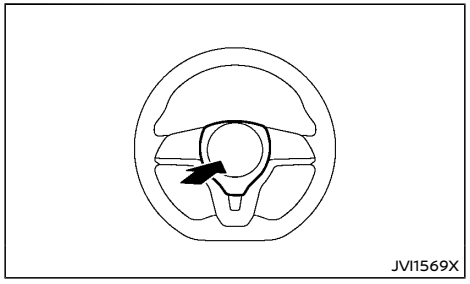
When the defogger switch is pushed, the indicator light Ⓐ illuminates and the rear window defogger operates for approximately 15 minutes. After the preset time has passed, the defogger will turn off automatically.

To turn off manually, push the defogger switch again.

CAUTION:

- **When operating the defogger continuously, be sure to start the engine. Otherwise, it may cause the battery to discharge.**
- **When cleaning the inner side of the window, be careful not to scratch or damage the electrical conductors on the surface of the window.**

HORN



The horn switch operates regardless of the ignition switch position except when the battery is discharged.

When the horn switch is pushed and held, the horn will sound. Releasing the horn switch will cease the horn sound.

WINDOWS

POWER WINDOWS

WARNING:

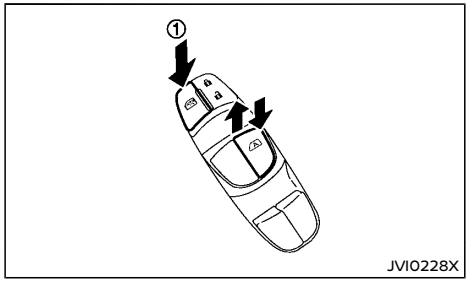
- **Make sure that all passengers have their hands, etc. inside the vehicle before operating the power windows.**
- **To help avoid risk of injury or death through unintended operation of the vehicle and or its systems, including entrapment in windows or inadvertent door lock activation, do not leave children, people who require the assistance of others or pets unattended in your vehicle. Additionally, the temperature inside a closed vehicle on a warm day can quickly become high enough to cause a significant risk of injury or death to people and pets.**

The power windows operate when the ignition switch is in the "ON" position.

To open a window, push down the power window switch.

To close a window, pull up the power window switch.

Driver's window switch



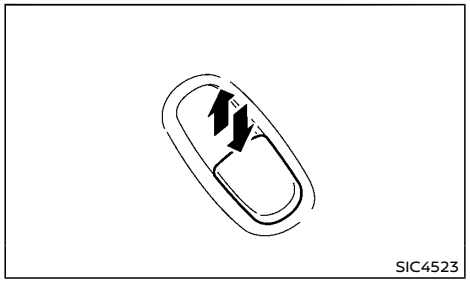
The driver's switch, the main switch, can control all windows.

Locking passenger's windows:

When the lock button ① is pushed in, the passenger's windows cannot be operated.

To cancel the passenger's windows lock, push the lock button ① again.

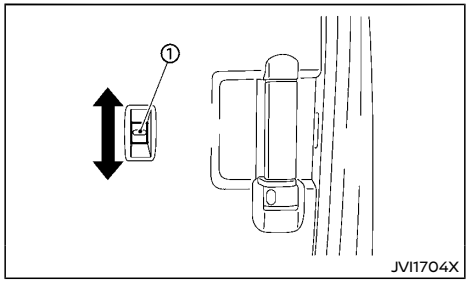
Passenger's window switch


SIC4523

The passenger's switch can control its corresponding window.

When the passenger's windows lock button on the driver's switch is pushed in, the passenger's switch cannot be operated.

Sliding door's window switch

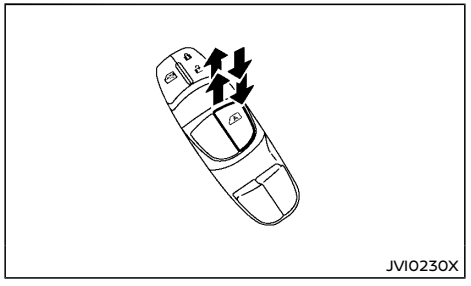


JVI1704X

The sliding door's window switch ① can control the corresponding window.

When the passengers' windows lock button on the driver's side switch is pushed in, the sliding door's window switch ① will not function.

Automatic function


JVI0230X

The automatic function is available for the switch that has an A mark on its surface.

The automatic function enables a window to fully open or close without holding the switch down or up.

To fully open the window, push the power window switch down to the second detent and release the switch. To fully close the window, pull the power window switch up to the second detent and release the switch. The switch does not have to be held during window operation.

To stop the window open/close operation during the automatic function, push down or pull up the switch in opposite directions.

Auto-reverse function:

WARNING:

There is a small distance just before the closed position which cannot be detected. Make sure that all passengers have their hands, etc. inside the vehicle before closing the windows.

The auto-reverse function enables a window to automatically reverse when something is caught in the window as it is closing by the automatic function. When the control unit detects an obstacle, the window will be lowered immediately.

Depending on the environment or driving conditions, the auto-reverse function may activate if an impact or load similar to something being caught in the window occurs.

If the window does not close automatically

If the power window automatic function (closing only) does not operate properly, perform the following procedure to initialize the power window system.

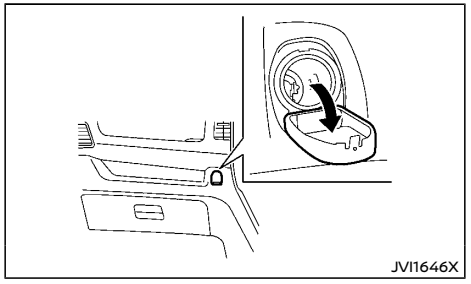
1. Push the ignition switch to start the engine.
2. Close the door.

[Edit: 2017/ 3/ 30 Model: C27-A]

3. After starting the engine, open the window completely by operating the power window switch.
4. Pull the power window switch and hold it to close the window, and then hold the switch more than 3 seconds after the window is closed completely.
5. Release the power window switch. Operate the window by the automatic function to confirm the initialization is complete.

If the power window automatic function does not operate properly after performing the procedure above, have your vehicle checked by a NISSAN dealer.

POWER OUTLETS

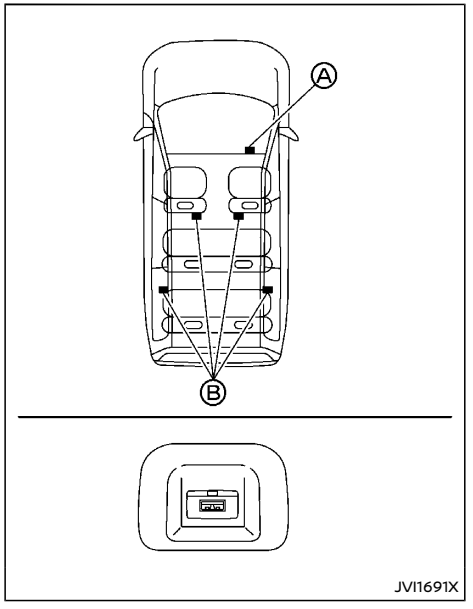

JVI1646X

To use the power outlet, pull the cover as illustrated.

CAUTION:

- **The outlet and plug may be hot during or immediately after use.**
- **This power outlet is not designed for use with a cigarette lighter unit.**
- **Do not use with accessories that exceed a 12 volt, 120W (10A) power draw. Do not use double adapters or more than one electrical accessory.**
- **Use this power outlet with the engine running to avoid discharging the vehicle battery.**
- **Avoid using when the air conditioner, headlights or rear window defogger is on.**
- **Push the plug in as far as it will go. If good contact is not made, the plug may overheat or the internal temperature fuse may blow.**
- **Before inserting or disconnecting a plug, be sure that the electrical accessory being used is turned OFF.**
- **When not in use, be sure to close the cap. Do not allow water or any liquid to contact the outlet.**

USB (Universal Serial Bus) CHARGING CONNECTOR



JVI1691X

Ⓐ Standard
Ⓑ Option

The illustration shows the locations of USB connectors. (The number of USB connectors varies depending on the models.)

The USB connector can be used only for

STORAGE

charging an external device.

Open the cover (if equipped) and connect a USB device into the connector. Charging will start automatically (maximum output up to 5 volt, 5W, 1A).

The external device will be charged continuously while the ignition switch is in the "ACC" or "ON" position.

Some mobile devices cannot be charged depending on their specifications.

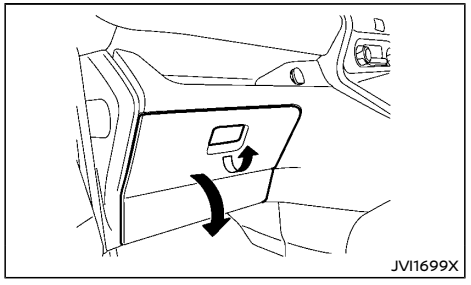
CAUTION:

- **Do not force a USB device into the connector. Inserting the USB device tilted or up-side-down into the connector may damage the connector. Make sure that the USB device is connected correctly into the connector.**
- **Do not use a reversible USB cable. Using the reversible USB cable may damage the connector.**
- **Do not grab the USB connector cover (if equipped) when pulling the USB device out of the connector. This could damage the connector and the cover.**

WARNING:

- **The storages should not be used while driving so that the full attention may be given to vehicle operation.**
- **Keep the storage lids closed while driving to help prevent injury in an accident or sudden stop.**

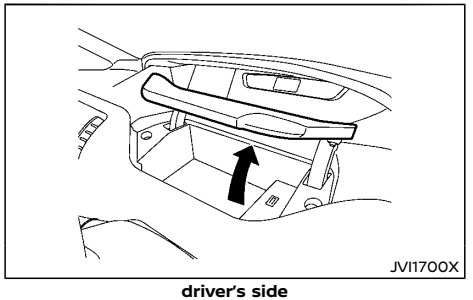
GLOVE BOX


JVI1699X

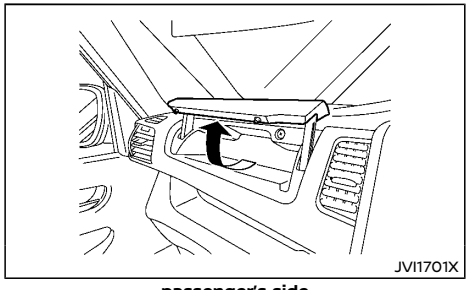
To open the glove box, pull the handle.

To close, push the lid in until the lock latches.

INSTRUMENT UPPER BOXES


JVI1700X

driver's side

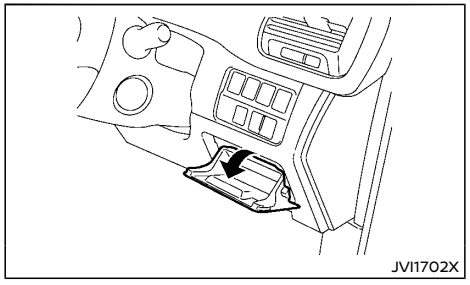

JVI1701X

passenger's side

To open the box, pull the lid.

To close, push the lid in until the lock latches.

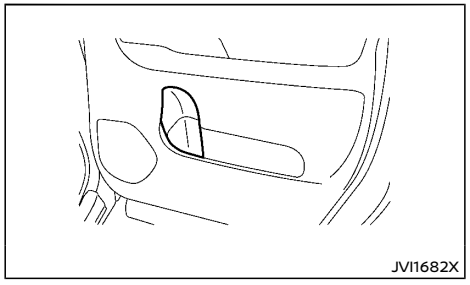
DRIVER'S UNDER BOX



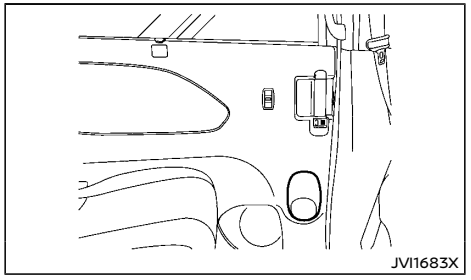
To open the box, pull the lid.

To close, push the lid in until the lock latches.

SOFT BOTTLE HOLDER



Front doors



Sliding doors

The holders are located in the front door and the sliding door pockets.

CAUTION:

- **Do not use bottle holder for any other objects that could be thrown about in the vehicle and possibly injure people during sudden braking or an accident.**
- **Do not use bottle holder for open liquid containers.**

CUP HOLDERS

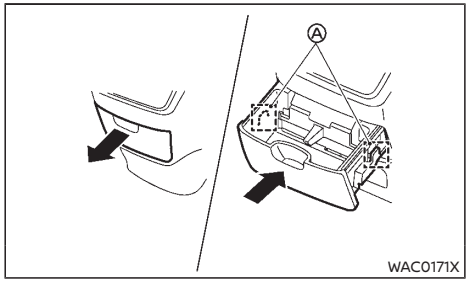
WARNING:

The driver must not remove or insert cups into the cup holder while driving so that full attention may be given to vehicle operation.

CAUTION:

- **Avoid abrupt starting and braking when the cup holder is being used to prevent spilling the contents. If the contents are hot, they could scald you or your passengers.**
- **Do not leave the front cup holders open when using the walk-in function.**

Front



To open the cup holder, pull the instrument panel.

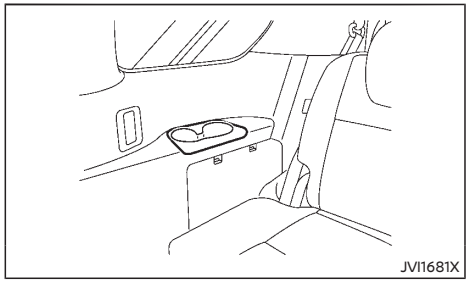
To close the cup holder, push the instrument panel.

The hooks Ⓐ can also be used when the cup holder is opened.

CAUTION:

- **Do not close the cup holder with the shopping bag, etc. hung on the hook.**
- **Do not apply a total load of more than 3 kg (7 lb) to a single hook.**

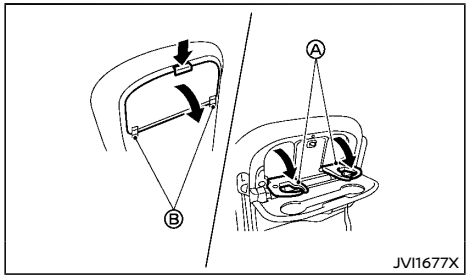
Third row seat



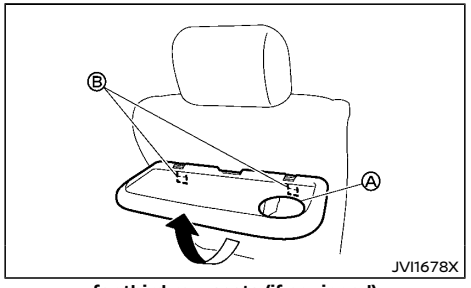
PERSONAL TABLE

CAUTION:

- **Do not use the table while driving.**
- **When the table is not in use, store it to prevent an injury or accident.**
- **Do not apply or place a total load of more than 3 kg (7 lb) on the table. This may damage the table.**
- **When using the table, make sure it is securely locked.**



for second row seats



for third row seats (if equipped)

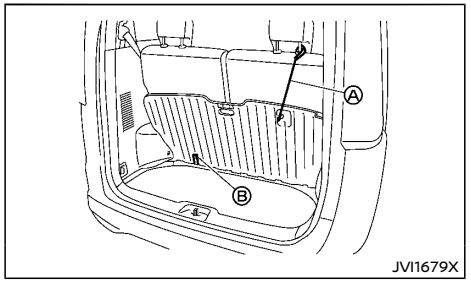
The personal table is located on the rear side of the front seatbacks and the second row seatbacks (if equipped). To use the table, push the button (for second row seats) then pull the table up/down until it locks as illustrated.

When storing the table, hold the center edge of the table and push the table to the stored position.

The cup holders Ⓐ and hooks Ⓑ (for third row seats) can also be used when the table is being used.

To use the hook Ⓑ for second row seats, pull the hook out.

LUGGAGE FLOOR BOX



CAUTION:

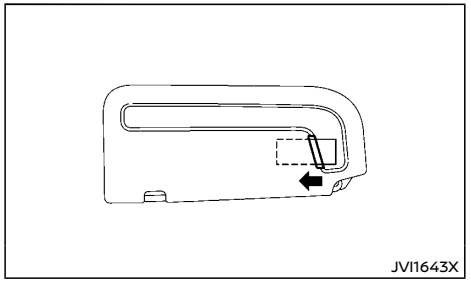
Make sure that the luggage floor box is closed when folding the third row seat or while driving.

To open the luggage floor box, pull it upward.

Secure the luggage floor box lid using the hook on the lid back as illustrated Ⓐ.

To remove the luggage floor box lid, remove the strap Ⓑ from the lid.

TICKET HOLDER

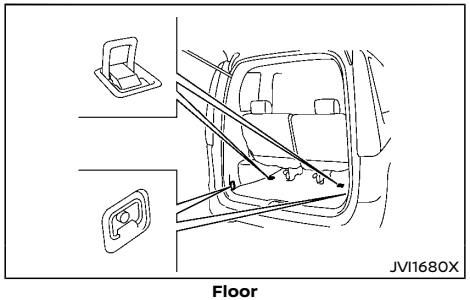


Slide the ticket in the ticket holder.

LUGGAGE HOOKS

WARNING:

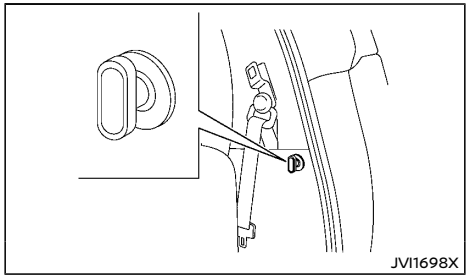
- **Always make sure that the luggage is properly secured. Use the suitable ropes and hooks.**
- **Unsecured luggage can become dangerous in an accident or sudden stop.**



Floor

CAUTION:

Do not apply a total load of more than 30 kg (66 lb) to a single hook on the floor.

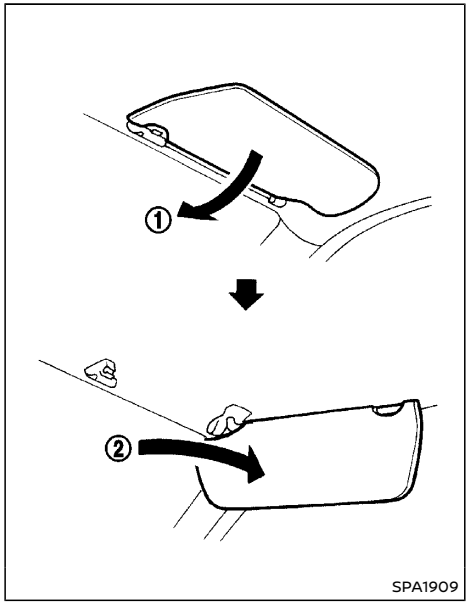


Luggage room pillar

CAUTION:

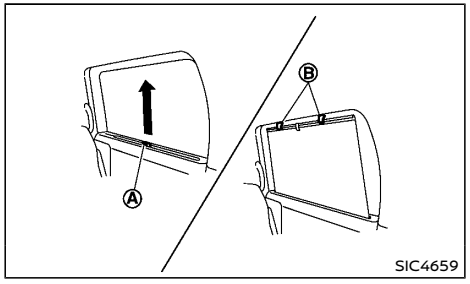
Do not apply a total load of more than 3 kg (7 lb) to a single hook on the luggage room pillar.

SUN VISORS



1. To block out glare from the front, swing down the sun visor ①.
2. To block glare from the side, remove the sun visor from the center mount and swing it to the side ②.

REAR SUNSHADE



CAUTION:

Do not pull the sunshade in any direction other than upward. Doing so may damage the sunshade.

The rear sunshades are equipped on the second row seat windows.

To raise the sunshade, pull the knob Ⓐ up and hang the sunshade on the hooks Ⓑ.

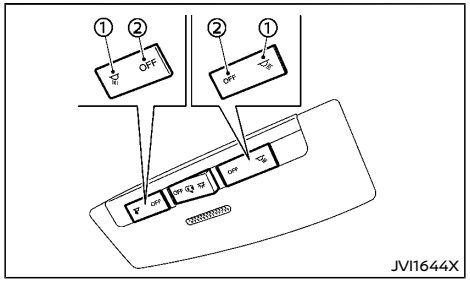
To store the sunshade, remove the sunshade from the hooks and lower it.

INTERIOR LIGHTS

CAUTION:

- **Do not leave the light switch on when the engine is not running for extended periods of time to prevent the battery from being discharged.**
- **Turn off the lights when you leave the vehicle.**

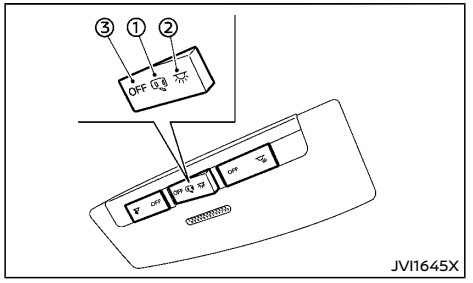
FRONT MAP/ROOM



Operate the map/room light switch to turn the map/room light on or off.

① : ON position
② : OFF position

FRONT MAP/ROOM LIGHT CONTROL SWITCH



The map/room lights control switch has three positions: DOOR ①, ON ② and OFF ③.

DOOR position

When the switch is in the door position ①, the map/room lights will illuminate under the following conditions:

- ignition switch is placed in the "OFF" position
  — remain on for about 15 seconds.
- doors are unlocked by pushing the "UNLOCK" button (on the Intelligent Key) or the request switch, with the ignition switch in the "OFF" position
  — remain on for about 15 seconds.
- any door is opened and then closed with the ignition switch in the "OFF" position
  — remain on for about 15 seconds.
- any door is opened with the ignition switch in the "ON" position
  — remain on while the door is opened. When the door is closed, the lights go off.

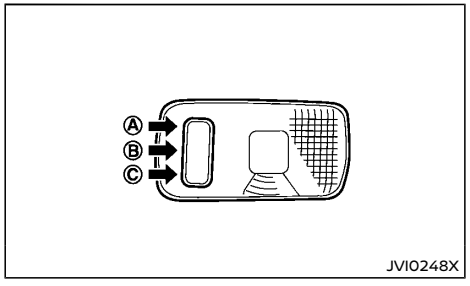
ON position

When the switch is in the ON position ②, the map/room lights will illuminate.

OFF position

When the switch is in the OFF position ③, the map/room lights will not illuminate, regardless of any other condition.

LUGGAGE ROOM LIGHT



The luggage room light has a three-position switch.

Ⓐ : OFF

Ⓑ : CENTER

Ⓒ : ON

When the luggage room light switch is in the "CENTER" position Ⓑ, the luggage room light illuminates when the back door or the half back door is opened.

When the luggage room light switch is in the "ON" position Ⓒ, the luggage room light illuminate, regardless of any condition.

When the luggage room light switch is in the "OFF" position Ⓐ, the luggage room light does not illuminate, regardless of any condition.

BATTERY SAVER SYSTEM

The interior light will automatically turn off within a period of time after the latest operation of the following with the ignition switch in the "OFF" position:

- Opening or closing any door
- Locking or unlocking with a key, the power door lock switch, or using the Intelligent Key system
- Pushing the ignition switch

The light will turn on again when any of the above operations is performed after the light has turned off automatically.

3 Pre-driving checks and adjustments

KEYS

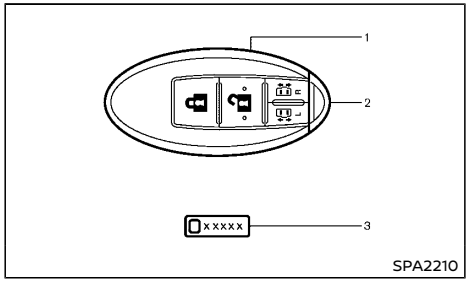
Your vehicle can only be driven with the keys specific to your vehicle. A key number plate is supplied with your key. Record the key number and keep the key number plate in a safe place, except in the vehicle, in case of the need to duplicate the keys.

The key can only be duplicated using an original key or the original key number. The key number is required when you have lost all of the keys and do not have the original key to duplicate from. If the key is lost, or you need extra keys, provide an original key or the key number to a NISSAN dealer.

CAUTION:

Do not leave the keys inside the vehicle when leaving the vehicle.

INTELLIGENT KEY



1. Intelligent Key (2)
2. Mechanical key (in the Intelligent Key) (2)
3. Key number plate (1)

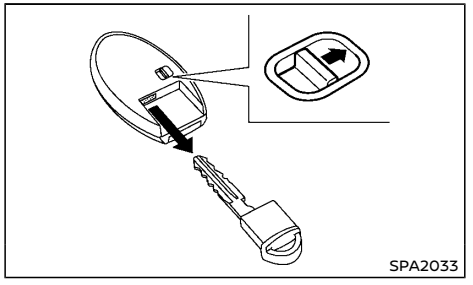
Your vehicle can only be driven with the Intelligent Keys, which are registered to your vehicle's Intelligent Key system components and NISSAN Anti-Theft System (NATS*) components. As many as 4 Intelligent Keys can be registered and used with one vehicle. The new keys must be registered by a NISSAN dealer prior to use with the Intelligent Key system and NATS of your vehicle. Since the registration process requires erasing all memory in the Intelligent Key components when registering new keys, be sure to take all Intelligent Keys that you have to the NISSAN dealer.

*: Immobilizer

CAUTION:

- **Be sure to carry the Intelligent Key with you. Do not leave the vehicle with the Intelligent Key inside.**
- **Be sure to carry the Intelligent Key with you when driving. The Intelligent Key is a precision device with a built-in transmitter. To avoid damaging it, please note the following.**
  - **— The Intelligent Key is water resistant; however, wetting may damage the Intelligent Key. If the Intelligent Key gets wet, immediately wipe until it is completely dry.**
  - **— Do not bend, drop or strike it against another object.**
  - **— If the outside temperature is below -10°C (14°F) degrees, the battery of the Intelligent Key may not function properly.**
  - **— Do not place the Intelligent Key for an extended period in a place where temperatures exceed 60°C (140°F).**
  - **— Do not change or modify the Intelligent Key.**
  - **— Do not use a magnet key holder.**
  - **— Do not place the Intelligent Key near equipment that produces a magnetic field such as a TV, audio equipment, personal computers and cellular telephone.**
  - **— Do not allow the Intelligent Key to come into contact with water or salt water, and do not wash it in a washing machine. This could affect the system function.**
- **If an Intelligent Key is lost or stolen, NISSAN recommends erasing the ID code of that Intelligent Key. This will prevent the Intelligent Key from unauthorized use to unlock the vehicle. For information regarding the erasing procedure, please contact a NISSAN dealer.**

Mechanical key



To remove the mechanical key, release the lock knob at the back of the Intelligent Key.

To install the mechanical key, firmly insert it into the Intelligent Key until the lock knob returns to the lock position.

Use the mechanical key to lock or unlock the

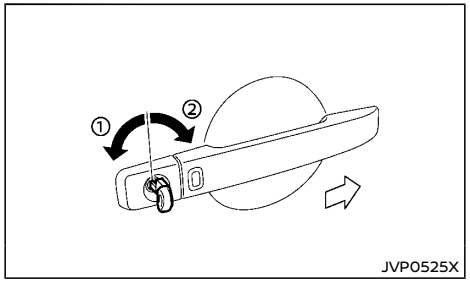
DOORS

doors. (See "Doors" (P.3-3).)

WARNING:

- **Always look before opening any doors, to avoid an accident with oncoming traffic.**
- **To help avoid risk of injury or death through unintended operation of the vehicle and or its systems, including entrapment in windows or inadvertent door lock activation, do not leave children, people who require the assistance of others or pets unattended in your vehicle. Additionally, the temperature inside a closed vehicle on a warm day can quickly become high enough to cause a significant risk of injury or death to people and pets.**

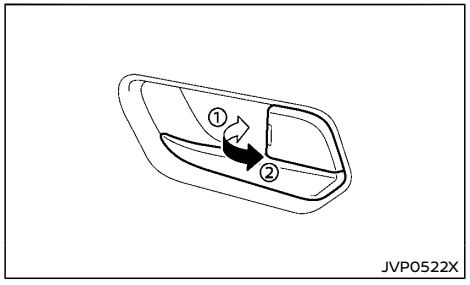
LOCKING WITH KEY



To lock the door, insert the key into the door key cylinder located on the driver's side door, and turn the key toward the rear of the vehicle ①. All doors will lock.

To unlock the door, turn the key toward the front of the vehicle ②. All doors will unlock.

LOCKING WITH INSIDE LOCK KNOB



CAUTION:

When locking the doors using the inside lock knob, be sure not to leave the key in the vehicle.

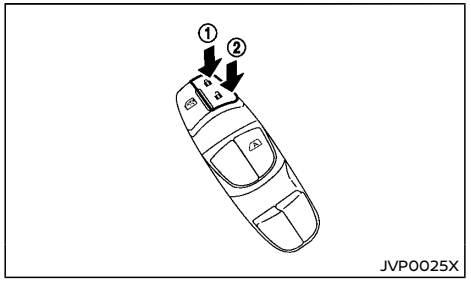
To lock the doors, push the inside lock knob to the lock position ① then close the door with the outside door handle pulled.

To unlock the door, push the inside lock knob to the unlock position ②.

Operating the driver's side lock knob will lock or unlock all the doors.

When the driver's door is locked, pulling the driver's side door handle will unlock all doors.

LOCKING WITH POWER DOOR LOCK SWITCH



Operating the power door lock switch will lock or unlock all the doors.

To lock the doors, push the power door lock switch to the lock position ① with the driver's door open, then close the door while pulling the outside door handle.

CAUTION:

- **When locking the doors using the power door lock switch, be sure not to leave the key in the vehicle.**
- **When the Intelligent Key is left in the vehicle, and you try to lock the door using the power door lock switch after getting out of the vehicle, all the doors will unlock automatically after the door is closed.**

To unlock, push the power door lock switch to the unlock position ②.

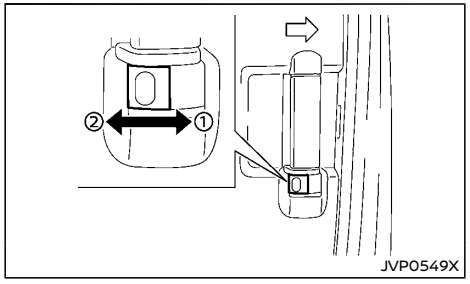
SLIDING DOORS

WARNING:

Close the fuel-filler lid when opening/closing the sliding door.

When the fuel-filler lid is open, the driver's side sliding door can be opened only halfway.

Locking with inside lock knob



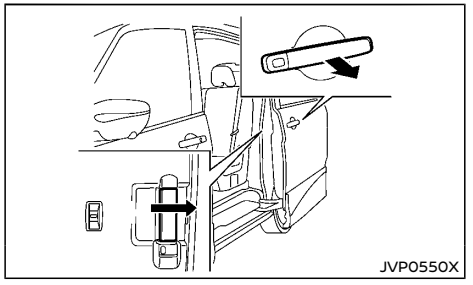
To lock the sliding door without a key, push the lock knob to the lock position ①, and then close the door.

To unlock the sliding door without a key, pull the inside lock knob to the unlock position ②.

CAUTION:

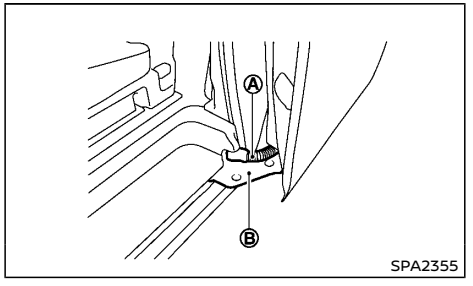
- **Always use the door handle to open or close the sliding door. Do not attempt to open or close the door by merely placing your hand on the door edge or door slide roller as this may cause injury.**
- **When opening the door on a slope, be sure to fully open the door until it locks.**

Opening/Closing the sliding door



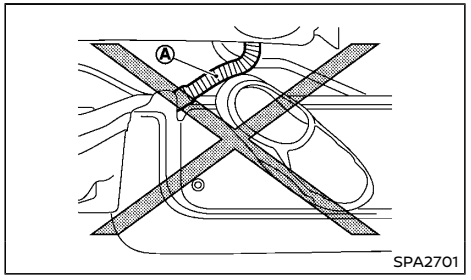
The sliding door will be latched at the fully opened/closed position.

To open/close the sliding door manually, pull the door handle or the inside door handle.



CAUTION:

Do not put your hands or feet on the harness Ⓐ or the bracket Ⓑ. This may cause damage to the vehicle or personal injury.



CAUTION:

Before closing the sliding door, make sure that no objects are placed on the door step. Otherwise, the harness Ⓐ could be damaged.

SLIDING DOOR AUTO CLOSURE FUNCTION

The auto closure function will operate when the sliding door is not fully closed.

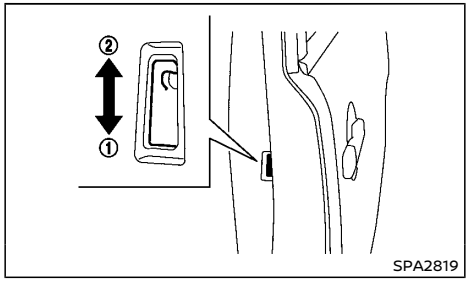
WARNING:

When the auto closure function is operating, be careful not to trap your fingers in the sliding door.

NOTE:

- **If the sliding door is closed with the door handle pulled to the open direction, the auto closure function will not activate.**
- **If the battery is low, the auto closure function may not activate. In this case, close the door firmly by hand or close it again after starting the engine.**
- **If the sliding door is not securely closed due to the auto closure function malfunction, open the sliding door and then close it manually.**
- **If the sliding door is not opened due to the auto closure function malfunction, have the system checked by a NISSAN dealer as soon as possible.**

CHILD SAFETY SLIDING DOOR LOCK



The child safety sliding door locks help prevent sliding doors from being opened accidentally, especially when small children are in the vehicle.

When the levers are in the lock position ①, the child safety sliding door locks engage and the sliding doors can only be opened by the outside door handles.

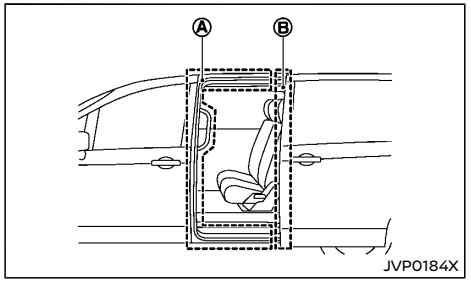
To disengage, move the levers to the unlock position ②.

POWER SLIDING DOOR

The power sliding door system will allow you to open or close the sliding doors automatically using the switches, door handles or the Hands-free slide door function (if equipped).

WARNING:

- **There are some small distances immediately before the closed position which cannot be detected. Make sure that all passengers have their hands, feet etc., inside the vehicle before closing the door.**

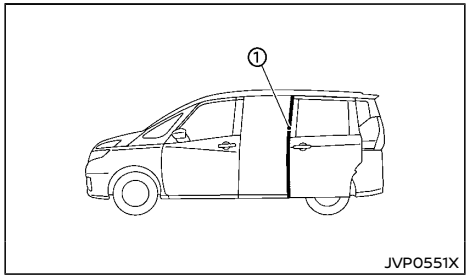


- **Do not put your hands or feet on the vehicle body Ⓐ or the sliding door Ⓑ while operating the sliding door.**
- **Operate the sliding door only when the vehicle is completely stopped.**
- **If the vehicle starts moving while the power sliding door is being closed, the safety control of the auto closure function will activate. In this case, a loud noise may be heard from the lock part of the sliding door the next time the door is opened. Make sure that all doors are closed before starting the vehicle.**

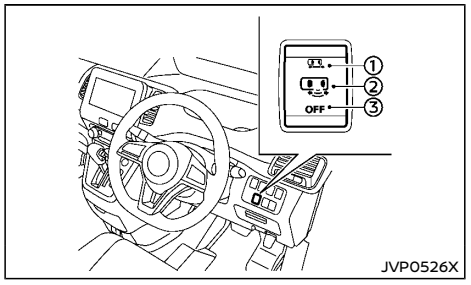
- **Before operating the power sliding door, be sure there is nothing interfering with the door opening or closing.**
- **Do not operate the power sliding door when the vehicle is on a steep incline.**
- **Do not touch the sliding door rail or cable. If you touch the power sliding door cable the door could automatically operate.**

PRECAUTIONS ON SLIDING DOOR OPERATION

- **Do not perform power sliding door operation frequently when the engine is stopped. This could cause the battery to discharge.**
- **Do not start the engine while the sliding door is in a power operation. The door may not operate properly.**
- Make sure that the sliding doors are closed before starting the vehicle.
- Under the following conditions, turn the power door main switch off:
  — When the sliding door is malfunctioning.
  — When operating the sliding door manually.
  — When you need to keep the sliding door open for a period of time.
  — When washing the vehicle or performing any maintenance work.



- Be careful not to damage the sensor ① of the sliding door.
- When reconnecting the battery cable with the sliding door open (in case of a discharged battery, etc.), be sure to fully close the sliding door manually once before performing the power operation. Otherwise, the power open or close function may not operate properly.
- When the door is fully opened, make sure that you do not put your hands on the door handle or touch the one-push switch inadvertently. The door will close automatically when the door handle or switch is operated.



power door main switch (for models with Hands-free slide door function)

① Power open/close (hands-free operation - OFF)

② Power open/close (hands-free operation - ON)

③ Manual operation

Using the power door main switch, you can switch the sliding door between automatic and manual operation. To turn on the automatic operating mode, push the switch to the ON, ① or ② position. To turn off the automatic operation, push the switch to the OFF or ③

[Edit: 2017/ 3/ 30 Model: C27-A]

position. The sliding door can then be operated manually.

The power sliding door system can be operated when the power door main switch is turned to the ON, ① or ② position and in all of following conditions regardless of the ignition switch position.

- The vehicle is stopped.
- Battery voltage is normal.
- The sliding door is unlocked.
- The fuel-filler lid is closed. (for driver's side only)

When the ignition switch is in the "ON" position, the system can be operated in the above and one of the following conditions.

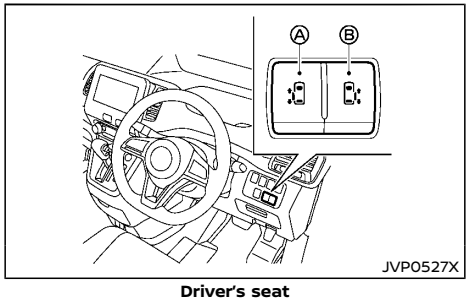
- Shift lever is set to the "P" (Park) position.
- Brake pedal is depressed.
- Parking brake is applied.

If the conditions are interrupted when the power sliding door is being operated, the operation may be stopped. In this case, meet the conditions above and the power sliding door operation will return to normal.

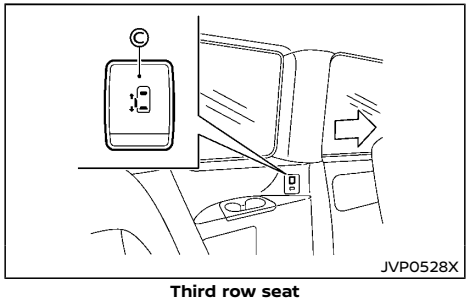
NOTE:

- **For models with Hands-free slide door: When washing, waxing or maintaining your vehicle, placing or replacing the body cover, or splashing water to the area around the hands-free sensor, place the power door main switch in the ③ position.**
- **If the power open or close operation is performed consecutively, the safety mode activates and the operation cannot be performed for a certain period of time. In this case, wait for a while and then perform the operation.**

OPERATING SLIDING DOOR SWITCH



Driver's seat



Third row seat

Ⓐ and Ⓒ
Passenger's side sliding door switch

Ⓑ Driver's side sliding door switch

To operate the sliding doors with the sliding door switches, turn on the power door main switch.

- When the sliding door is fully closed, push and hold the sliding door switch for about 1 second. The sliding door will automatically open to the fully opened position.
- When the sliding door is fully opened, push and hold the sliding door switch for about 1 second. The sliding door will automatically close to the fully closed position.
- If the sliding door switch is pushed while the sliding door is being operated automatically, the door will stop immediately. If the switch is pushed again for about 1 second, the door will start moving in the reverse direction and stop at the fully opened or closed position.

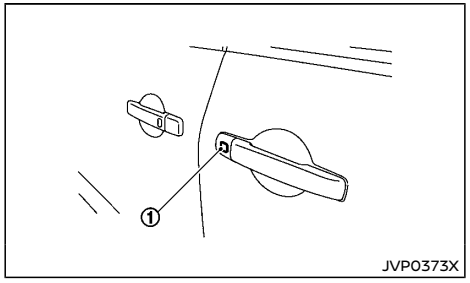
NOTE:

When the child safety sliding door lock is engaged, the power sliding door will not be opened by the sliding door switch of the passenger side for the third row seat. (The closing function of the power sliding door is active.)

OPERATING SLIDING DOOR BY REMOTE CONTROLLER BUTTON

The sliding doors can also be opened and closed by pushing the power sliding door button on the Intelligent Key. (See "Using remote keyless entry function" (P.3-15).)

OPERATING SLIDING DOOR BY ONE-PUSH SWITCH



When the sliding door is fully closed/opened, the sliding door will fully open/close automatically by pushing the one-push switch ①.

If the switch is pushed while the sliding door is being operated automatically, the door will stop immediately. If the switch is pushed again, the door will start moving to the reverse direction and stop at the full open or close position.

The sliding door can be opened by pushing the one-push switch when you carry the Intelligent Key even if the sliding door is locked. The Intelligent Key needs to be within 80 cm (31.5 in) from the one-push switch. All the doors will unlock at this time.

When the Intelligent Key (request switch) function is disabled, the unlocking function cannot be operated by the one-push switch.

The doors will not lock when the sliding door has been closed by the one-push switch. Be sure to lock the doors when you leave the vehicle.

OPERATING SLIDING DOOR BY DOOR HANDLE (inside or outside)

When the sliding door handle (inside or outside) is pulled until you hear the buzzer, the sliding door will automatically open or close.

If you pull the door handle while the sliding door is being operated automatically, the door will stop immediately. If you pull the door handle again, the door will start moving in the desired (inside)/reverse (outside) direction and stop at the fully opened or closed position.

NOTE:

When the child safety sliding door lock is engaged, the door will not be opened by the door handle inside the vehicle. (See "Child safety sliding door lock" (P.3-5).)

SLIDING DOOR AUTO REVERSE FUNCTION

If the power sliding door system detects something caught in the sliding door or dragging while operating automatically (with the switch or remote control), the door will move slightly in the reverse direction and stop.

If you touch the sensor of the sliding door while the sliding door is closing automatically, the door will move slightly in the reverse direction and stop.

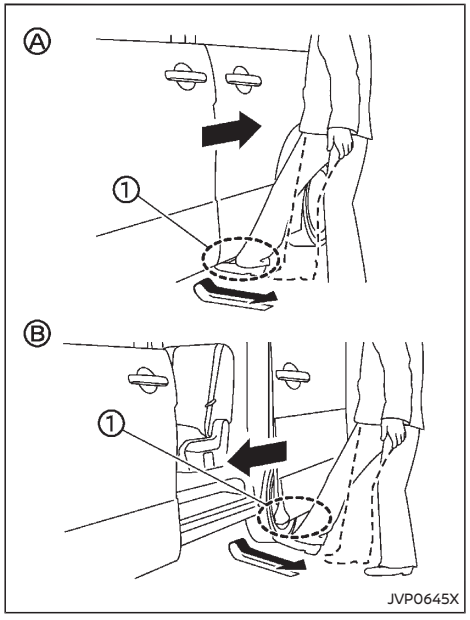
ALL DOOR INTERLOCKING LOCK FUNCTION

When the sliding door is fully opened, and you close the sliding door after moving the inside lock knob of the sliding door to the lock position (toward the front of the vehicle), all the doors will lock automatically after the sliding door is closed.

NOTE:

- **When the ignition switch is in the "ON" position, all doors will not lock. (All the doors will unlock immediately after locking operation.)**
- **Before using this function, be sure to close all the doors other than the sliding door.**

HANDS-FREE SLIDE DOOR

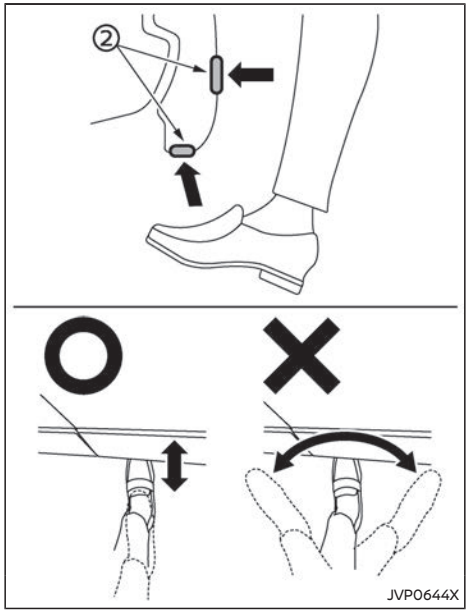


Ⓐ For power sliding door opening

Ⓑ For power sliding door closing

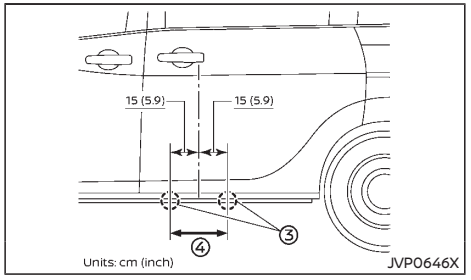
The hands-free sensors, located on the lower side of the sliding door, enable you to open or close the sliding door in hands-free mode.

When you move your foot under and away from the operating range ① quickly while carrying the Intelligent Key with you, the sliding door will open or close automatically.



NOTE:

- **Move both your toes and leg close to the hands-free sensors ② as illustrated.**
- **Move your foot vertically to the sliding door as shown.**



NOTE:

The hands-free sensors ② are located as shown. When using the hands-free function, move your foot within the operating range to achieve proper motion activation. Additionally, moving your foot beyond the sensor setting range ④ will not open/close the sliding door. The marks ③ are located on the lower end surface of the sliding door.

NOTE:

- **The hands-free sensors may not function under the following conditions:**
  - **— When operating near a location where strong radio waves are transmitted, such as a TV tower, power station or broadcasting station.**
  - **— When the vehicle is parked near a parking meter.**

  In such cases, pull the sliding door handle, push the one-push switch or push the power sliding door button on the Intelligent Key to open/close the sliding door.
- **The power sliding door may not operate when your foot remains in the operating range ① or touches the sliding door.**

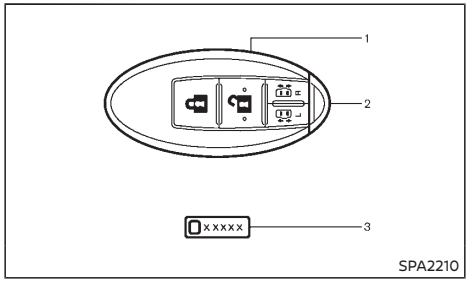
INTELLIGENT KEY SYSTEM

- **Note that the hands-free sensors may be damaged if the sliding door comes into contact with curbstones, etc. If the system is not functioning properly, have the system checked by a NISSAN dealer.**
- **All doors unlock if the hands-free function is operated with the doors locked.**
- **When the power sliding door is being operated, the sliding door will not stop if you use the hands-free function again. Additionally, the power sliding door cannot be operated if you use the hands-free function from the middle position.**

CAUTION:

- **When using the hands-free function, be sure not to contact the sliding door while in operation. Stand out of the operating range, otherwise you may contact the sliding door which could result in possible injury.**
- **When splashing water to the area around the hands-free sensors, the system may not function properly.**

When the Intelligent Key (request switch) function is disabled, the hands-free function is also turned off.



1. Intelligent Key (2)
2. Mechanical key (in the Intelligent Key) (2)
3. Key number plate (1)

WARNING:

- **Radio waves could adversely affect electric medical equipment. Those who use a pacemaker should contact the electric medical equipment manufacturer for the possible influences before use.**
- **The Intelligent Key transmits radio waves when the buttons are pushed. The radio waves may affect aircraft navigation and communication systems. Do not operate the Intelligent Key while on an airplane. Make sure the buttons are not operated unintentionally when the unit is stored during a flight.**

The Intelligent Key system can operate all the door and the back door using the remote controller function or pushing the request switch on the vehicle without taking the key out from a pocket or purse. The operating environment and/or conditions may affect the Intelligent Key system operation.

Be sure to read the following before using the Intelligent Key system.

CAUTION:

- **Be sure to carry the Intelligent Key with you when operating the vehicle.**
- **Never leave the Intelligent Key in the vehicle when you leave the vehicle.**

The Intelligent Key is always communicating with the vehicle as it receives radio waves. The Intelligent Key system transmits weak radio waves. Environmental conditions may interfere with the operation of the Intelligent Key system under the following operating conditions.

- When operating near a location where strong radio waves are transmitted, such as a TV tower, power station and broadcasting station.
- When in possession of wireless equipment, such as a cellular telephone, transceiver, and CB radio.
- When the Intelligent Key is in contact with or covered by metallic materials.
- When any type of radio wave remote control is used nearby.
- When the Intelligent Key is placed near an electric appliance such as a personal computer.
- When the vehicle is parked near a parking meter.

In such cases, correct the operating conditions before using the Intelligent Key function or use the mechanical key.

Although the life of the battery varies depending on the operating conditions, the battery's life is approximately 2 years. If the battery is discharged, replace it with a new one.

For information regarding replacement of a battery, see "Intelligent Key battery" (P.8-15).

Since the Intelligent Key is continuously receiving radio waves, if the key is left near equipment which transmits strong radio waves, such as signals from a TV and personal computer, the battery life may become shorter.

As many as 4 Intelligent Keys can be used with one vehicle. For information about the purchase and use of additional Intelligent Keys, contact a NISSAN dealer.

CAUTION:

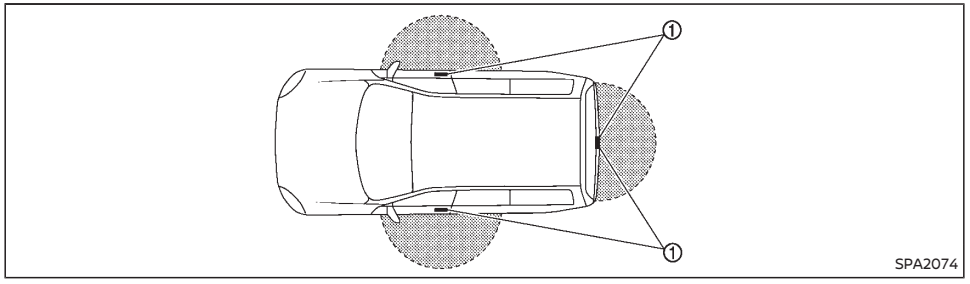
- **Do not allow the Intelligent Key, which contains electrical components, to come into contact with water or salt water. This could affect the system function.**
- **Do not drop the Intelligent Key.**
- **Do not strike the Intelligent Key sharply against another object.**
- **Do not change or modify the Intelligent Key.**
- **Wetting may damage the Intelligent Key. If the Intelligent Key gets wet, immediately wipe until it is completely dry.**
- **Do not place the Intelligent Key for an extended period in an area where temperatures exceed 60°C (140°F).**
- **If the outside temperature is below –10°C (14°F), the battery of the Intelligent Key may not function properly.**
- **Do not attach the Intelligent Key with a key holder that contains a magnet.**
- **Do not place the Intelligent Key near equipment that produces a magnetic field, such as a TV, audio equipment and personal computers.**

If an Intelligent Key is lost or stolen, NISSAN recommends erasing the ID code of that Intelligent Key from the vehicle. This may prevent the unauthorized use of the Intelligent Key to operate the vehicle. For information regarding the erasing procedure, contact a NISSAN dealer.

For information regarding replacement of a battery, see "Intelligent Key battery" (P.8-15).

The Intelligent Key function can be disabled. For information about disabling the Intelligent Key function, contact a NISSAN dealer.

OPERATING RANGE



The Intelligent Key functions can only be used when the Intelligent Key is within the specified operating range from the request switch ①.

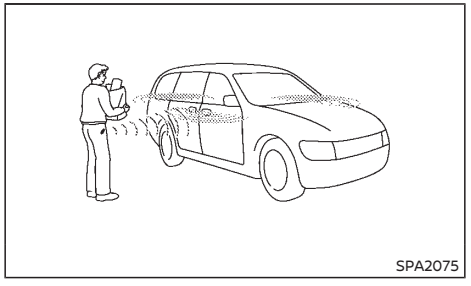
When the Intelligent Key battery is discharged or strong radio waves are present near the operating location, the Intelligent Key system's operating range becomes narrower, and the Intelligent Key may not function properly.

The operating range is within 80 cm (31.50 in) from each request switch ①.

If the Intelligent Key is too close to the door glass, handle or rear bumper the request switches may not function.

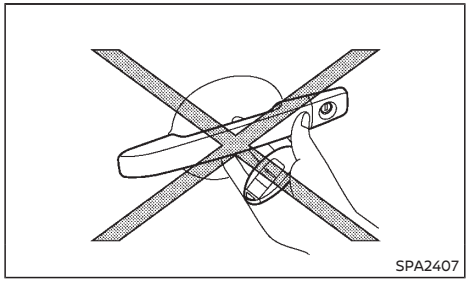
When the Intelligent Key is within the operating range, it is possible for anyone, even someone who does not carry the Intelligent Key, to push the request switch and lock/unlock the doors.

USING INTELLIGENT KEY SYSTEM



The request switch will not function under the following conditions:

- When the Intelligent Key is left inside the vehicle
- When the Intelligent Key is not within the operational range
- When any door is open or not closed securely
- When the Intelligent Key battery is discharged
- When the power switch is in the "ON" position



- Do not push the door handle request switch with the Intelligent Key held in your hand as illustrated. The close distance to the door handle will cause the Intelligent Key system to have difficulty recognizing that the Intelligent Key is outside the vehicle.
- After locking the doors using the door handle request switch, make sure that the doors have been securely locked by operating the door handles.
- When locking the doors using the door handle request switch, make sure to have the Intelligent Key in your possession before operating the door handle request switch to prevent the Intelligent Key from being left in the vehicle.
- The door handle request switch is operational only when the Intelligent Key has been detected by the Intelligent Key system.
- Do not pull the door handle before pushing the door handle request switch. The door will be unlocked but will not open. Release the door handle once and pull it again to

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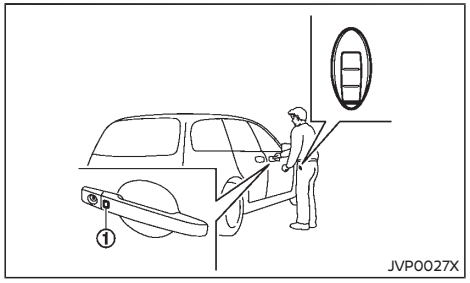
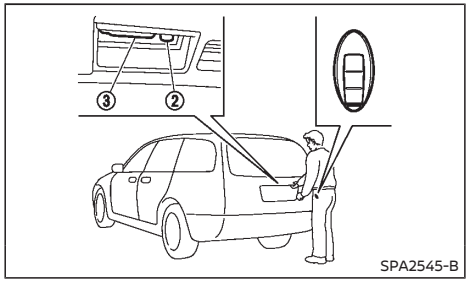
open the door.





When you carry the Intelligent Key with you, you can lock or unlock all doors by pushing the door handle request switch ① or back door request switch ② within the range of operation.

When you lock or unlock the doors or open the back door, the hazard indicator will flash and the outside chime will sound as a confirmation. For details, see "Hazard indicator and outside chime operation" (P.3-17).

Welcome light and farewell light function

When you lock or unlock the doors including the back door, the clearance lights, tail lights and the license plate light will illuminate for a period of time. The welcome light and farewell light function can be disabled. For information about disabling the welcome light and farewell light function, contact a NISSAN dealer.

Locking doors

1. Place the power switch in the "OFF" position.
2. Carry the Intelligent Key with you.
3. Close all doors.
4. Push the door handle request switch ① or the back door request switch ②.
5. All doors and the back door will be locked.
6. Operate door handles to confirm that the doors have been securely locked.

Lockout protection:

To prevent the Intelligent Key from being accidentally locked in the vehicle, the Intelligent Key system is equipped with lockout protection.

- When the driver's side door is open and the Intelligent Key is inside the vehicle, the driver's side door cannot be locked using the inside lock knob or power door lock switch.
- When a door is open and the Intelligent Key is inside the vehicle, if all the doors are locked by the inside lock knob or the power door lock switch and then the door is closed, all the doors will be unlocked and the outside buzzer will sound.

CAUTION:

The lockout protection may not function under the following conditions:

- **When the Intelligent Key is placed on top of the instrument panel.**
- **When the Intelligent Key is placed inside of the glove box.**
- **When the Intelligent Key is placed inside of a door pocket.**
- **When the Intelligent Key is placed inside or near the metal box.**

The lockout protection may function when the Intelligent Key is outside the vehicle but it is too close to the vehicle.

Unlocking doors

1. Carry the Intelligent Key with you.
2. Push the door handle request switch ① or back door request switch ②.
3. All doors and the back door will be unlocked.

If a door handle is pulled while unlocking the doors, that door may not be unlocked. Returning the door handle to its original position will unlock the door. If the door does not unlock, after returning the door handle, push the door handle request switch to unlock the door.

Automatic relock:

All doors will be locked automatically unless one of the following operations is performed within 30 seconds after pushing the request switch while the doors are locked.

- Opening any doors.
- Pushing the power switch.

Opening back door

1. Carry the Intelligent Key.
2. Push the back door opener switch ③ to unlock and open the door.

To close the back door, pull down the back door and then push it down securely.

To lock the back door, push the back door request switch ②.

WARNING SIGNALS

The Intelligent Key system is equipped with a function that is designed to minimize improper operations and to help prevent the vehicle from being stolen. The warning buzzer sounds and the warning display appears on the vehicle information display when improper operations are detected.

CAUTION:

When the buzzer sounds and the warning display appears, be sure to check both the vehicle and the Intelligent Key.

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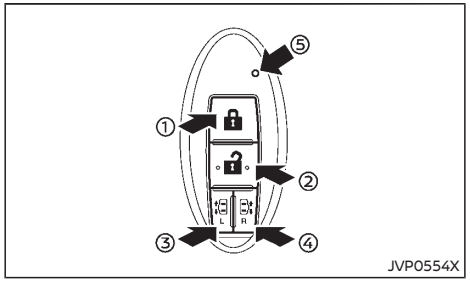
TROUBLESHOOTING GUIDE

Symptom		Possible cause	Action to take
When pushing the ignition switch to stop the engine	The Shift to Park warning appears on the display and the inside warning chime sounds for a few seconds.	The shift lever is not in the "P" (Park) position.	Shift the shift lever to the "P" (Park) position.
When closing the door after getting out of the vehicle	The No Key Detected warning appears on the display, the outside chime sounds 3 times and the inside warning chime sounds for a few seconds.	The ignition switch is in the "ON" position.	Push the ignition switch to the "OFF" position.
	The Shift to Park warning appears on the display and the outside chime sounds continuously.	The shift lever is not in the "P" (Park) position.	Move the shift lever to the "P" (Park) position.
When closing the door with the inside lock knob turned to "LOCK"	The outside chime sounds for a few seconds and all the doors unlock.	The Intelligent Key is inside the vehicle.	Carry the Intelligent Key with you.
When pushing the request switch or the "LOCK" button on the Intelligent Key to lock the door	The outside chime sounds for a few seconds.	The Intelligent Key is inside the vehicle.	Carry the Intelligent Key with you.
		A door is not closed securely.	Close the door securely.
When pushing the ignition switch to start the engine	The Key Battery Low warning appears on the display.	The battery charge is low.	Replace the battery with a new one. (See "Intelligent Key battery" (P.8-15).)
	The No Key Detected warning appears on the display and the inside warning chime sounds for a few seconds.	The Intelligent Key is not in the vehicle.	Carry the Intelligent Key with you.
When pushing the ignition switch	The Key System Error warning appears on the display.	It warns of a malfunction with the electrical steering lock system or the Intelligent Key system.	Contact a NISSAN dealer.

[Edit: 2017/ 3/ 30 Model: C27-A]

USING REMOTE KEYLESS ENTRY FUNCTION



① LOCK button
② UNLOCK button
③ Power sliding door button (passenger's side)
④ Power sliding door button (driver's side)
⑤ Battery indicator light

Operating range

It is possible to lock/unlock all doors including the back door using the remote keyless entry system. The operating distance depends upon the conditions around the vehicle. To securely operate the lock and unlock buttons, approach the vehicle to about 1 m (3.3 ft) from the door.

The remote keyless entry system will not function under the following conditions:

- When the Intelligent Key is not within the operational range.
- When the Intelligent Key battery is discharged.

For information regarding the replacement of a battery, see "Intelligent Key battery" (P.8-15).

Locking doors

1. Place the power switch in the "OFF" position and carry the Intelligent Key.
2. Close all doors (including the back door).
3. Push the "LOCK" button ① on the Intelligent Key.
4. All doors will be locked.
5. Operate the door handles to confirm that the doors have been securely locked.

CAUTION:

After locking the doors using the Intelligent Key, be sure that the doors have been securely locked by operating the door handles.

Unlocking doors

1. Push the "UNLOCK" button ② on the Intelligent Key.
2. All doors (including the back door) will be unlocked.

Automatic relock:

All doors will be locked automatically unless one of the following operations is performed within 30 seconds after pushing the "UNLOCK" button.

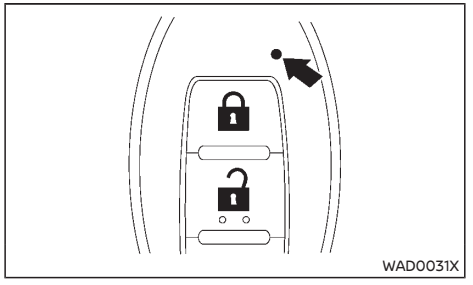
- Opening any door or back door.
- Pushing the power switch.

Operating sliding door by remote controller button

To operate the sliding doors with the remote controller button, place the power switch in the "OFF" position.

- When the sliding door is fully closed, push and hold the button ③ (passenger's side) or ④ (driver's side) on the Intelligent Key for about 1 second. The sliding door will automatically open to the fully opened position.
- When the sliding door is fully opened, push and hold the button for about 1 second. The sliding door will automatically close to the fully closed position.
- If the button is pushed while the sliding door is being operated automatically, the door will stop immediately. If the button is pushed again for about 1 second, the door will start moving in the reverse direction and stop at the fully opened or closed position.

Battery indicator light



The light ⑤ blinks only when you push any button on the Intelligent Key. The light illumination only signifies that the Intelligent Key has transmitted a signal. You may look and/or

listen to verify that the vehicle has performed the intended operation. If the light ⑤ does not blink, the Intelligent Key battery may be too weak to communicate to the vehicle. If this occurs, the battery may need to be replaced.

For additional information regarding the replacement of a battery, see "Intelligent Key battery" (P.8-15).

HAZARD INDICATOR AND OUTSIDE CHIME OPERATION

When you lock or unlock the doors or the back door with the request switch or the remote keyless entry function, the hazard indicator will flash and the outside chime will sound as a confirmation.

The following descriptions show how the hazard indicator and outside chime will activate when locking or unlocking the doors or back door.

Operation	DOOR LOCK	DOOR UNLOCK
Intelligent Key system (using door handle or back door request switch)	HAZARD - **once** OUTSIDE CHIME - **once**	HAZARD - **twice** OUTSIDE CHIME - **twice**
Remote keyless entry system (using 🔒 or 🔓 button)	HAZARD - **once** OUTSIDE CHIME - **once**	HAZARD - **twice** OUTSIDE CHIME - **twice**

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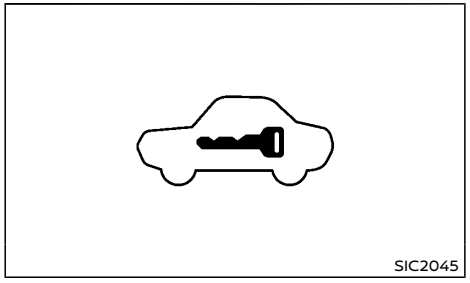
SECURITY SYSTEM

Your vehicle is equipped with NISSAN Anti-Theft System (NATS).

SECURITY INDICATOR LIGHT


SIC2045

The security indicator light is located in the meter panel. It indicates the status of NATS.

This light blinks when the ignition switch is in the "LOCK" or "OFF" position.

The security indicator light indicates that the security systems on the vehicle are operational.

If NATS is malfunctioning, this light will remain on while the ignition switch is in the "ON" position.

If the light remains on and/or the engine does not start, contact a NISSAN dealer for NATS service as soon as possible. Be sure to bring all NATS keys that you have when visiting a NISSAN dealer for service.

NISSAN ANTI-THEFT SYSTEM (NATS)

The NISSAN Anti-Theft System (NATS) will not allow the engine to start without the use of the registered NATS key.

If the engine does not start using the registered NATS key, it may be due to interference caused by:

- Another NATS key.
- Automated toll road device.
- Automated payment device.
- Other devices that transmit similar signals.

Start the engine using the following procedure:

1. Remove any items that may be causing the interference away from the NATS key.
2. Leave the ignition switch in the "ON" position for approximately 5 seconds.
3. Place the ignition switch in the "OFF" position, and wait approximately 5 seconds.
4. Start the engine.
5. Repeat the steps above until all possible interferences are eliminated.

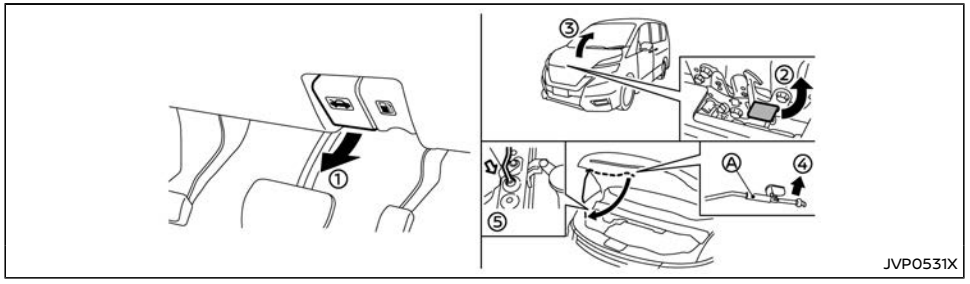
If this procedure allows the engine to start, NISSAN recommends placing the registered NATS key separate from other devices to avoid interference.

HOOD

WARNING:

- **The hood must be closed and latched securely before driving. Failure to do so could cause the hood to fly open and result in an accident.**
- **Never open the hood if steam or smoke is coming from the engine compartment to avoid injury.**

OPENING HOOD



1. Pull the hood lock release handle ①.
2. Locate the lever ② in between the hood and grille and push the lever sideways with your fingertips.
3. Raise the hood ③.
4. Remove the support rod ④ and insert it into the slot ⑤.

Hold the coated part Ⓐ when removing or resetting the support rod. Avoid direct contact with the metal parts, as they may be hot immediately after the engine has been stopped.

CLOSING HOOD

1. Return the support rod to its original position.
2. Slowly lower the hood to about 20 to 30 cm (8 to 12 in) above the fender, then let it drop.
3. Make sure it is securely latched.

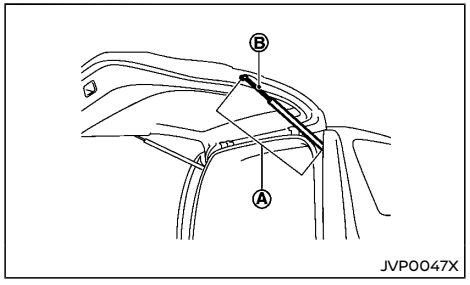
BACK DOOR

WARNING:

The back door must be closed securely before driving. An open back door could allow dangerous exhaust gases to be drawn inside the vehicle.

CAUTION:

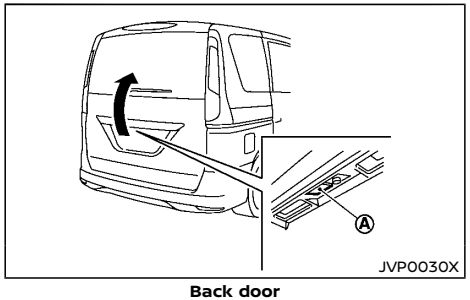
- **Before opening the back door, be sure to clear away snow, ice or dust that may be stuck to the back door. If the back door is opened while materials are still stuck to it, it may suddenly close again due to the weight of these materials.**
- **Always be sure to fully open the back door. If it is not fully opened, it may suddenly shut.**
- **Be especially careful when opening the back door in strong wind. The door could be caught by a gust of wind and may close suddenly.**



CAUTION:

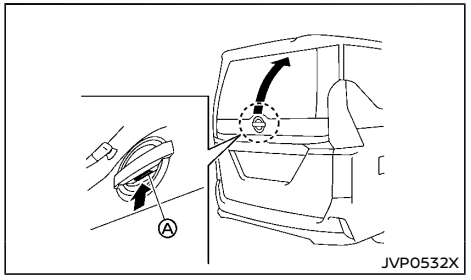
- **The back door gas stays Ⓐ are installed in order to support the weight of the back door. In order to prevent the gas stays being damaged or not operating properly, be sure to observe the following points.**
  - **— Do not insert hands or cords into the gas stays Ⓐ or apply any force to them laterally.**
  - **— Do not attach any adhesive foreign materials such as pieces of plastic or stickers to the rod Ⓑ portion.**
- **Do not close the back door while holding the gas stays or hang anything on them. Doing so may lead to hands or arms becoming trapped in the back door and could result in an injury.**

OPENING BACK DOOR



Back door

To open the back door, push the back door opener switch Ⓐ to unlock the door, and then push the switch again to open it.



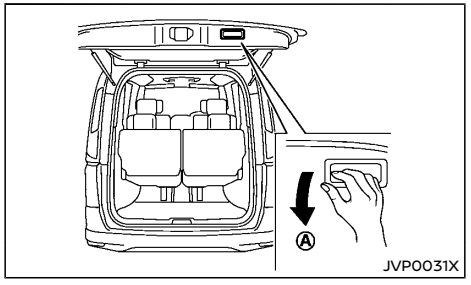
Half back door

To open the half back door, carry the Intelligent Key and push the back door opener switch Ⓐ.

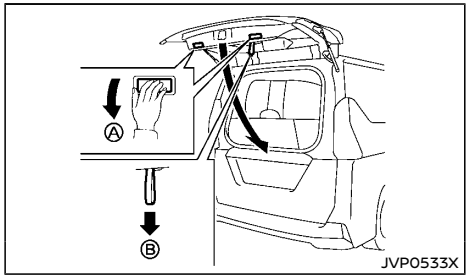
NOTE:

The back door can be opened/closed even when the half back door is opened.

CLOSING BACK DOOR



Back door



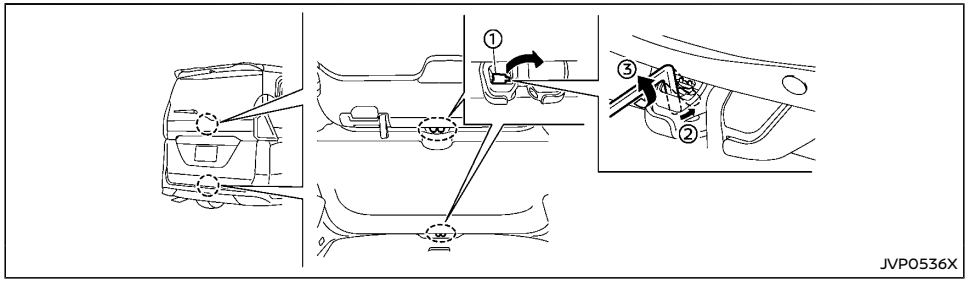
Half back door

WARNING:

- **Do not shut the back door with one hand and the other hand remaining on the back door or vehicle body. Doing so may lead to your hand becoming trapped and could result in an injury.**
- **When closing the back door, do not place your hands near the edge of the back door. Always be sure to close the back door from the outside.**
- **After closing the back door, be sure to check that it has been closed securely. If the back door opens while the vehicle is being driven, this could result in a serious accident.**

To close the back door, hold the door grip Ⓐ or belt Ⓑ to pull down the door and then push it down securely.

SECONDARY BACK DOOR RELEASE



The secondary back door release mechanism allows the back door to be opened in the event of a discharged battery, etc.

1. Open the cover ① on the back door or the half back door.
2. Push the lever ② up to open the back door with a suitable tool ③ as illustrated.

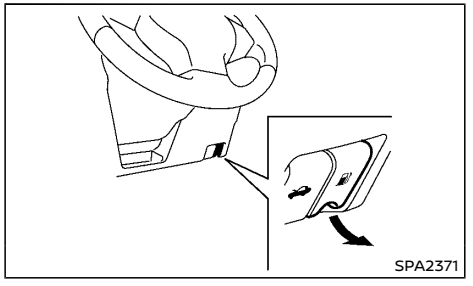
If you had to open the back door in the above procedure, have your vehicle checked by a NISSAN dealer as soon as possible.

FUEL-FILLER LID

WARNING:

- **Fuel is extremely flammable and highly explosive under certain conditions. You could be burned or seriously injured if it is misused or mishandled. Always stop the engine and do not smoke or allow open flames or sparks near the vehicle when refueling.**
- **Close the sliding door when opening/ closing the fuel-filler lid.**

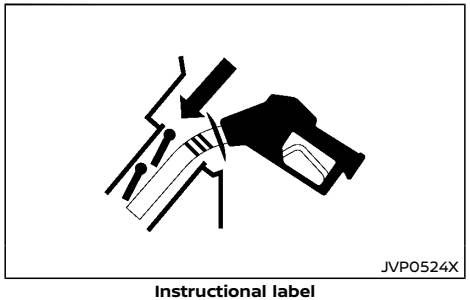
OPENING FUEL-FILLER LID



To open the fuel-filler lid, pull the fuel-filler lid release handle.

[Edit: 2017/ 3/ 30 Model: C27-A]

How to refuel



Instructional label

Be sure to insert the fueling nozzle slowly into the fuel-filler opening as far as it will go before fueling.

Never move the nozzle during refueling.

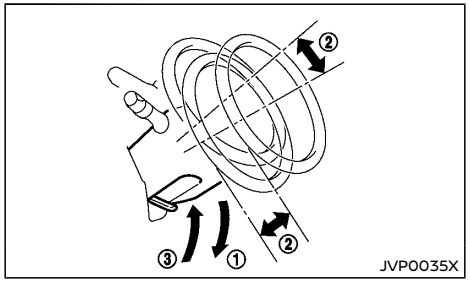
Pull off the nozzle approximately 5 seconds after the fueling nozzle shuts off automatically (initial shut-off).

Close the fuel-filler lid after refueling.

CAUTION:

- **Do not attempt to top off the fuel tank after the fueling nozzle shuts off automatically.**
- **Do not attempt to open the flaps on the fuel-filler opening using any tool other than the fueling nozzle.**
- **Be sure to close the fuel-filler lid before using an automatic car wash or a high pressure car wash.**
- **If fuel is spilled on the vehicle body, flush it away with water to avoid paint damage.**

STEERING WHEEL



WARNING:

Never adjust the steering wheel while driving so that full attention may be given to vehicle operation.

While pulling the lock lever down ①, adjust the steering wheel up, down, forward or backward ② until the preferred position is obtained.

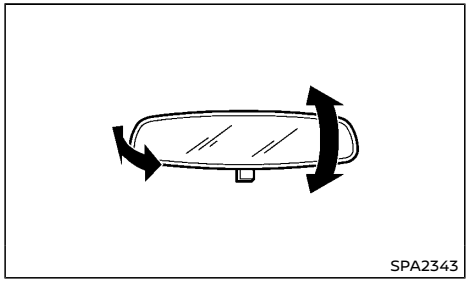
Push the lock lever up ③ firmly to lock the steering wheel in place.

MIRRORS

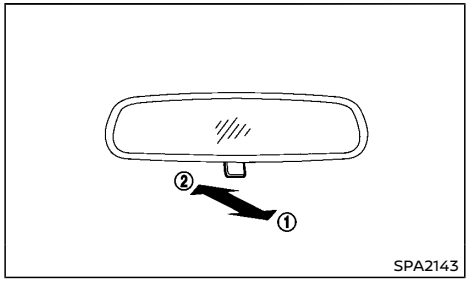
WARNING:

Adjust the position of all mirrors before driving. Do not adjust the mirror positions while driving so that full attention may be given to vehicle operation.

INSIDE REARVIEW MIRROR



While holding the inside rearview mirror, adjust the mirror angles until the desired position is achieved.



Pull the adjusting lever ① when the glare from the headlights of the vehicle behind you obstructs your vision at night.

Push the adjusting lever ② during the day for the best rearward visibility.

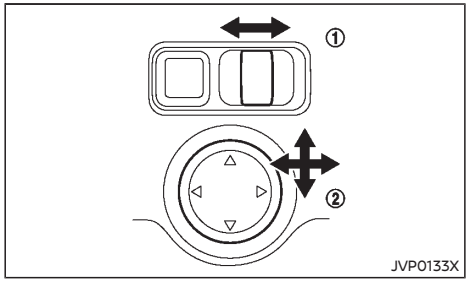
Do not attach any accessories or electrical devices to or around the inside rearview mirror. Otherwise the Intelligent Key system may not function properly.

OUTSIDE REARVIEW MIRRORS

WARNING:

- **Never touch the outside rearview mirrors while they are in motion. Doing so may pinch your fingers or damage the mirror.**
- **Never drive the vehicle with the outside rearview mirrors folded. This reduces rear view visibility and may lead to an accident.**
- **Objects viewed in the outside mirror are closer than they appear.**
- **The picture dimensions and distance in the outside mirrors are not real.**

Adjusting



The outside rearview mirror remote control operates when the power switch is in the "ACC" or "ON" position.

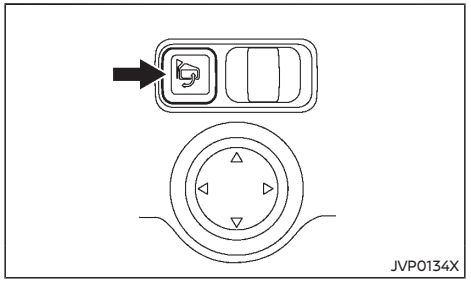
1. Turn the switch to select the left or right mirror ①.
2. Adjust each mirror by pushing the switch until the desired position is achieved ②.

Defogging

The outside rearview mirrors will be heated when the rear window defogger switch is operated.

Folding

Remote control type:



The outside rearview mirror remote control operates when the power switch is in the "ACC" or "ON" position.

The outside rearview mirrors automatically fold when the outside rearview mirror folding switch is pushed in. To unfold, push to the switch again.

CAUTION:

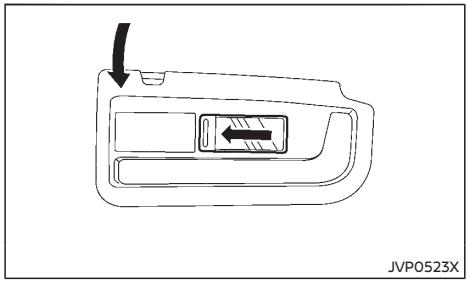
Continuously performing the fold/unfold operation of the outside rearview mirror may cause the switch to stop the operation.

Automatic fold:

The outside rearview mirrors automatically fold when the doors are locked with the Intelligent Key or the request switch. The mirrors unfold when the doors are unlocked and the power switch is placed in the "ON" position. For information about disabling the automatic fold function, see "Vehicle Settings" (P.2-15).

When the outside rearview mirror folding switch is pushed in, the automatic fold function does not operate.

VANITY MIRROR

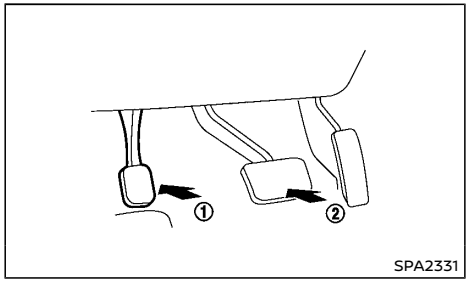


To use the front vanity mirror, pull down the sun visor and slide the cover as illustrated.

PARKING BRAKE

WARNING:

- **Never drive the vehicle with the parking brake applied. The brake will overheat and fail to operate and will lead to an accident.**
- **Never release the parking brake from outside the vehicle. If the vehicle moves, it will be impossible to push the foot brake pedal and will lead to an accident.**
- **Never use the shift lever in place of the parking brake. When parking, be sure the parking brake is fully applied.**
- **To help avoid risk of injury or death through unintended operation of the vehicle and/or its systems, do not leave children, people who require the assistance of others or pets unattended in your vehicle. Additionally, the temperature inside a closed vehicle on a warm day can quickly become high enough to cause a significant risk of injury or death to people and pets.**



To apply the parking brake, firmly depress the parking brake pedal ①.

To release the parking brake, depress and hold the foot brake ② and then fully depress and release the parking brake pedal ①.

Before driving, be sure that the brake warning light has turned off.

MEMO

4 Monitor, heater and air conditioner, and audio system

SAFETY PRECAUTIONS

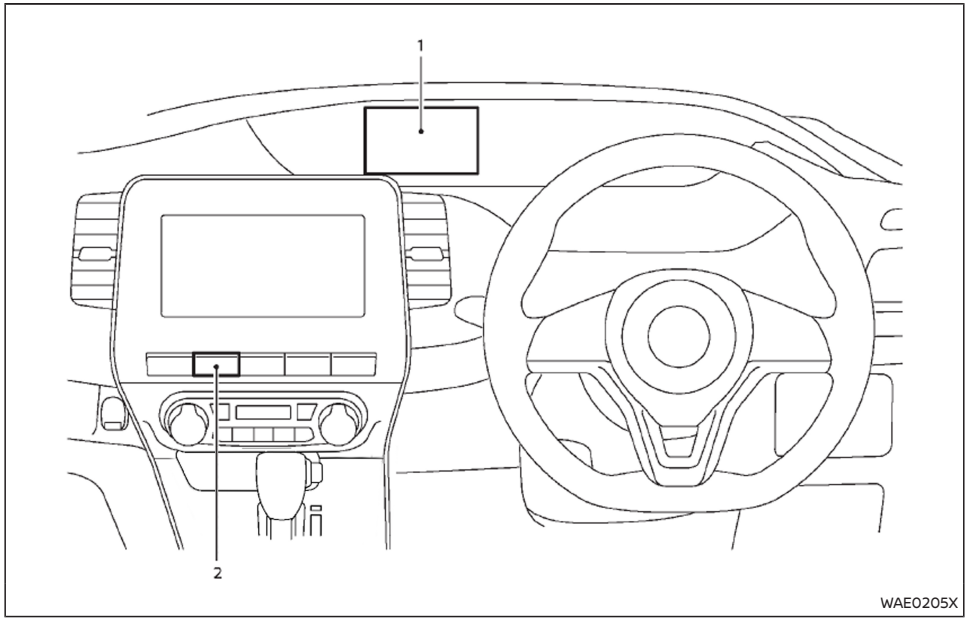
WARNING:

- **Do not adjust the heater and air conditioner controls or audio controls (if equipped) while driving so that full attention may be given to vehicle operation.**
- **If you noticed any foreign objects entering the system hardware, spilled liquid on the system, or noticed smoke or fumes coming out from the system, or any other unusual operation is observed, stop using the system immediately and contact the nearest NISSAN dealer. Ignoring such conditions may lead to an accident, fire or electric shock.**
- **Do not disassemble or modify this system. If you do, it may lead to an accident, fire, or electric shock.**

CAUTION:

Do not use the system when the engine is not running for extended periods of time to prevent battery discharge.

INTELLIGENT AROUND VIEW MONITOR



1. Vehicle information display
2. CAMERA button

WARNING:

Failure to follow the warnings and instructions for the proper use of the Intelligent Around View Monitor system could result in serious injury or death.

- **The Intelligent Around View Monitor is a convenient feature but it is not a substitute for proper vehicle operation because it has areas where objects cannot be viewed. The four corners of the vehicle in particular, are areas where objects do not always appear in the bird's-eye, front, or rear views. Always check your surroundings to be sure that it is safe to move before operating the vehicle. Always operate the vehicle slowly. Always look out the windows and check mirrors to be sure that it is safe to move.**

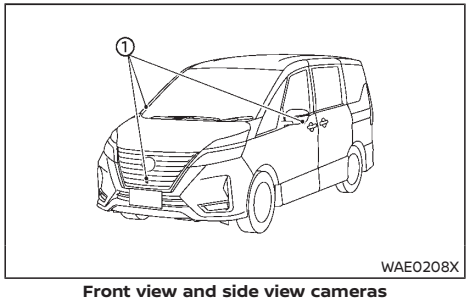
[Edit: 2017/ 3/ 30 Model: C27-A]

. **The driver is always responsible for safety during parking and other maneuvers.**

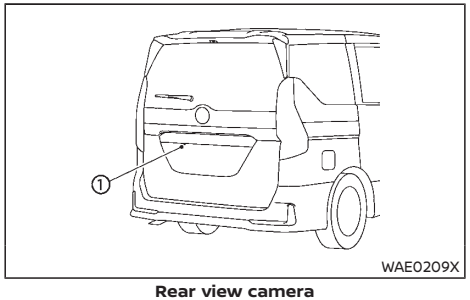
CAUTION:

Do not scratch the lens when cleaning dirt or snow from the front of the camera.

The Intelligent Around View Monitor system supports the driver in parking maneuvers such as slot parking or parallel parking by displaying an image as if the vehicle is viewed from above.



Front view and side view cameras



Rear view camera

To display the multiple views, the Intelligent Around View Monitor system uses cameras ① located in the front grill, on the vehicle's outside mirrors and one just above the vehicle's license plate.

INTELLIGENT AROUND VIEW MONITOR SYSTEM OPERATION

The Intelligent Around View Monitor is displayed on the vehicle information display.

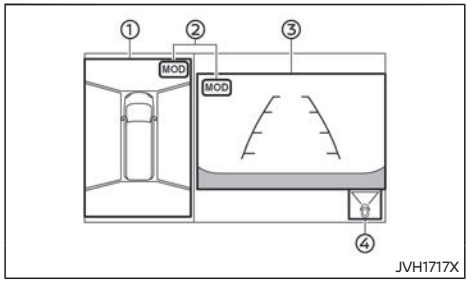
With the ignition switch in the "ON" position, move the shift lever to the "R" (Reverse) position or push the CAMERA button to operate the Intelligent Around View Monitor.

The screen displayed on the Intelligent Around View Monitor will automatically return to the previous screen 3 minutes after the CAMERA button has been pushed with the shift lever in a position other than the "R" (Reverse) position.

Models with camera aiding parking sensor (sonar) function:

When the camera is first activated with the bird's-eye view in the display, a red icon will flash on the screen. This indicates that the parking sensor (sonar) system is activated. The gray icon will flash when the parking sensor (sonar) system is turned off. For additional information on the parking sensor (sonar) system, see "Camera aiding parking sensor (sonar) function" (P.4-11).

How to see the screen



① Left side of the screen

The bird's-eye view or front-side view is displayed.

② MOD (Moving Object Detection) icon

See "MOD system operation" (P.4-13).

③ Right side of the screen

The rear view will be displayed when the shift lever is in the "R" position. When the shift lever is not in the "R" position, the front view of the vehicle is displayed.

④ Direction indicator icon

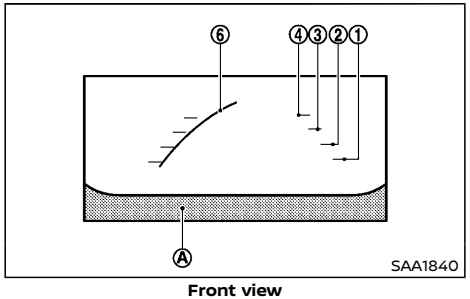
Indicates the direction of the view (front or rear) displayed on the right side of the screen.

- : Front view
- : Rear view

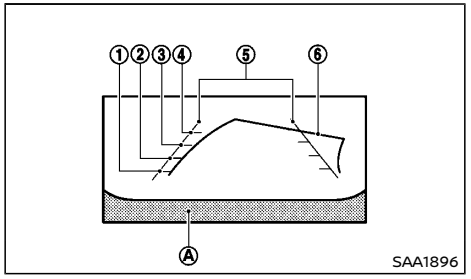
mirrors.

- **Use the mirrors or actually look to properly judge distances to other objects.**
- **The distance between objects viewed in the rear view differs from actual distance because a wide-angle lens is used.**
- **On a snow-covered or slippery road, there may be a difference between the predictive course line and the actual course line.**
- **The vehicle width and predictive course lines are wider than the actual width and course.**
- **The displayed lines on the rear view will appear slightly off to the right because the rear view camera is not installed in the rear center of the vehicle.**

Front and rear view:



Front view



Rear view

Guiding lines that indicate the approximate vehicle width and distances to objects with reference to the vehicle body line Ⓐ, are displayed on the monitor.

Distance guide lines:

Indicate distances from the vehicle body.

- Red line ①: approx. 0.5 m (1.5 ft)
- Yellow line ②: approx. 1 m (3 ft)
- Green line ③: approx. 2 m (7 ft)
- Green line ④: approx. 3 m (10 ft)

Vehicle width guide lines ⑤:

Indicate the vehicle width when backing up.

Predictive course lines ⑥:

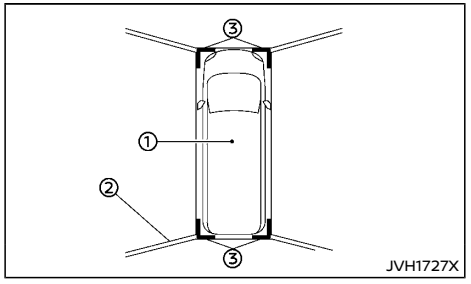
Indicate the predictive course when operating the vehicle. The predictive course lines will be displayed on the monitor when the steering wheel is turned. The predictive course lines will move depending on how much the steering wheel is turned. The predictive course lines in the rear view will not be displayed while the steering wheel is in the straight ahead position.

The front view will not be displayed when the vehicle speed is above 10 km/h (6 MPH).

NOTE:

When the monitor displays the front view and the steering wheel turns about 90 degrees or less from the straight ahead position, both the right and left predictive course lines ⑥ are displayed. When the steering wheel turns about 90 degrees or more, a line is displayed only on the opposite side of the turn.

Bird's-eye view:



The bird's-eye view shows the overhead view of the vehicle which helps confirm the vehicle position and the predictive course to a parking space.

The vehicle icon ① shows the position of the vehicle. Note that the distance between objects viewed in the bird's-eye view differs from the actual distance.

The areas that the cameras cannot cover ② are indicated in black.

After the ignition switch is placed in the "ON" position, the non-viewable area ② is highlighted in yellow for 3 seconds after the bird's-eye view is displayed.

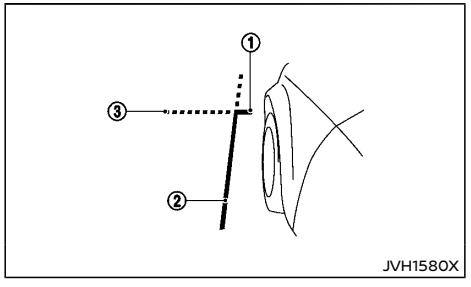
In addition, the non-viewable corners ③ are displayed in red to remind the driver to be cautious.

After the ignition switch is placed in the "ON" position, the non-viewable corners ③ will blink for 3 seconds after the bird's-eye view is displayed.

WARNING:

- **Objects in the bird's-eye view will appear farther than the actual distance because the bird's-eye view is a pseudo view that is processed by combining the views from the cameras on the outside mirrors, the front and the rear of the vehicle.**
- **Tall objects, such as a curb or vehicle, may be misaligned or not displayed at the seam of the views.**
- **Objects that are above the camera cannot be displayed.**
- **The view for the bird's-eye view may be misaligned when the camera position alters.**
- **A line on the ground may be misaligned and is not seen as being straight at the seam of the views. The misalignment will increase as the line proceeds away from the vehicle.**

Front-side view:



The front-side view is the view from near the front tire on the left side of the vehicle and is displayed on the left side of the screen. The view is useful when the driver needs to park the vehicle on the side of a street.

Guiding lines:

Guiding lines that indicate the width and the front end of the vehicle are displayed on the monitor.

The front-of-vehicle line ① shows the front part of the vehicle.

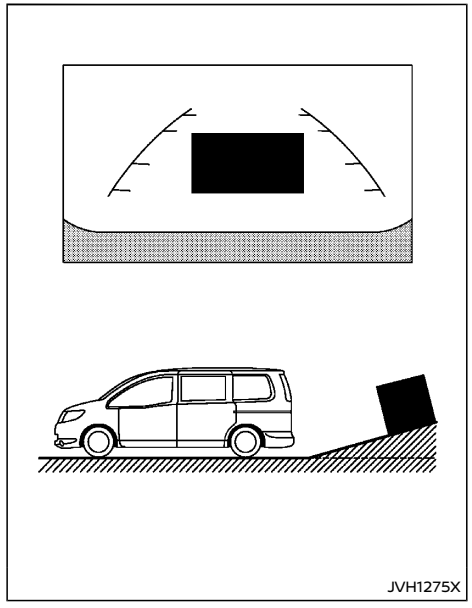
The side-of-vehicle line ② shows the vehicle width including the outside mirrors.

The extensions ③ of both the front ① and side ② lines are shown with a green dotted line.

DIFFERENCE BETWEEN PREDICTIVE AND ACTUAL DISTANCES

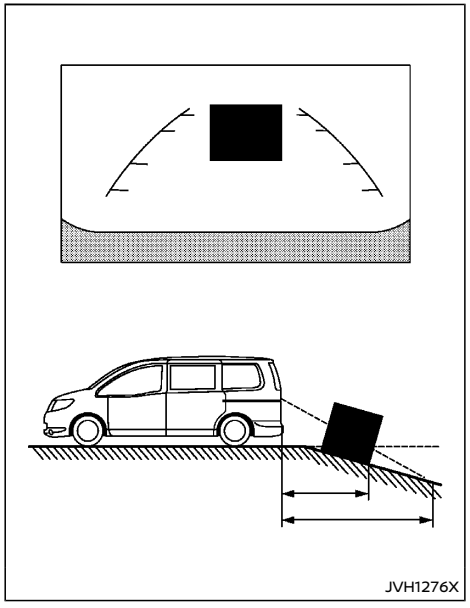
The displayed guide lines and their locations on the ground are for approximate reference only. Objects on uphill or downhill surfaces or projecting objects will be actually located at distances different from those displayed in the monitor relative to the guide lines (refer to illustrations). When in doubt, turn around and view the objects as you are backing up, or park and exit the vehicle to view the positioning of objects behind the vehicle.

Backing up on a steep uphill



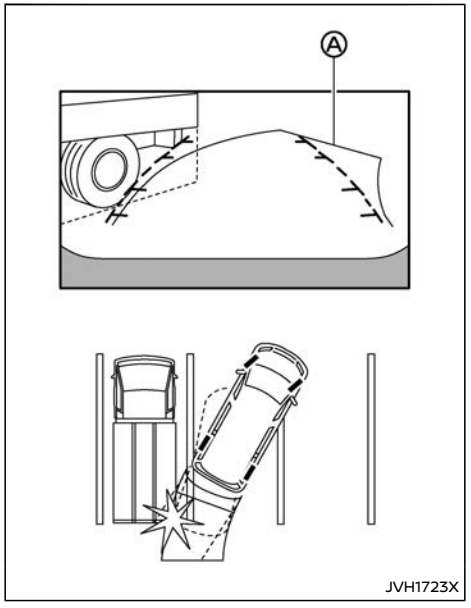
When backing up the vehicle up a hill, the distance guide lines and the vehicle width guide lines are shown closer than the actual distance. Note that any object on the hill is farther than it appears on the monitor.

Backing up on a steep downhill

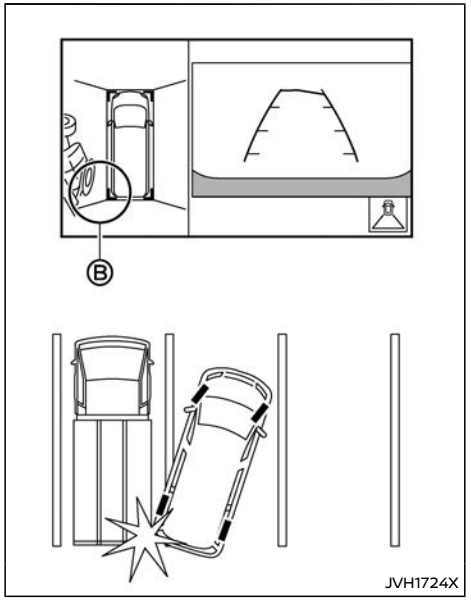


When backing up the vehicle down a hill, the distance guide lines and the vehicle width guide lines are shown farther than the actual distance. Note that any object on the hill is closer than it appears on the monitor.

Backing up near a projecting object



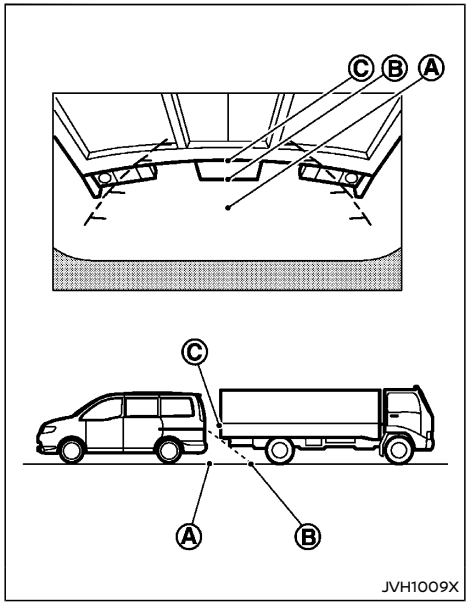
The predictive course lines Ⓐ do not touch the object in the display. However, the vehicle may hit the object if it projects over the actual backing up course.



At the position Ⓑ in the bird's-eye view, there seems to be a small distance between the vehicle and the object. However, the actual distance is shorter than the one displayed in the view. The vehicle may hit the object when backing up to the position.

[Edit: 2017/ 3/ 30 Model: C27-A]

Backing up behind a projecting object

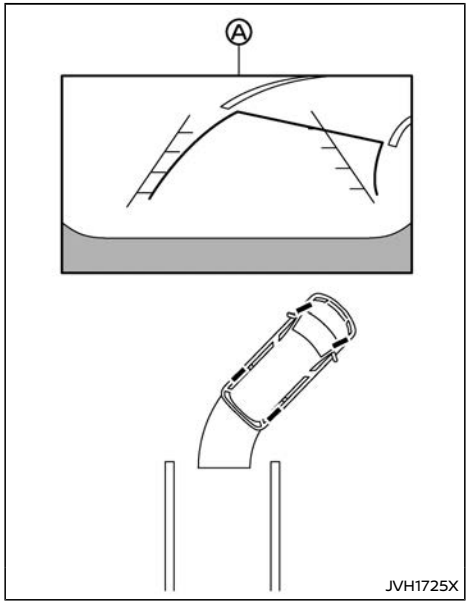


The position Ⓒ is shown farther than the position Ⓑ in the display. However, the position Ⓒ is actually at the same distance as the position Ⓐ. The vehicle may hit the object when backing up to the position Ⓐ if the object projects over the actual backing up course.

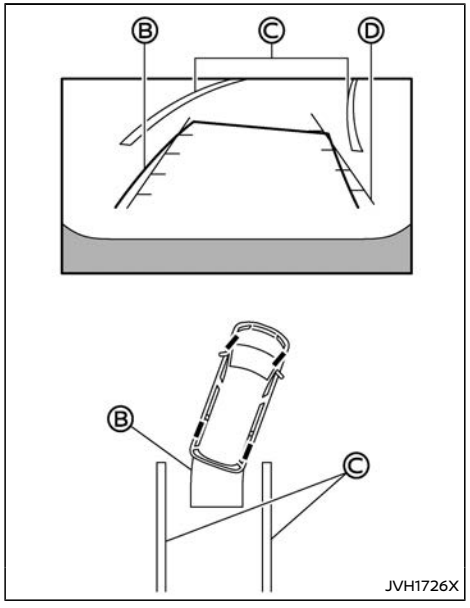
HOW TO PARK WITH PREDICTIVE COURSE LINES

WARNING:

- **If the tires are replaced with different sized tires, the predictive course lines may be displayed incorrectly.**
- **On a snow-covered or slippery road, there may be a difference between the predictive course line and the actual course line.**

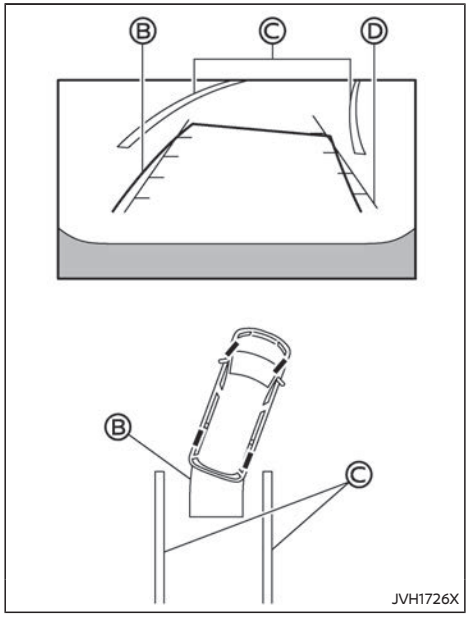


1. Visually check that the parking space is safe before parking your vehicle.
2. The rear view of the vehicle is displayed on the screen Ⓐ when the shift lever is moved to the "R" (Reverse) position.



3. Slowly back up the vehicle adjusting the steering wheel so that the predictive course lines Ⓑ enter the parking space Ⓒ.
4. Maneuver the steering wheel to make the vehicle width guide lines Ⓓ parallel to the parking space Ⓒ while referring to the predictive course lines.

1. Visually check that the parking space is safe before parking your vehicle.
2. The rear view of the vehicle is displayed on the screen Ⓐ when the shift lever is moved to the "R" (Reverse) position.



3. Slowly back up the vehicle adjusting the steering wheel so that the predictive course lines Ⓑ enter the parking space Ⓒ.
4. Maneuver the steering wheel to make the vehicle width guide lines Ⓓ parallel to the parking space Ⓒ while referring to the predictive course lines.
5. When the vehicle is parked in the space completely, move the shift lever to the "P" (Park) position and apply the parking brake.

HOW TO SWITCH THE DISPLAY

With the ignition switch in the "ON" position, push the CAMERA button or move the shift lever to the "R" (Reverse) position to operate the Intelligent Around View Monitor.

Push the CAMERA button to switch between the available views. The Intelligent Around View Monitor displays various views depending on the position of the shift lever.

If the shift lever is in the "R" (Reverse) position, the available views are:

. Bird's-eye view/rear view split screen
. Front-side view/rear view split screen

If the shift lever is out of the "R" (Reverse) position, the available views are:

. Bird's-eye view/front view split screen
. Front-side view/front view split screen

The display will switch from the Intelligent Around View Monitor screen when:

. The shift lever is in the "D" (Drive) position and the vehicle speed increases above approximately 10 km/h (6 MPH).
. A different screen is selected (when the shift lever is not in the "R" (Reverse) position).

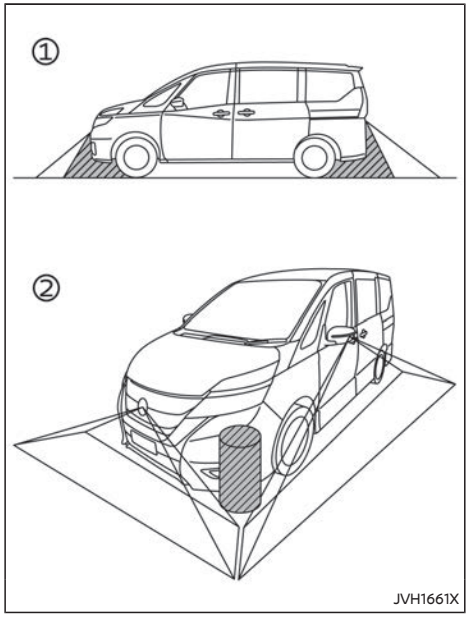
Even when the vehicle is in motion at speeds above 10 km/h (6 MPH), front-side view/front view split screen can be displayed by pushing the CAMERA button. The bird's-eye view/front view split screen is not available in this condition.

HOW TO ADJUST SCREEN

The brightness of the vehicle information display can be adjusted.

For details, see "Instrument brightness control" (P.2-7).

INTELLIGENT AROUND VIEW MONITOR SYSTEM LIMITATIONS

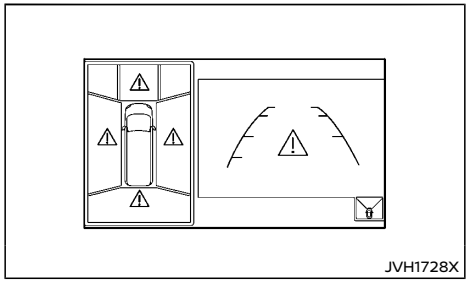


monitor ②.

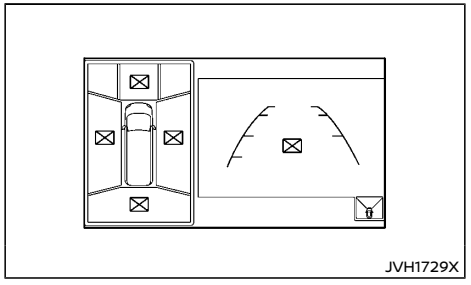
The following are operating limitations and do not represent a system malfunction:

- The distance between objects viewed on the Around View Monitor differs from the actual distance and displayed items may appear distorted due to the feature of the camera lens.
- The image may be displayed with some distortion until the Around View Monitor is displayed completely after activating the system.
- There may be a delay when switching between views.
- When the temperature is extremely high or low, the screen may not display objects clearly.
- When strong light is directly shines on the camera, objects may not be displayed clearly.
- The screen may flicker under fluorescent light.
- The colors of objects on the Around View Monitor may differ somewhat from the actual color of objects.
- Objects on the monitor may not be clear and the color of the object may differ in a dark environment.
- There may be differences in sharpness between each camera view of the bird's-eye view.
- Do not use wax on the camera lens. Wipe off any wax with a clean cloth that has been dampened with a diluted mild cleaning agent, then wipe with a dry cloth.

System temporarily unavailable

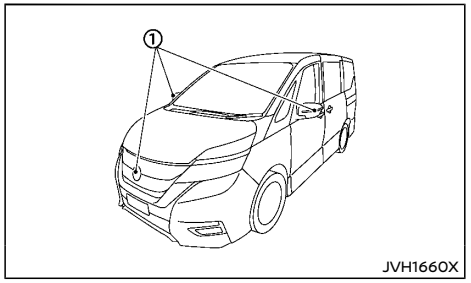


When the " ⚠ " icon is displayed on the screen, there are abnormal conditions in the Around View Monitor. This will not hinder normal driving operation but the system should be inspected by a NISSAN dealer.

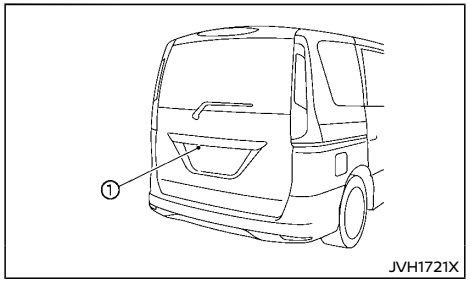


When the " ⊠ " icon is displayed on the screen, the camera image may be receiving temporary electronic disturbances from surrounding devices. This will not hinder normal driving operation but the system should be inspected by a NISSAN dealer if it occurs frequently.

SYSTEM MAINTENANCE



Front view and side view cameras



Rear view camera

CAUTION:

- **Do not use alcohol, benzine or thinner to clean the camera. This will cause discoloration.**
- **Do not damage the camera as the monitor screen may be adversely affected.**

If dirt, rain or snow accumulates on any of the cameras ①, the Around View Monitor may not display objects clearly. Clean the camera by wiping with a cloth dampened with a diluted

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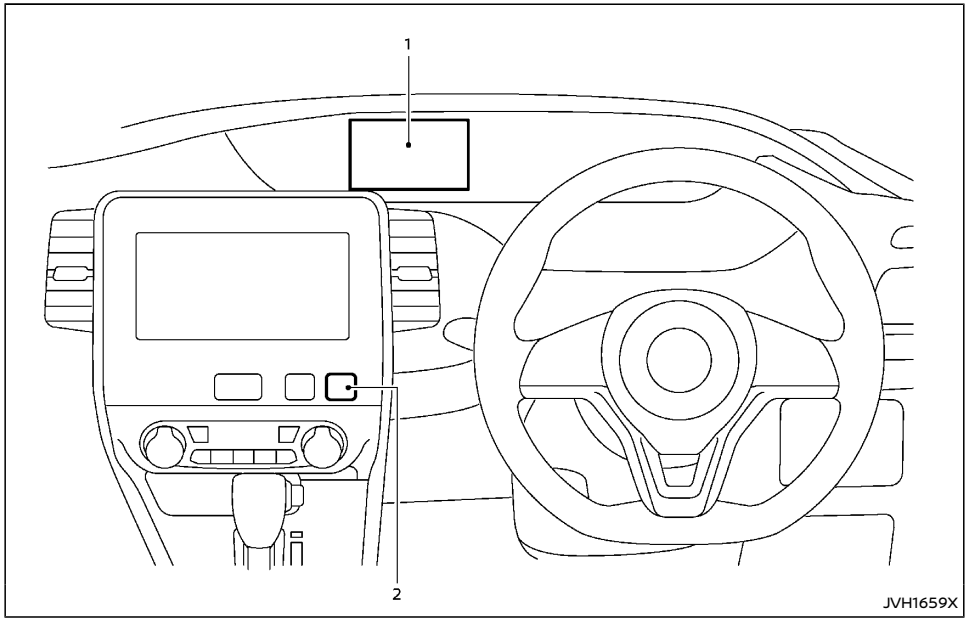
mild cleaning agent and then wiping with a dry cloth.

MOVING OBJECT DETECTION (MOD) (if equipped)



1. Vehicle information display
2. CAMERA button

WARNING:

Failure to follow the warnings and instructions for proper use of the Moving Object Detection (MOD) system could result in serious injury or death.

- **The MOD system is not a substitute for proper vehicle operation and is not designed to prevent contact with the objects surrounding the vehicle. When maneuvering, always use the outside mirror and rearview mirror and turn and check the surrounding to ensure it is safe to maneuver.**
- **The system is deactivated at speeds above 8 km/h (5 MPH). It is reactivated at lower speeds.**
- **The MOD system is not designed to detect the surrounding stationary objects.**

The Moving Object Detection (MOD) system can inform the driver of the moving objects surrounding the vehicle when driving out of garages, maneuvering into parking lots and in other such instances.

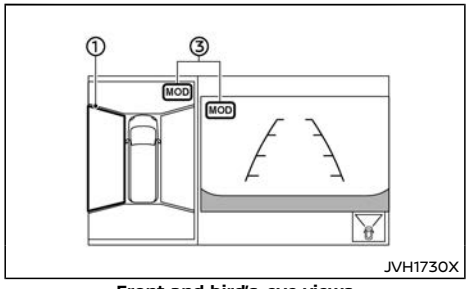
The MOD system detects moving objects by using image processing technology on the image shown on the display.

MOD SYSTEM OPERATION

The MOD system will turn on automatically under the following conditions:

- When the shift lever is in the "R" (Reverse) position.
- When vehicle speed decreases below approximately 8 km/h (5 MPH) and the camera screen is displayed.

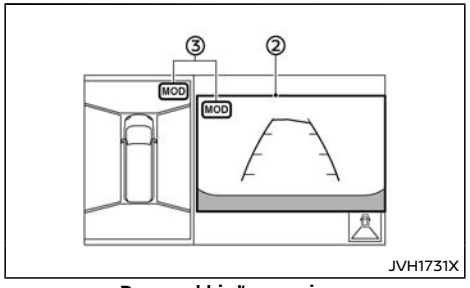
When the MOD system turns on, the MOD icon is displayed.



Front and bird's-eye views

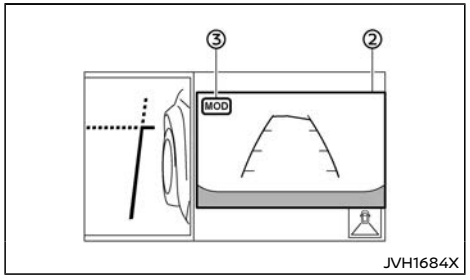
The MOD system operates in the following conditions when the camera screen is displayed:

- When the shift lever is in the "P" (Park) or "N" (Neutral) position and the vehicle is stopped, the MOD system detects moving objects in the bird's-eye view. The MOD system will not operate if the doors are open. When the MOD system is operating on the bird's-eye view, the system may not detect moving objects properly while the outside mirrors are folding or unfolding automatically.
- When the shift lever is in the "D" (Drive) position and the vehicle speed is below approximately 8 km/h (5 MPH), the MOD system detects moving objects in the front view.



Rear and bird's-eye views

- When the shift lever is in the "R" (Reverse) position and the vehicle speed is below approximately 8 km/h (5 MPH), the MOD system detects moving objects in the rear view. The MOD system will not operate if the back door is open.



Rear and front-side views

The MOD system does not detect moving objects in the front-side view. The MOD icon is not displayed on the screen when in this view.

When the MOD system detects moving objects near the vehicle, a chime will be heard and a yellow frame will be displayed on the view where the objects are detected. While the MOD system continues to detect moving objects, the yellow frame continues to be displayed.

In the bird's-eye view, the yellow frame ① is displayed on each camera image (front, rear, right, left) depending on where moving objects are detected.

The yellow frame ② is displayed on each view in the front view and rear view modes.

A blue MOD icon ③ is displayed in the view where the MOD system is operative. A white MOD icon ③ is displayed in the view where the MOD system is not operative.

If the MOD system is turned off, the MOD icon ③ is not displayed.

TURNING MOD SYSTEM ON AND OFF

The MOD system can be turned on and off.

See "Driver Assistance" (P.2-13) for details.

MOD SYSTEM LIMITATIONS

WARNING:

Listed below are the system limitations for MOD. Failure to operate the vehicle in accordance with these system limitations could result in serious injury or death.

- **Excessive noise (for example, audio system volume or open vehicle window) will interfere with the chime sound, and it may not be heard.**
- **The MOD system performance will be limited according to environmental conditions and surrounding objects such as:**
  - **— When there is low contrast between background and the moving objects.**
  - **— When there is blinking source of light.**
  - **— When strong light such as another vehicle's headlight or sunlight is present.**
  - **— When camera orientation is not in its usual position, such as when mirror is folded.**
  - **— When there is dirt, water drops or snow on the camera lens.**
  - **— When the position of the moving objects in the display is not changed.**
- **The MOD system might detect flowing water droplets on the camera lens, white smoke from the muffler, moving shadows, etc.**
- **The MOD system may not function properly depending on the speed, direction, distance or shape of the moving objects.**
- **If your vehicle sustains damage to the parts where the camera is installed, leaving it misaligned or bent, the sensing zone may be altered and the MOD system may not detect objects properly.**
- **When the temperature is extremely high or low, the screen may not display objects clearly. This is not a malfunction.**

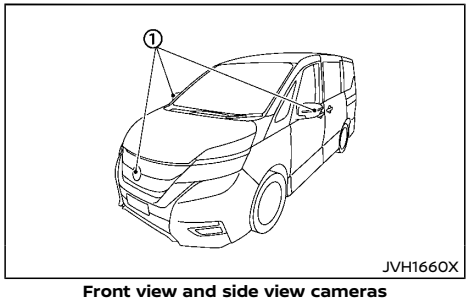
NOTE:

The blue MOD icon will change to orange if one of the following has occurred.

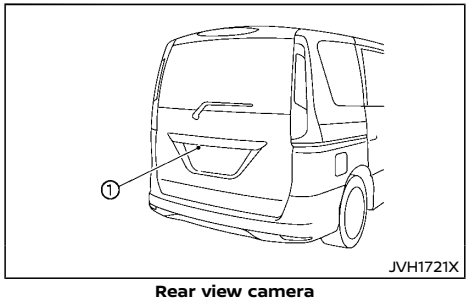
- **When the system is malfunctioning.**
- **When the component temperature reaches a high level (icon will blink).**
- **When the rear view camera has detected a blockage (icon will blink).**

If the icon light continues to illuminate orange, have the MOD system checked. It is recommended that you visit a NISSAN dealer for this service.

SYSTEM MAINTENANCE



Front view and side view cameras



Rear view camera

CAUTION:

- **Do not use alcohol, benzine or thinner to clean the camera. This will cause discoloration.**
- **Do not damage the camera as the monitor screen may be adversely affected.**

If dirt, rain or snow accumulates on any of the cameras ①, the MOD system may not operate properly. Clean the camera by wiping with a cloth dampened with a diluted mild cleaning

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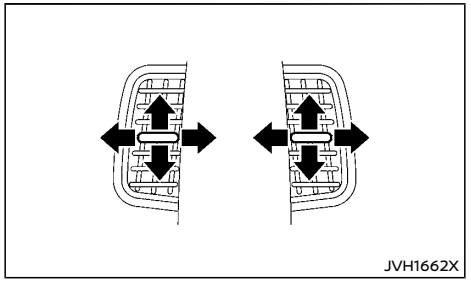
agent and then wiping with a dry cloth.

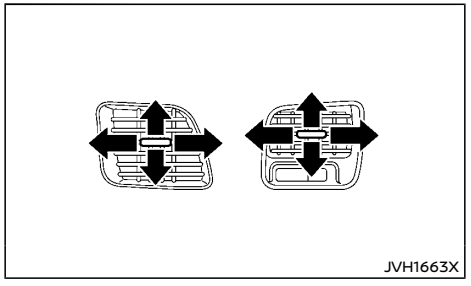
VENTILATORS

CENTER VENTILATORS



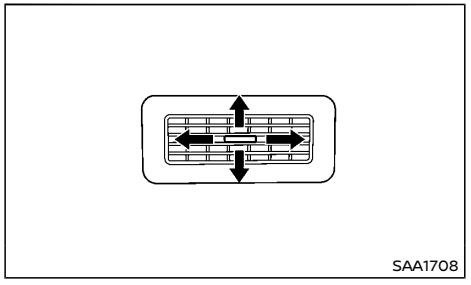
Adjust the air flow direction of the ventilators by moving the center knob (up/down, left/right) until the preferred position is achieved.

SIDE VENTILATORS



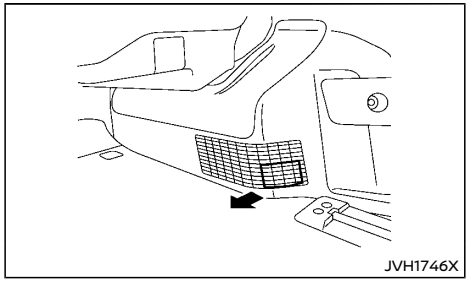
Adjust the air flow direction of the ventilators by moving the center knob (up/down, left/right) until the preferred position is achieved.

REAR SEAT ROOF VENTILATORS



Adjust the air flow direction of the ventilators by moving the center knob (up/down, left/right) until the desired position is achieved.

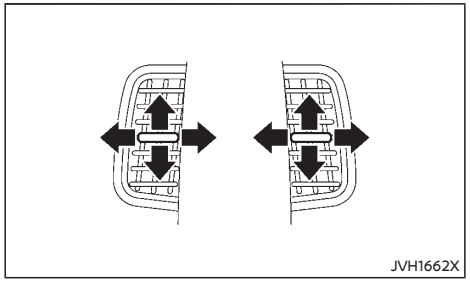
THIRD ROW SEAT FOOT VENTILATOR (if equipped)



The foot ventilator for the rear air conditioning system is located at the lower left side of the third row seat as shown. (See "Rear air conditioning system" (P.4-16).)

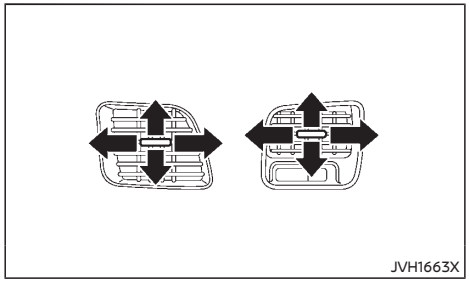
VENTILATORS

CENTER VENTILATORS



Adjust the air flow direction of the ventilators by moving the center knob (up/down, left/right) until the preferred position is achieved.

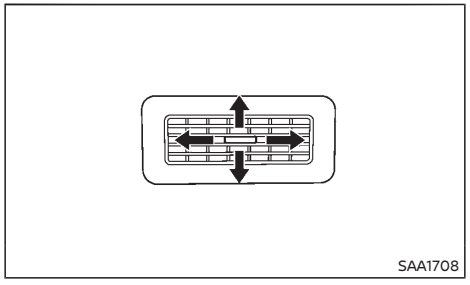
SIDE VENTILATORS



Adjust the air flow direction of the ventilators by moving the center knob (up/down, left/right) until the preferred position is achieved.

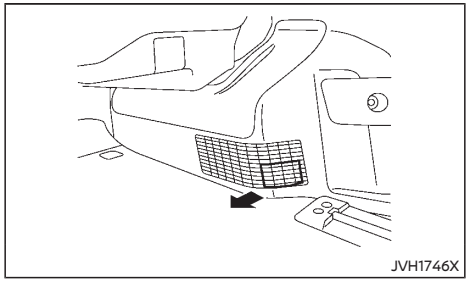
Moving the center knob to the direction toward the outside of the vehicle will close the ventilator.

REAR SEAT ROOF VENTILATORS



Adjust the air flow direction of the ventilators by moving the center knob (up/down, left/right) until the desired position is achieved.

THIRD ROW SEAT FOOT VENTILATOR (if equipped)



The foot ventilator for the rear air conditioning system is located at the lower left side of the third row seat as shown. (See “Rear air conditioning system” (P.4-18).)

HEATER AND AIR CONDITIONER

WARNING:

- **The heater and air conditioner operate only when the engine is running.**
- **Never leave children or adults who would normally require the support of others alone in the vehicle. Pets should not be left alone either. They could unknowingly activate switches or controls and inadvertently become involved in a serious accident and injure themselves. On hot, sunny days, temperatures in a closed vehicle could quickly become high enough to cause severe or possibly fatal injuries to people or animals.**
- **Do not use the recirculation mode for long periods as it may cause the interior air to become stale and the windows to fog up.**
- **Do not adjust the heating and air conditioning controls while driving so that full attention may be given to vehicle operation.**

The heater and air conditioner operate when the engine is running. The air blower will operate even if the engine is turned off and the ignition switch is in the “ON” position.

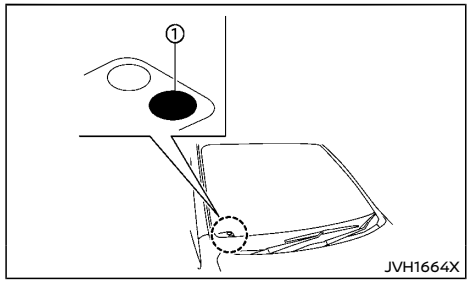
When the engine is stopped by the Idling Stop System, heating, cooling and dehumidifying functions will be deactivated. To avoid the air conditioning functions from being deactivated, turn off the Idling Stop mode by pushing the Idling Stop System OFF switch. For more details, see “Idling Stop System” (P.5-11).

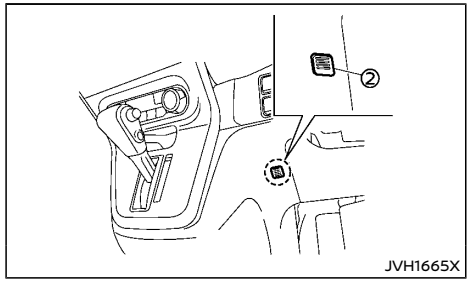
HEATER AND AIR CONDITIONER

NOTE:

- **Odors from inside and outside the vehicle can build up in the air conditioner unit. Odor can enter the passenger compartment through the vents.**
- **When parking, set the heater and air conditioner controls to turn off air recirculation to allow fresh air into the passenger compartment. This should help reduce odors inside the vehicle.**

OPERATING TIPS

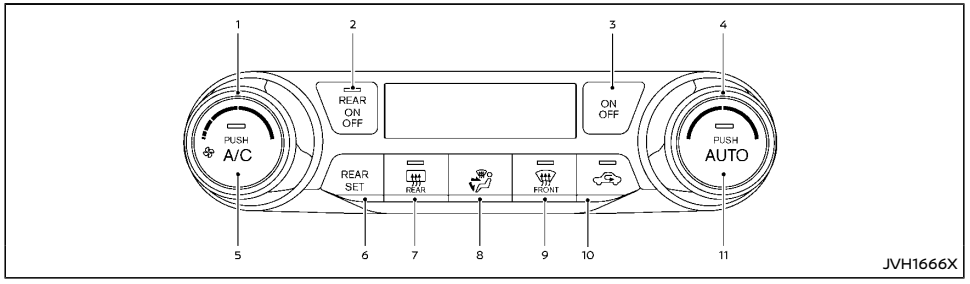




When the engine coolant temperature and outside air temperature are low, the air flow from the foot outlets may not operate immediately. However, this is not a malfunction. After the coolant temperature warms up, the air flow from the foot outlets will operate normally.

The sensors ① and ②, located on the instrument panel, help maintain a constant temperature. Do not put anything on or around the sensors.

AUTOMATIC AIR CONDITIONER (models with rear air conditioning system)



1. Fan speed control " " dial
2. "REAR ON/OFF" button
3. "ON/OFF" button
4. Temperature control dial
5. "A/C" button
6. "REAR SET" button
7. Rear defogger " " button (See "Defogger switch" (P.2-26).)
8. Air flow control button
9. Front defogger " " button
10. Air intake control " " button
11. "AUTO" button

Automatic operation (AUTO)

The AUTO mode may be used year-round as the system automatically controls to a constant temperature, air flow distribution and fan speed.

Cooling and dehumidified heating:

1. Push the "AUTO" button. (The "AUTO" indicator light will iluminate.)
2. If the "A/C" indicator light is not illuminated, push the "A/C" button. (The "A/C" indicator light will illuminate.)
3. Turn the temperature control dial to set the desired temperature.
4. Push the air intake control " " button for approximately 2 seconds. The " " indicator light will flash, and then the air intake will be controlled automatically.

A visible mist may be seen coming from the ventilators in hot, humid conditions as the air is cooled rapidly. This does not indicate a malfunction.

Heating (A/C off):

1. Push the "AUTO" button. (The "AUTO" indicator will illuminate.)
2. If the "A/C" indicator light is illuminated, push the "A/C" button. (The "A/C" indicator light will turn off.)
3. Turn the temperature control dial to set the desired temperature.
4. Push the air intake control " " button for approximately 2 seconds. The " " indicator light will flash, and then the air intake will be controlled automatically.

- Do not set the temperature lower than the outside air temperature. Doing so may prevent the temperature from being controlled properly.
- If the windows fog up, use dehumidified heating instead of A/C off heating.

Dehumidified defrosting/defogging:

1. Push the front defogger " " button. (The " " indicator light will illuminate.)
2. Turn the temperature control dial to set the desired temperature.
   - To quickly remove frost or fog from the outside surface of the windshield, set the temperature using the temperature control dial and set the fan speed using the fan speed control " " dial at their maximum levels.
   - After the windshield is cleared, push the front defogger " " button again.
   - When the front defogger " " button is pushed, the air conditioner will automatically turn on when the outside air temperature is above −2°C (28°F) to defog the windshield. The outside air circulation mode will be selected to improve the defogging performance.

Manual operation

The manual mode can be used to control the heater and air conditioner to your preferred settings.

Fan speed control:

Turn the fan speed control " " dial clockwise to increase the fan speed.

Turn the fan speed control " " dial counterclockwise to decrease the fan speed.

Air flow control:

Push the air flow control button to change the air flow mode.

- — Air flows from the center and side ventilators.
- — Air flows from the center and side ventilators and foot outlets.
- — Air flows mainly from the foot outlets.
- — Air flows from the defogger outlets and foot outlets.

Push the front defogger " " button to defrost/defog the windshield.

Temperature control:

Turn the temperature control dial to set the desired temperature.

Air intake control:

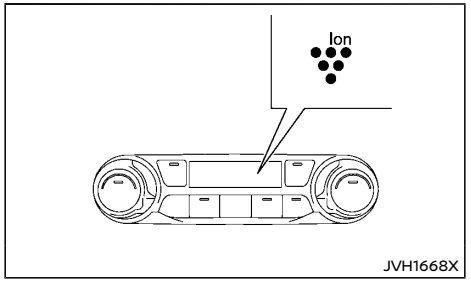
The air intake control mode will change each time the air intake control " " button is pushed.

- When the indicator light is turned on, the air recirculates inside the vehicle.
- When the indicator light is turned off, the air flow is drawn from outside the vehicle.
- To switch to the automatic control mode, push the air intake control " " button for approximately 2 seconds. The " " indicator light will flash, and then the air intake will be controlled automatically.

Turning the system off:

Push the "ON/OFF" button to turn off the heater and air conditioner.

Ion control (if equipped)



This unit generates highly concentrated Plasmacluster ions into the air blown from the ventilators and reduces odor absorbed into the interior trim.

When the air conditioner is turned on, the system generates Plasmacluster ions automatically and an indicator icon illuminates.

Rear air conditioning system

The front air conditioning system must be activated by pushing the "ON/OFF" button to operate the rear air conditioning system. (See "Automatic air conditioner (models with rear air conditioning system)" (P.4-15).)

To control the rear air conditioning system independently with the front air conditioner control panel, push the "REAR ON/OFF" button. When the rear air conditioning system control is on, the indicator light on the "REAR ON/OFF" button will illuminate and "REAR" will appear on the display.

In this state, the rear air conditioning system can be adjusted with the front air conditioner control panel. However, if no operation is conducted for approximately 10 seconds after the "REAR ON/OFF" button is pushed, the front air conditioner control panel will automatically switch to the front air conditioning system control mode. ("REAR" will disappear from the front display.)

To cancel the rear air conditioning system control mode and switch back to the front air conditioning system control mode, push the "REAR SET" button. ("REAR" will disappear from the front display.)

Automatic operation:

1. Push the "REAR SET" button to display "REAR" on the front display when the rear air conditioning system is on.
2. Turn the temperature control dial to set the desired temperature.

Rear Heating (A/C off):

1. Push the "REAR SET" button to display "REAR" on the front display when the rear air conditioning system is on.
2. Switch the air flow mode to by pushing the air flow control button.
3. Turn the temperature control dial to set the desired temperature.
4. Push the "REAR SET" button.
5. If the A/C indicator light is illuminated, push the "A/C" button. (The A/C indicator light will turn off.)

- Do not set the temperature lower than the outside air temperature. Doing so may cause the temperature to not be controlled properly.
- To dehumidify the air, push the "A/C" button before turning on the heater.
- Air does not blow out from the vents on the ceiling when the system is used for heating.

Manual operation:

To operate the rear air conditioning system using the front air conditioner control panel, push the "REAR SET" button when the rear air conditioning system is on. ("REAR" will appear on the front display.)

- **Fan speed control**

  Turn the fan speed control " " dial clockwise to increase the fan speed.

  Turn the fan speed control " " dial counterclockwise to decrease the fan speed.
- **Air flow control**

  Push the air flow control button to change the air flow mode.

  : The air outlet is fixed at foot level.

  : The air outlet is fixed at both the head and foot level.

  : The air outlet is fixed at the head level.

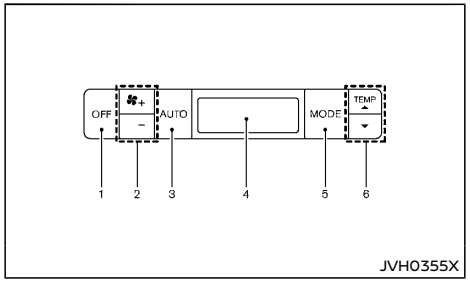
NOTE:

- **Pushing the "A/C" button when the rear air conditioning system is turned on will turn off the rear air conditioning system (except when the air flow is set to the position).**
- **The foot ventilator for the third row seat is located only on the left side. (See "Third row seat foot ventilator" (P.4-13).)**

Turning the system off:

To turn off the rear air conditioner, push the "REAR ON/OFF" button.

Operation with rear control buttons:



Rear control buttons

1. "OFF" button
2. " " Fan speed control buttons
3. "AUTO" button
4. Display
5. "MODE" button
6. "TEMP" buttons

The front air conditioning system must be activated to operate the rear air conditioning system with the rear control buttons.

The rear seat passengers can adjust the rear air conditioning system using the rear control buttons located on the ceiling above the rear seats.

The rear control buttons do not function when "REAR" is shown on the front display. To activate the rear control buttons, push the "REAR SET" button on the front air conditioner control panel and cancel the rear air conditioner control mode. ("REAR" will disappear from the front display.)

"OFF" button: Turns off the rear air conditioning system

" " Fan speed control buttons: Adjusts the rear fan speed

"AUTO" button: Turns on the automatic operation mode

"MODE" button: Changes the rear air flow

"TEMP" buttons: Adjusts the rear temperature

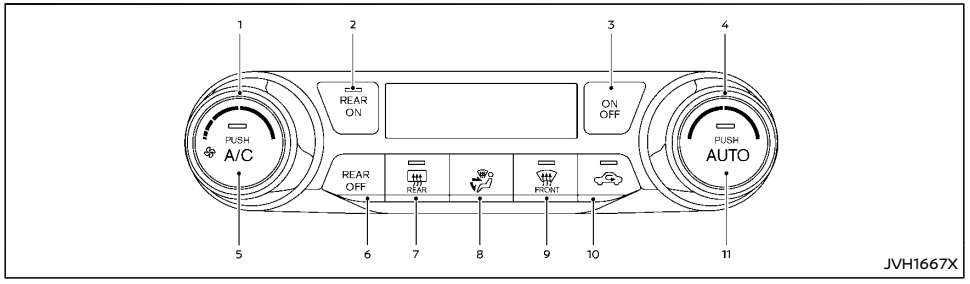
NOTE:

Turning off the rear air conditioner if unnecessary improves the fuel economy.

. When using the heater: No occupants in the third row seats.

. When using the cooler: No occupants in the second and third row seats.

AUTOMATIC AIR CONDITIONER (models with rear cooling system)



1. Fan speed control " " dial
2. "REAR ON" button
3. "ON/OFF" button
4. Temperature control dial
5. "A/C" button
6. "REAR OFF" button
7. Rear defogger " " button (See "Defogger switch" (P.2-26).)
8. Air flow control button
9. Front defogger " " button
10. Air intake control " " button
11. "AUTO" button

Automatic operation (AUTO)

The AUTO mode may be used year-round as the system automatically controls to a constant temperature, air flow distribution and fan speed.

Cooling and dehumidified heating:

1. Push the "AUTO" button. (The "AUTO" indicator light will iluminate.)
2. If the "A/C" indicator light is not illuminated, push the "A/C" button. (The "A/C" indicator light will illuminate.)
3. Turn the temperature control dial to set the desired temperature.
4. Push the air intake control " " button for approximately 2 seconds. The " " indicator light will flash, and then the air intake will be controlled automatically.

A visible mist may be seen coming from the ventilators in hot, humid conditions as the air is cooled rapidly. This does not indicate a malfunction.

Heating (A/C off):

1. Push the "AUTO" button. (The "AUTO" indicator will illuminate.)
2. If the "A/C" indicator light is illuminated, push the "A/C" button. (The "A/C" indicator light will turn off.)
3. Turn the temperature control dial to set the desired temperature.
4. Push the air intake control " " button for approximately 2 seconds. The " " indicator light will flash, and then the air intake will be controlled automatically.

- Do not set the temperature lower than the outside air temperature. Doing so may prevent the temperature from being controlled properly.
- If the windows fog up, use dehumidified heating instead of A/C off heating.

Dehumidified defrosting/defogging:

1. Push the front defogger " " button. (The " " indicator light will illuminate.)
2. Turn the temperature control dial to set the desired temperature.
   - To quickly remove frost or fog from the outside surface of the windshield, set the temperature using the temperature control dial and set the fan speed using the fan speed control " " dial at their maximum levels.
   - After the windshield is cleared, push the front defogger " " button again.
   - When the front defogger " " button is pushed, the air conditioner will automatically turn on when the outside air temperature is above −2°C (28°F) to defog the windshield. The outside air circulation mode will be selected to improve the defogging performance.

Manual operation

The manual mode can be used to control the heater and air conditioner to your preferred settings.

Fan speed control:

Turn the fan speed control " " dial clockwise to increase the fan speed.

Turn the fan speed control " " dial counterclockwise to decrease the fan speed.

Air flow control:

Push the air flow control button to change the air flow mode.

- — Air flows from the center and side ventilators.
- — Air flows from the center and side ventilators and foot outlets.
- — Air flows mainly from the foot outlets.
- — Air flows from the defogger outlets and foot outlets.

Push the front defogger " " button to defrost/defog the windshield.

Temperature control:

Turn the temperature control dial to set the desired temperature.

Air intake control:

The air intake control mode will change each time the air intake control " " button is pushed.

- When the indicator light is turned on, the air recirculates inside the vehicle.
- When the indicator light is turned off, the air flow is drawn from outside the vehicle.
- To switch to the automatic control mode, push the air intake control " " button for approximately 2 seconds. The " " indicator light will flash, and then the air intake will be controlled automatically.

Turning the system off:

Push the "ON/OFF" button to turn off the heater and air conditioner.

Rear cooling system

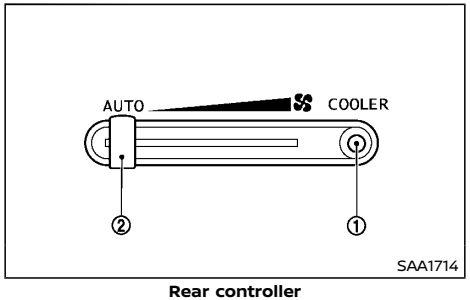
To activate the rear cooler with the front controller:

1. Turn on the front air conditioning system by pushing the "ON/OFF" button. (See "Automatic air conditioner (models with rear cooling system)" (P.4-18).)
2. Push the "REAR ON" button. (The "REAR ON" indicator light will illuminate.)

To turn off the rear cooler, push the "REAR OFF" button.

To turn off the front air conditioner and the rear cooler simultaneously, push the "ON/OFF" button.

Operation with rear controller:



Rear controller

The front air conditioning system must be activated to operate the rear cooler with the rear controller.

Turning on/off the rear cooler:

Push the cooler button ①. The indicator light on the cooler button and "REAR ON" indicator light will illuminate.

Push the cooler button again to turn off the rear cooler.

Fan speed control:

Move the adjusting lever ② to adjust the fan speed.

Move the adjusting lever to the right side to increase the fan speed.

Move the adjusting lever to the left side to decrease the fan speed.

Place the adjusting lever at the "AUTO" position for automatic fan speed control.

SERVICING AIR CONDITIONER

WARNING:

The air conditioner system contains refrigerant under high pressure. To avoid personal injury, any air conditioner service should be done only by an experienced technician with the proper equipment.

The air conditioner system in your vehicle is charged with a refrigerant designed with the environment in mind.

This refrigerant will not harm the earth's ozone layer. However, it may contribute in a small part to global warming.

Special charging equipment and lubricant are required when servicing your vehicle's air conditioner. Using improper refrigerants or lubricants will cause severe damage to the air

conditioner system. (See "Air conditioner system refrigerant and lubricant" (P.9-3).)

A NISSAN dealer will be able to service your environmentally friendly air conditioner system.

Air conditioner filter

The air conditioner system is equipped with an air conditioner filter which reduces odor and collects dirt and dust, etc. To make sure the air conditioner heats, defogs and ventilates efficiently, replace the filter according the specified maintenance intervals listed in the separate maintenance booklet. To replace the filter, contact a NISSAN dealer.

The filter should be replaced if the air flow decreases significantly or if the windows fog up easily when the heater or air conditioner is in operation.

AUDIO SYSTEM (if equipped)

AUDIO OPERATION PRECAUTIONS

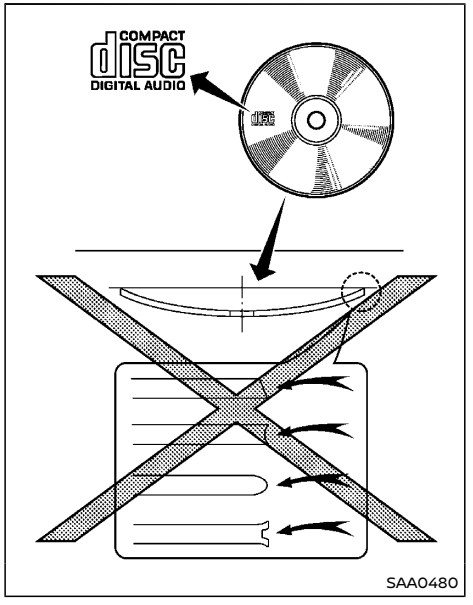
WARNING:

Do not adjust the audio system while driving so that full attention may be given to vehicle operation.

The audio system operates when the ignition switch is in the "ACC" or "ON" position.

Compact Disc (CD) player

- During cold weather or rainy days, the player may malfunction due to humidity. If this occurs, remove the CD from CD player and dehumidify or ventilate the player completely.
- The player may skip while driving on rough roads.
- The CD player sometimes may not function when the passenger compartment temperature is extremely high. Lower the temperature before use.
- Do not expose CDs to direct sunlight.
- CDs that are of poor quality, or are dirty, scratched, covered with fingerprints, or that have pin holes may not work properly.
- The following CDs may not work properly.
  — Copy control compact discs (CCCD)
  — Recordable compact discs (CD-R)
  — Rewritable compact discs (CD-RW)



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- Do not use the following CDs as they may cause the CD player to malfunction.
  — 8 cm (3.1 in) discs
  — CDs that are not round
  — CDs with a paper label
  — CDs that are warped, scratched or have unusual edges.

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CAR PHONE OR CB RADIO

Radio

- Radio reception is affected by station signal strength, distance from radio transmitter, buildings, bridges, mountains and other external influences. Intermittent changes in reception quality normally are caused by these external influences.
- Using a cellular phone in or near the vehicle may influence radio reception quality.

ANTENNA

Window antenna

The antenna pattern is printed inside the rear side window.

CAUTION:

- **Do not place metalized film near the rear side window glass or attach any metal parts to it. This may cause poor reception or noise.**
- **When cleaning the inside of the rear side window, be careful not to scratch or damage the rear side window antenna. Lightly wipe along the antenna with a dampened soft cloth.**

When installing a CB, ham radio or a car phone in your vehicle, be sure to observe the following cautions, otherwise the new equipment may adversely affect the Engine Control System and other electronic parts.

CAUTION:

- **Keep the antenna as far away as possible from the Electronic Control Module.**
- **Keep the antenna wire at least 20 cm (8 in) away from the Engine Control harnesses. Do not route the antenna wire next to any harnesses.**
- **Adjust the antenna standing wave ratio as recommended by the manufacturer.**
- **Connect the ground wire from the radio chassis to the body.**
- **For details, consult a NISSAN dealer.**

MEMO

5 Starting and driving

BREAK-IN SCHEDULE

During the first 1,600 km (1,000 miles), follow these recommendations to obtain maximum engine performance and ensure the future reliability and economy of your new vehicle. Failure to follow these recommendations may result in shortened engine life and reduced engine performance.

- Do not drive at a constant speed, either fast or slow, for long periods of time.
- Do not run the engine over 4,000 rpm.
- Do not accelerate at full throttle in any gear.
- Do not start quickly.
- Do not brake hard as much as possible.

BEFORE STARTING ENGINE

WARNING:

The driving characteristics of your vehicle will change remarkably by any additional load and its distribution, as well as by adding optional equipment (trailer coupling, roof racks, etc.). Your driving style and speed must be adjusted according to the circumstances. Especially when carrying heavy loads, your speed must be reduced adequately.

- Make sure the area around the vehicle is clear.
- Visually inspect tires for their appearance and condition. Measure and check the tire pressure for proper inflation.
- Check that all windows and lights are clean.
- Adjust the seat and head restraint positions.
- Adjust the inside and outside rearview mirror positions.
- Fasten your seat belt and ask all passengers to do the same.
- Check that all doors are closed.
- Check the operation of the warning lights when the ignition switch is placed in the "ON" position.
- Maintenance items in the "8. Maintenance and do-it-yourself" section should be checked periodically.

PRECAUTIONS WHEN STARTING AND DRIVING

WARNING:

- **Never leave children or adults who would normally require the support of others alone in your vehicle. Pets should not be left alone either. They could unknowingly activate switches or controls and inadvertently become involved in a serious accident and injure themselves. On hot, sunny days, temperatures in a closed vehicle could quickly become high enough to cause severe or possibly fatal illness to people or animals.**
- **Properly secure all luggage to help prevent it from sliding or shifting. Do not place luggage higher than the seatbacks. In a sudden stop or collision, unsecured luggage could cause personal injury.**

NOTE:

During the first few months after purchasing a new vehicle, if you smell strong odors of Volatile Organic Compounds (VOCs) inside the vehicle, ventilate the passenger compartment thoroughly. Open all the windows before entering or while in the vehicle. In addition, when the temperature in the passenger compartment rises, or when the vehicle is parked in direct sunlight for a period of time, turn off the air recirculation mode of the air conditioner and/or open the windows to allow sufficient fresh air into the passenger compartment.

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EXHAUST GAS (carbon monoxide)

WARNING:

- **Do not breathe exhaust gas; it contains colorless and odorless carbon monoxide. Carbon monoxide is dangerous. It can cause unconsciousness or death.**
- **If you suspect that exhaust fumes are entering the vehicle, drive with all windows fully open, and have the vehicle inspected immediately.**
- **Do not run the engine in closed spaces such as a garage.**
- **Do not park the vehicle with the engine running for an extended period of time.**
- **Keep the back door closed while driving, otherwise exhaust gas could be drawn into the passenger compartment. If you must drive with the back door open, follow these precautions:**
  - **— Open all the windows.**
  - **— Turn the air recirculation mode off and set the fan speed control to the highest level to circulate the air.**
- **If electrical wiring or other cable connections must pass to a trailer through the seal of the back door or the body, follow the manufacturer's recommendation to prevent carbon monoxide entry into the vehicle.**
- **If a special body or other equipment is added for recreational or other usage, follow the manufacturer's recommendation to prevent carbon monoxide entry into the vehicle. (Some recreational vehicle appliances such as stoves, refrigerators, heaters, etc. may also generate carbon monoxide.)**
- **The exhaust system and body should be inspected by a qualified mechanic whenever:**
  - **— Your vehicle is raised while being serviced.**
  - **— You suspect that exhaust fumes are entering into the passenger compartment.**
  - **— You notice a change in the sound of the exhaust system.**
  - **— You have had an accident involving damage to the exhaust system, underbody, or rear of the vehicle.**

THREE-WAY CATALYST

WARNING:

- **The exhaust gas and the exhaust system are very hot. Keep people, animals and flammable materials away from the exhaust system components.**
- **Do not stop or park the vehicle over flammable materials such as dry grass, wastepaper or rags. They may ignite and cause a fire.**

The three-way catalyst is an emission control device installed in the exhaust system. Exhaust gas in the three-way catalyst is burned at high temperatures to help reduce pollutants.

CAUTION:

- **Do not use leaded gasoline. (See "Recommended fluids/lubricants and capacities" (P.9-2).) Deposits from leaded gasoline seriously reduce the ability of the three-way catalyst to help reduce exhaust pollutants and/or damage the three-way catalyst.**
- **Keep your engine tuned up. Malfunctions in the ignition, fuel injection, or electrical systems may cause overrich fuel to flow into the three-way catalyst, causing it to overheat. Do not keep driving if the engine misfires, or if noticeable loss of performance or other unusual operating conditions are detected. Have the vehicle inspected promptly by a NISSAN dealer.**
- **Avoid driving with an extremely low fuel level. Running out of fuel could cause the engine to misfire, damaging the three-way catalyst.**
- **Do not race the engine while warming it up.**
- **Do not push or tow your vehicle to start the engine.**

CARE WHEN DRIVING

Driving your vehicle to fit the circumstances is essential for your safety and comfort. As a driver, you should be the one who knows best how to drive in the given circumstances.

ENGINE COLD START PERIOD

Due to the higher engine speeds, when the engine is cold, extra caution must be exercised when selecting a gear during the engine warm-up period after starting the engine.

LOADING LUGGAGE

Loads and their distribution and the attachment of equipment (coupling devices, roof luggage carriers, etc.) will considerably change the driving characteristics of the vehicle. Your driving style and speed must be adjusted according to the circumstances.

DRIVING IN WET CONDITIONS

- Avoid accelerating or stopping suddenly.
- Avoid sharp turning or lane changing suddenly.
- Avoid following too close to the vehicle in front.

When water covers the road surface with water puddles, small water streams, etc., reduce speed to prevent hydroplaning which can cause skidding and loss of control. Worn tires will increase this risk.

DRIVING IN WINTER CONDITIONS

- Drive cautiously.
- Avoid accelerating or stopping suddenly.
- Avoid sharp turning or lane changing suddenly.
- Avoid sudden steering.
- Avoid following too close to the vehicle in front.

PUSH-BUTTON IGNITION SWITCH

PRECAUTIONS ON PUSH-BUTTON IGNITION SWITCH OPERATION

WARNING:

Do not operate the push-button ignition switch while driving the vehicle except in an emergency. (The engine will stop when the ignition switch is pushed 3 consecutive times or the ignition switch is pushed and held for more than 2 seconds.) The steering wheel will lock and could cause the driver to lose control of the vehicle. This could result in serious vehicle damage or personal injury.

Before operating the push-button ignition switch, be sure to move the shift lever to the "P" (Park) position.

INTELLIGENT KEY SYSTEM

The Intelligent Key system can operate the ignition switch without taking the key out from your pocket or bag. The operating environment and/or conditions may affect the Intelligent Key system operation. Some indicators and warnings for operation are displayed on the vehicle information display. (See "Vehicle information display" (P.2-12).)

CAUTION:

- **Be sure to carry the Intelligent Key with you when operating the vehicle.**
- **Never leave the Intelligent Key inside the vehicle when you leave the vehicle.**
- **If the vehicle battery is discharged, the ignition switch cannot be switched from the "LOCK" position, and if the steering lock is engaged, the steering wheel cannot be moved. Charge the battery as soon as possible. (See "Jump starting"**

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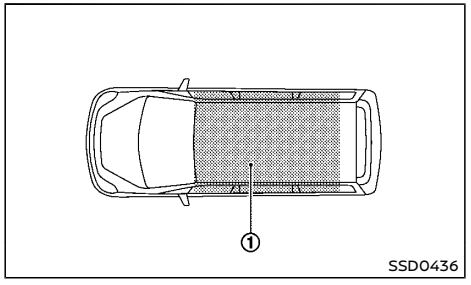
(P.6-6).)

Operating range



The Intelligent Key can only be used for starting the engine when the Intelligent Key is within the specified operating range ①.

When the Intelligent Key battery is almost discharged or strong radio waves are present near the operating location, the Intelligent Key system's operating range becomes narrower and may not function properly.

If the Intelligent Key is within the operating range, it is possible for anyone, even someone who does not carry the Intelligent Key, to push the ignition switch to start the engine.

- The luggage room area is not included in the operating range, but the Intelligent Key may function.
- If the Intelligent Key is placed on the instrument panel, inside the glove box, door pocket or the corner of the interior compartment, the Intelligent Key may not function.
- If the Intelligent Key is placed near the door or window outside the vehicle, the Intelligent Key may function.

Continuously Variable Transmission (CVT) model

The ignition lock is designed so that the ignition switch cannot be switched to the "LOCK" position until the shift lever is moved to the "P" (Park) position.

When the ignition switch cannot be switched to the "LOCK" position:

1. "Shift to Park" warning appears on the vehicle information display and a chime sounds.
2. Move the shift lever to the "P" (Park) position.
3. Push the ignition switch. The ignition switch position will change to the "ON" position.
4. Push the ignition switch again to the "OFF" position.
5. Open the door. The ignition switch turns to the "LOCK" position.

For warnings and indicators on the vehicle information display, see "Vehicle information display" (P.2-12).

If the ignition switch is switched to the "LOCK" position, the shift lever cannot be moved from the "P" (Park) position. The shift lever can be moved if the ignition switch is in the "ON" position with the foot brake pedal depressed.

STEERING LOCK

The ignition switch is equipped with an anti-theft steering lock device.

To lock steering wheel

1. Place the ignition switch in the "OFF" position where the ignition switch position indicator will not illuminate.
2. Open or close the door. The ignition switch turns to the "LOCK" position.
3. Turn the steering wheel 1/6 of a turn to the right or left from the straight up position.

To unlock steering wheel

Push the ignition switch, and the steering wheel will be automatically unlocked.

CAUTION:

- **If the battery of the vehicle is discharged, the push-button ignition switch cannot be switched from the "LOCK" position.**
- **If the steering lock release malfunction indicator appears on the vehicle information display, push the ignition switch again while rotating the steering wheel slightly to the right and left.**

  (See "Vehicle information display" (P.2-12).)

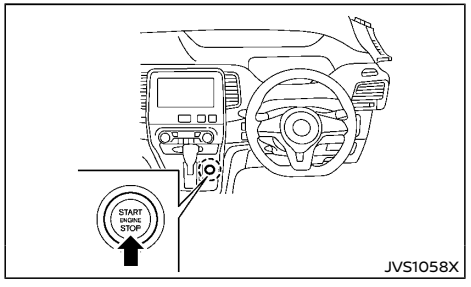
IGNITION SWITCH POSITIONS

WARNING:

Never place the ignition switch in the "OFF" position while driving. The steering wheel may lock and cause the driver to lose control of the vehicle, resulting in serious vehicle damage or personal injury.

CAUTION:

- **Do not leave the vehicle for extended periods of time when the ignition switch is in the "ON" position and the engine is not running. This can discharge the battery.**
- **Use electrical accessories with the engine running to avoid discharging the vehicle battery. If you must use accessories while the engine is not running, do not use them for extended periods of time and do not use multiple electrical accessories at the same time.**



When the ignition switch is pushed without depressing the brake pedal, the ignition switch will illuminate.

Push the ignition switch center:

- once to change to "ON".
- two times to change to "OFF".

The ignition switch will automatically return to the "LOCK" position when any door is either opened or closed with the switch in the "OFF" position.

LOCK position

The ignition switch and steering lock can only be locked at this position.

The ignition switch will lock when any door is opened or closed with the ignition switched off.

ON position

The ignition system and the electrical accessory power activate at this position without the engine turned on.

The "ON" position has a battery saver feature that will place the ignition switch in the "OFF" position, if the vehicle is not running, after some time under the following conditions:

- hazard indicator flasher switch is turned on.
- ignition switch is in the "ON" position.
- engine is stopped.

The battery saver feature will be cancelled if any of the following occur:

- hazard indicator flasher switch is turned off.
- ignition switch is in the "OFF" position.
- engine is running.
- vehicle is driven.

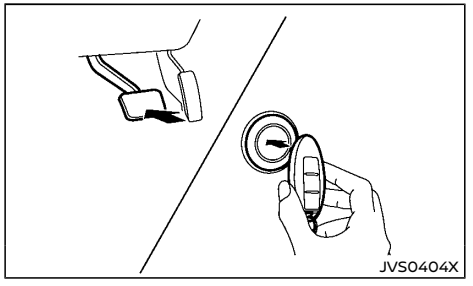
OFF position

The engine is turned off in this position.

Auto ACC position

With the vehicle in the "P" (Park) position, the Intelligent Key with you and the ignition switch placed from "ON" to "OFF", the outside rearview mirror remote control, etc. can still be used for a period of time, or until the driver's door is opened.

INTELLIGENT KEY BATTERY DISCHARGE



If the battery of the Intelligent Key is discharged, or environmental conditions interfere with the Intelligent Key operation, start the engine according to the following procedure:

1. Move the shift lever to the "P" (Park) position.
2. Firmly depress the brake pedal.
3. Touch the ignition switch with the Intelligent Key as illustrated. (A chime will sound.)
4. Push the ignition switch while depressing the brake pedal within 10 seconds after the chime sounds. The engine will start.

After step 3 is performed, when the ignition switch is pushed without depressing the brake

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STARTING ENGINE

pedal, the ignition switch position will change to "ON".

NOTE:

- **When the ignition switch is placed in the "ON" position or the engine is started by the above procedures, the "Key battery low" warning appears (on the vehicle information display) even if the Intelligent Key is inside the vehicle. This is not a malfunction. To turn off the warning, touch the ignition switch with the Intelligent Key again.**
- **If the "Key battery low" warning appears (on the vehicle information display), replace the battery as soon as possible. (See "Battery" (P.8-14).)**

1. Apply the parking brake.
2. Move the shift lever to the "P" (Park) or the "N" (Neutral) position.

   The starter is designed to operate only when the shift lever is in the proper position.

   The Intelligent Key must be carried when operating the ignition switch.
3. Place the ignition switch in the "ON" position. Depress the brake pedal and push the ignition switch to start the engine.

   To start the engine immediately, push and release the ignition switch while depressing the brake pedal with the ignition switch in any position.
4. Immediately release the ignition switch when the engine starts. If the engine starts, but fails to run, repeat the above procedures.

   If the engine is very hard to start in extremely cold or hot weather, depress the accelerator pedal and hold it. Push the ignition switch for up to 15 seconds while holding. Release the accelerator pedal when the engine starts.

CAUTION:

- **As soon as the engine has started, release the ignition switch immediately.**
- **Do not operate the starter for more than 15 seconds at a time. If the engine does not start, place the ignition switch in the "OFF" position and wait 10 seconds before cranking the engine again. Otherwise, the starter could be damaged.**
- **If it becomes necessary to start the engine with a booster battery and jumper cables, the instructions and cautions contained in the "6. In case of emergency" section should be carefully followed.**

5. Allow the engine to idle for at least 30 seconds after starting the engine to warm-up. Drive at moderate speeds for a short distance first, especially in cold weather.

CAUTION:

Do not leave the vehicle unattended while the engine is warming up.

6. To stop the engine, move the shift lever to the "P" (Park) position, apply the parking brake and place the ignition switch in the "OFF" position.

DRIVING VEHICLE

DRIVING WITH CONTINUOUSLY VARIABLE TRANSMISSION (CVT)

The Continuously Variable Transmission (CVT) in your vehicle is electronically controlled to produce maximum power and smooth operation.

The recommended operating procedures for this transmission are shown on the following pages. Follow these procedures for maximum vehicle performance and driving enjoyment.

Engine power may be automatically reduced to protect the CVT if the engine speed increases quickly when driving on slippery roads or while being tested on some dynamometers.

WARNING:

Do not downshift abruptly on slippery roads. This may cause a loss of control.

CAUTION:

- **The cold engine idle speed is high, so use caution when shifting the transmission into a forward or reverse position before the engine has warmed up.**
- **Avoid revving up the engine while the vehicle is stopped. This could cause unexpected vehicle movement.**
- **Never shift to either the "P" (Park) or "R" (Reverse) position while the vehicle is moving forward and "P" (Park), "D" (Drive) or "L" (Low) position while the vehicle is reversing. This could cause an accident or damage the transmission.**
- **Start the engine in either the "P" (Park) or "N" (Neutral) position. The engine will not start in any other position. If it does, have your vehicle checked by a NISSAN dealer.**
- **Except in an emergency, do not shift to the "N" (Neutral) position while driving. Coasting with the transmission in the "N" (Neutral) position may cause serious damage to the transmission.**
- **Shift into the "P" (Park) position and apply the parking brake when at a standstill for longer than a short waiting period.**
- **Keep the engine at idling speed while shifting from the "N" (Neutral) position to any driving position.**
- **When stopping the vehicle on an uphill grade, do not hold the vehicle by depressing the accelerator pedal. The foot brake pedal should be depressed in this situation.**

Starting vehicle

1. After starting the engine, fully depress the foot brake pedal before moving the shift lever out of the "P" (Park) position.
2. Keep the foot brake pedal depressed and move the shift lever to a driving position.
3. Release the parking brake, the foot brake pedal, and then gradually start the vehicle in motion.

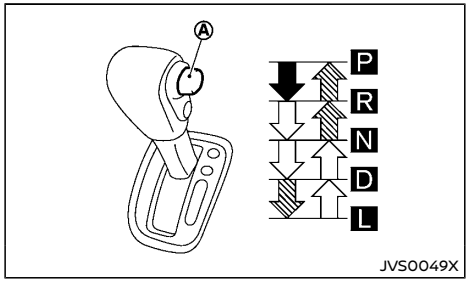
The CVT is designed so the foot brake pedal MUST be depressed before shifting from the "P" (Park) position to any driving position while the ignition switch is in the "ON" position.

The shift lever cannot be moved out of the "P" (Park) position and into any of the other positions if the ignition switch is placed in the "LOCK", "OFF" or "ACC" position.

CAUTION:

- **DEPRESS THE FOOT BRAKE PEDAL – Shifting the shift lever to "D", "R" or "L" without depressing the foot brake pedal causes the vehicle to move slowly when the engine is running. Make sure the foot brake pedal is depressed fully and the vehicle is stopped before shifting the shift lever.**
- **MAKE SURE TO CHECK THE SHIFT LEVER POSITION – Make sure the shift lever is in the desired position. "D" and "L" are used to move forward and "R" to back up.**
- **WARM UP THE ENGINE – Due to the higher idling speeds when the engine is cold, extra caution must be exercised when shifting the shift lever into the driving position immediately after starting the engine.**

Shifting



➡: Push the button Ⓐ while depressing the foot brake pedal.

⇛: Push the button Ⓐ.

⇨: Just move the shift lever.

WARNING:

- **Apply the parking brake if the shift lever is in any position while the engine is not running. Failure to do so could cause the vehicle to move unexpectedly or roll away and result in serious personal injury or property damage.**
- **Do not place or hang any objects on the shift lever. The shift lever may move unexpectedly. This may cause an accident.**
- **If the shift lever cannot be moved from the "P" (Park) position while the engine is running and the foot brake pedal is depressed, the stop lights may not work. Malfunctioning stop lights could cause an accident injuring yourself and others.**

After starting the engine, fully depress the foot brake pedal, push the shift lever button and move the shift lever out of the "P" (Park) position.

If the ignition switch is placed in the "OFF" or "ACC" position for any reason while the shift lever is in any positions other than the "P" (Park) position, the ignition switch cannot be placed in the "LOCK" position.

When it is hard to shift the shift lever from the "P" (Park) position to other position, first check that the parking brake is applied, then release the foot brake pedal and depress the foot brake pedal again.

If the ignition switch cannot be placed in the "LOCK" position, perform the following steps:

1. Apply the parking brake.
2. Place the ignition switch in the "ON" position while depressing the foot brake pedal.
3. Move the shift lever to the "P" (Park) position.
4. Place the ignition switch in the "LOCK" position.

P (Park):

Use this position when the vehicle is parked or when starting the engine. **Make sure that the vehicle is completely stopped and move the shift lever into the "P" (Park) position.** Apply the parking brake. When parking on a hill, first depress the foot brake pedal, apply the parking brake, and then move the shift lever into the "P" (Park) position.

R (Reverse):

Use this position to back up. Make sure that the vehicle is completely stopped before selecting the "R" (Reverse) position.

N (Neutral):

Neither the forward nor reverse gear is engaged. The engine can be started in this position. You may shift to the "N" (Neutral) position and restart a stalled engine while the vehicle is moving.

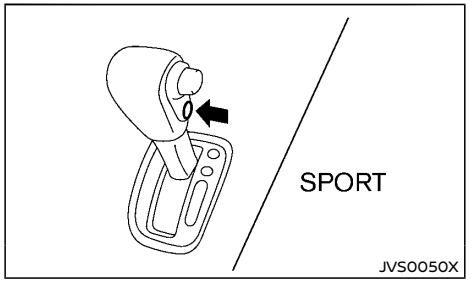
D (Drive):

Use this position for all normal forward driving.

L (Low):

Use this position when climbing steep hills slowly or driving slowly through deep snow, sand or mud, or for maximum engine braking on steep downhill grades.

SPORT mode switch



To select the SPORT mode, push the SPORT mode switch with the shift lever in the "D" (Drive) position. The SPORT mode indicator light SPORT in the meter panel illuminates. To turn off the SPORT mode, push the SPORT mode switch again. The SPORT mode indicator light will turn off. When the shift lever is shifted to any position other than "D", the SPORT mode will be automatically turned off.

"OFF" position:

For normal driving and fuel economy, use the "OFF" position.

"ON" position:

For driving up or down long slopes where engine braking is necessary, or for powerful acceleration, use the "ON" position. The transmission will automatically select a different gear ratio, allowing the engine to provide high output.

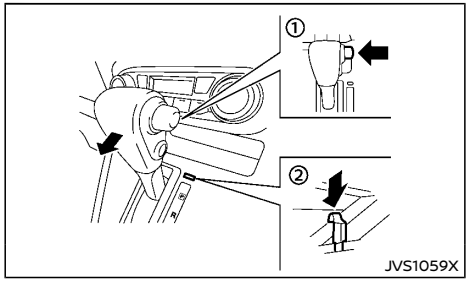
When driving conditions change, push the switch to turn the SPORT mode off.

Remember not to drive at high speeds for extended periods of time with the SPORT mode in the "ON" position. This reduces fuel economy.

Accelerator downshift - in the "D" position -

For passing or climbing hills, depress the accelerator pedal to the floor. This shifts the transmission down into a lower gear, depending on the vehicle speed.

Shift lock release



If the battery is discharged, the shift lever may not be moved from the "P" (Park) position even with the foot brake pedal depressed.

To move the shift lever, release the shift lock. The shift lever can be moved to the "N" (Neutral) position. However, the steering wheel will be locked unless the ignition switch is placed in the "ON" position. This allows the vehicle to be moved if the battery is discharged.

To release the shift lock, perform the following procedure:

1. Apply the parking brake.
2. Push the shift lock release button ② using a suitable tool. Use a cloth to protect the button.
3. Push and hold the shift lever button ① and move the shift lever to the "N" (Neutral) position while pushing in the shift lock release button.

If the steering wheel is locked, restore the battery power supply and place the ignition switch in the "ON" position. (See "Jump starting" (P.6-6).) And then, release the steering wheel lock.

The vehicle may be moved, by pushing, to the desired location.

If the shift lever cannot be moved out of the "P" (Park) position, have a NISSAN dealer check the CVT system as soon as possible.

CAUTION:

If the battery is discharged completely, the steering wheel cannot be unlocked while the ignition switch is in the "OFF" position. Do not move the vehicle with the steering wheel locked.

High fluid temperature protection mode

This transmission has a high fluid temperature protection mode. If the fluid temperature becomes too high (for example, when climbing steep grades in high temperature with heavy loads), engine power and, under some conditions, vehicle speed will be decreased automatically to reduce the chance of transmission damage. Vehicle speed can be controlled with the accelerator pedal, but engine and vehicle speed may be limited.

Fail-safe

When the fail-safe operation occurs, the CVT will not be shifted to the selected driving position.

If the vehicle is driven under extreme conditions, such as excessive wheel spinning and subsequent hard braking, the fail-safe system may be activated. This will occur even if all electrical circuits are functioning properly. In this case, place the ignition switch off and wait for 10 seconds. Then place the ignition switch back in the "ON" position. The vehicle should return to its normal operating condition. If it does not return to its normal operating condition, have a NISSAN dealer check the transmission and repair it if necessary.

WARNING:

When the fail-safe operation occurs, vehicle speed may be gradually reduced. The reduced speed may be lower than other traffic, which could increase the chance of a collision. Be especially careful when driving. If necessary, pull to the side of the road at a safe place and allow the transmission to return to normal operation, or have it repaired if necessary.

Adaptive Shift Control (ASC)

The Adaptive Shift Control automatically operates when the transmission is in the "D" (Drive) position and selects an appropriate gear depending on the road conditions such as uphill or downhill.

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IDLING STOP SYSTEM

Control on uphill and curving roads:

A low gear is maintained that suits the degree of the slope to allow smooth driving with a small number of shifts.

Control on downhill roads:

The Adaptive Shift Control shifts to a low gear that suits the degree of the slope when the accelerator pedal is depressed, and uses the engine braking to help driving in the downhill.

Control on winding roads:

A low gear is maintained on continuous curves that involve repeated acceleration and deceleration, so that smooth acceleration is available instantly when the accelerator pedal is depressed.

NOTE:

- **Adaptive Shift Control may not operate when the transmission oil temperature is low immediately after the start of driving or when it is very hot.**
- **During some driving situations, hard braking for example, the Adaptive Shift Control may automatically operate. The transmission may automatically shift to a lower gear for engine braking. This increases engine speed but not vehicle speed. Vehicle speed is controlled by the accelerator pedal when the vehicle is in the Adaptive Shift Control mode.**
- **When the Adaptive Shift Control operates, the transmission sometimes maintains a lower gear for a longer period of time than when Adaptive Shift Control is not operating. Engine speed will be higher for a specific vehicle speed while Adaptive Shift Control is operating than when Adaptive Shift Control is not operating.**

The Idling Stop System activates to prevent unnecessary fuel consumption, exhaust emissions and noise.

- When you stop the vehicle, the engine is turned off automatically.
- When you start the vehicle again, the engine is turned on automatically.

CAUTION:

When the vehicle is moved (at approximately 2 km/h or more) while the engine is stopped by the system, such as on a downhill grade, the engine restarts automatically. To avoid an accident, be sure to depress the brake pedal.

NOTE:

The Idling Stop System will not activate under the following conditions. (There may be some situations other than those listed below when the Idling Stop System will not activate depending on the temperature inside or outside the vehicle and the operational status of the air conditioner, etc.)

- **When the engine is kept idling without the vehicle being driven after the engine is turned on.**
- **When the engine coolant temperature is low.**
- **When the battery capacity is low.**
- **When the battery temperature is low.**
- **When the vehicle is moving.**
- **When the negative pressure booster decreases.**
- **When the engine hood is opened with the engine running.**
- **When the engine is turned on with the engine hood open.**
- **When the driver's seat belt is not fastened.**
- **When the driver's door opens.**
- **When the steering wheel is operated.**
- **When the Idling Stop System indicator light blinks.**
- **When the accelerator pedal is depressed.**
- **When the shift lever is in the "R" (Reverse) position.**
- **When the temperature inside the vehicle is lower than approximately 20°C (68°F).**
- **When the temperature inside the vehicle is higher than approximately 30°C (86°F). (When the air conditioner is off, the Idling Stop System will operate.)**
- **When the fan speed of the air conditioner is set to the maximum speed.**
- **When the front defogger is activated. (The Idling Stop System may operate depending on the outside temperature.)**
- **When the Idling Stop System OFF switch is on.**
- **When the electric power steering warning and/or the Vehicle Dynamic Control (VDC) warning light illuminates.**
- **When the brake pedal is not firmly depressed.**
- **When stopping the vehicle on sloping roads.**
- **When the power consumption is high.**
- **When driving at an altitude of more than approximately 2,000 m (6,562 ft).**

NOTE:

- **It may take some time until the Idling Stop System activates under the following conditions.**
  - **— When the battery is discharged.**
  - **— When the outside temperature is low or high.**
  - **— When the battery is replaced or the battery terminal is disconnected for extended periods and then reconnected.**
- **The engine will not restart with the brake pedal released while the Idling Stop System is activated when the shift lever is in the "P" (Park) position.**
- **The engine will restart without the brake pedal being released while the Idling Stop System is activated under the following conditions. (There may be some situations other than those listed below when the engine will restart depending on the temperature inside or outside the vehicle and the operational status of the air conditioner, etc.)**
  - **— When more than 3 minutes have elapsed since the Idling Stop System was active.**
  - **— When the Idling Stop System OFF switch is pushed.**
  - **— When the temperature inside the vehicle decreased to less than approximately 20°C (68°F).**
  - **— When the temperature inside the vehicle increased to more than 30°C (86°F). (When the air conditioner is off, the Idling Stop System will continue to operate.)**
  - **— When pushing the "A/C" or "AUTO" button of the air conditioner.**
  - **— When the front defogger is activated. (The engine may not start depending on the outside temperature.)**
  - **— When the accelerator pedal is depressed.**
  - **— When the steering wheel is operated. (The steering wheel operation may become heavy, but this is not a malfunction.)**
  - **— When the battery capacity is low.**
  - **— When the power consumption is high.**
  - **— When the brake pedal is released on sloping roads and the vehicle starts moving.**
  - **— When the shift lever is placed in the "R" (Reverse) position.**
  - **— When the brake pedal is released with the shift lever in the "L" (Low) , "D" (Drive) or "N" (Neutral) position.**
  - **— When the shift lever is placed in the "L" (Low) or "D" (Drive) position from the "N" (Neutral) or "P" (Park) position.**
  - **— When negative pressure of the brake system is not sufficiently applied by depressing the brake pedal several times.**
  - **— When the driver's seat belt is unfastened and/or the driver's side door is opened.**

Use this system while waiting at a stoplight, etc. When the vehicle is stopped for long periods of time, turn off the engine.

When the engine hood is opened with the Idling Stop System on, the engine will be in the normal stopped state with the buzzer sounding. In this case, restart the engine with the ignition switch.

When the Idling Stop System operates, the air conditioner function will not operate.

OPERATING IDLING STOP SYSTEM

The Idling Stop System indicator light and the S-HYBRID indicator light in the meter illuminate while the Idling Stop System is active.

- When the Idling Stop System indicator light and the S-HYBRID indicator light illuminate, the engine stops automatically under at least one of the following conditions:
  - — When the vehicle is stopped with the brake pedal depressed and the shift lever in the "L" (Low) or "D" (Drive) position.
  - — When the shift lever is shifted to the "N" (Neutral) position and the vehicle is stopped with the brake pedal depressed.
  - — When the shift lever is in the "P" (Park) position.

    (When the shift lever is in the "P" (Park) position, the engine stops automatically without the brake pedal depressed.)
- When the brake pedal is released, the engine restarts automatically.

  (When the shift lever is in the "P" (Park) position, the engine will not restart with the brake pedal released while the Idling Stop System is activated.)

NOTE:

- **The Idling Stop System indicator light, the S-HYBRID indicator light and a buzzer will inform you of the Idling Stop System status. For more details, see "Idling Stop System indicator light" (P.2-10) or "Idling Stop System reminder buzzer" (P.2-12).**
- **The accumulated time the Idling Stop System has been operating and the current saved fuel consumption by the**

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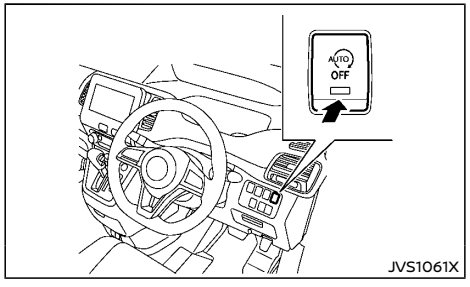
Idling Stop System can be checked using the trip computer. See "Trip computer" (P.2-19).

Retrograde movement control function

This system is designed to reduce the retrograde movement that occurs while the driver's foot changes from depressing the brake pedal to the accelerator pedal when moving the vehicle while the Idling Stop System is active on a hilly road.

Because this function uses the VDC brake control, if the VDC warning light illuminates in the meter, the retrograde movement control function will not operate. (See "Warning lights, indicator lights and audible reminders" (P.2-7).)

IDLING STOP SYSTEM OFF SWITCH



Use the Idling Stop System OFF switch when you would like to stop operation of the Idling Stop System.

When the Idling Stop System OFF switch is pushed, operation will be stopped. (The indicator light on the switch will illuminate.) When the switch is pushed again, operation of the Idling Stop System will be activated. (The indicator light on the switch will turn off.)

NOTE:

- **If the switch is pushed while the Idling Stop System is in operation, the engine will be restarted.**
- **The Idling Stop System ON or OFF message is displayed for a few seconds in the vehicle information display when the Idling Stop System is turned on or off. (See "22. Stop/Start - Idling Stop System indicator" (P.2-18).)**
- **Push the switch again, or place the ignition switch in the "OFF" position once and then restart the engine. This makes the Idling Stop System become active. (The indicator light on the switch will turn off.)**

WARNING:

- **The Vehicle Dynamic Control (VDC) system is designed to help the driver maintain stability but does not prevent accidents due to abrupt steering operation at high speeds or by careless or dangerous driving techniques. Reduce vehicle speed and be especially careful when driving and cornering on slippery surfaces and always drive carefully.**
- **Do not modify the vehicle's suspension. If suspension parts such as shock absorbers, struts, springs, stabilizer bars, bushings and wheels are not NISSAN recommended for your vehicle or are extremely deteriorated, the VDC system may not operate properly. This could adversely affect vehicle handling performance, and the VDC warning light may illuminate.**
- **If brake related parts such as brake pads, rotors and calipers are not NISSAN recommended or are extremely deteriorated, the VDC system may not operate properly and the VDC warning light may illuminate.**
- **If engine control related parts are not NISSAN recommended or are extremely deteriorated, the VDC warning light may illuminate.**
- **When driving on extremely inclined surfaces such as higher banked corners, the VDC system may not operate properly and the VDC warning light may illuminate. Do not drive on these types of roads.**
- **When driving on an unstable surface such as a turntable, ferry, elevator or ramp, the**

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VDC warning light may illuminate. This is not a malfunction. Restart the engine after driving onto a stable surface.

- **If wheels or tires other than the NISSAN recommended ones are used, the VDC system may not operate properly and the VDC warning light may illuminate.**
- **The VDC system is not a substitute for winter tires or tire chains on a snow covered road.**

The Vehicle Dynamic Control (VDC) system uses various sensors to monitor driver inputs and vehicle motion. Under certain driving conditions, the VDC system helps to perform the following functions.

- Controls brake pressure to reduce wheel slip on one slipping drive wheel so power is transferred to a non slipping drive wheel on the same axle.
- Controls brake pressure and engine output to reduce drive wheel slip based on vehicle speed (traction control function).
- Controls brake pressure at individual wheels and engine output to help the driver maintain control of the vehicle in the following conditions:
  - — understeer (vehicle tends to not follow the steered path despite increased steering input)
  - — oversteer (vehicle tends to spin due to certain road or driving conditions).

The VDC system can help the driver to maintain control of the vehicle, but it cannot prevent loss of vehicle control in all driving situations.

When the VDC system operates, the VDC warning light in the instrument panel flashes so note the following:

- The road may be slippery or the system may determine some action is required to help the vehicle on the steered path.
- You may feel a pulsation in the brake pedal and hear a noise or vibration from under the hood. This is normal and indicates that the VDC system is working properly.
- Adjust your speed and driving to the road conditions.

If a malfunction occurs in the system, the VDC warning light illuminates in the instrument panel. The VDC system automatically turns off.

The VDC OFF switch is used to turn off the VDC system. The VDC off indicator light OFF illuminates to indicate the VDC system is off. When the VDC OFF switch is used to turn off the system, the VDC system still operates to prevent one drive wheel from slipping by transferring power to a non slipping drive wheel. The VDC warning light flashes if this occurs. All other VDC functions are off and the VDC warning light will not flash. The VDC system is automatically reset to on when the ignition switch is placed in the "OFF" position then back to the "ON" position.

See "Vehicle Dynamic Control (VDC) warning light" (P.2-10) and "Vehicle Dynamic Control (VDC) off indicator light" (P.2-11).

The computer has a built-in diagnostic feature that tests the system each time you start the engine and move the vehicle forward or in reverse at a slow speed. When the self-test occurs, you may hear a "clunk" noise and/or feel a pulsation in the brake pedal. This is normal and is not an indication of a malfunction.

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HILL START ASSIST SYSTEM

WARNING:

- **Never rely solely on the hill start assist system to prevent the vehicle from moving backward on a hill. Always drive carefully and attentively. Depress the brake pedal when the vehicle is stopped on a steep hill. Be especially careful when stopped on a hill on frozen or muddy roads. Failure to prevent the vehicle from rolling backwards may result in a loss of control of the vehicle and possible serious injury or death.**
- **The hill start assist system is not designed to hold the vehicle at a standstill on a hill. Depress the brake pedal when the vehicle is stopped on a steep hill. Failure to do so may cause the vehicle to roll backwards and may result in a collision or serious personal injury.**
- **The hill start assist system may not prevent the vehicle from rolling backwards on a hill under all load or road conditions. Always be prepared to depress the brake pedal to prevent the vehicle from rolling backwards. Failure to do so may result in a collision or serious personal injury.**

The hill start assist system automatically keeps the brakes applied to help prevent the vehicle from rolling backwards in the time it takes the driver to release the brake pedal and apply the accelerator when the vehicle is stopped on a hill.

The hill start assist system will operate automatically under the following conditions:

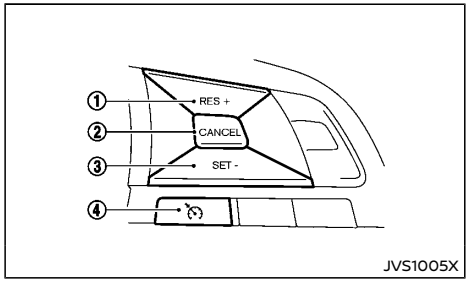
- The transmission is shifted to a forward or reverse gear.
- The vehicle is stopped completely on a hill by applying the brake.

The maximum holding time is 2 seconds. After 2 seconds the vehicle will begin to roll back and the hill start assist system will stop operating completely.

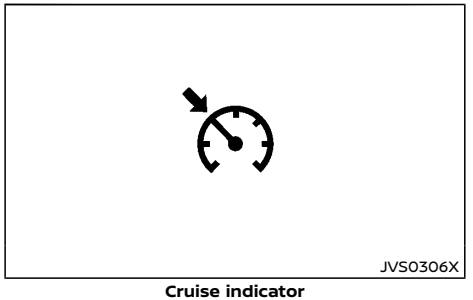
The hill start assist system will not operate when the transmission is shifted to the "N" (Neutral) or "P" (Park) position or on a flat and level road.

When the Vehicle Dynamic Control (VDC) warning light illuminates in the meter, the hill start assist system will not operate. (See "Vehicle Dynamic Control (VDC) warning light" (P.2-10).)

CRUISE CONTROL



① RES/+ switch
② CANCEL switch
③ SET/- switch
④ Cruise ON/OFF switch



Cruise indicator

The cruise indicator and the set vehicle speed are displayed in the vehicle information display. The cruise indicator indicates the status of the cruise control system by the color.

WARNING:

- **Always observe the posted speed limits and do not set the speed over them.**

- **Do not use the cruise control when driving under the following conditions. Doing so could cause a loss of vehicle control and result in an accident.**
  - **— When it is not possible to keep the vehicle at a constant speed**
  - **— When driving in heavy traffic**
  - **— When driving in traffic that varies speed**
  - **— When driving in windy areas**
  - **— When driving on winding or hilly roads**
  - **— When driving on slippery (rain, snow, ice, etc.) roads**

PRECAUTIONS ON CRUISE CONTROL

- If the cruise control system malfunctions, it will cancel automatically. The cruise indicator in the vehicle information display will then blink to warn the driver.
- If the cruise indicator blinks, turn the Cruise ON/OFF switch off and have the system checked by a NISSAN dealer.
- The cruise indicator may blink when the Cruise ON/OFF switch is turned ON while pushing the RES/+, SET/-, or CANCEL switch. To properly set the cruise control system, perform the following procedures.

CRUISE CONTROL OPERATIONS

The cruise control allows driving at speeds above 40 km/h (25 MPH) without keeping your foot on the accelerator pedal.

The cruise control will automatically be canceled if the vehicle slows down more than approximately 13 km/h (8 MPH) below the set speed.

Moving the shift lever to the "N" (Neutral) position will cancel the cruise control.

Turning on cruise control

Push the Cruise ON/OFF switch. The cruise indicator (white) will illuminate in the vehicle information display.

Setting cruising speed

1. Accelerate to the desired speed.
2. Push the SET/- switch and release it.
3. The cruise indicator (green) illuminates in the vehicle information display.
4. Take your foot off the accelerator pedal.

The vehicle will maintain the set speed.

Passing another vehicle:

Depress the accelerator pedal to accelerate. After releasing the accelerator pedal, the vehicle will return to the previously set speed.

The vehicle may not maintain the set speed when going up or down steep hills. In such cases, drive without the cruise control.

Resetting to slower speed:

Use any one of the following methods to reset to a slower speed.

- Lightly tap the foot brake pedal. When the vehicle reaches the desired speed, push and release the SET/- switch.
- Push and hold the SET/- switch. When the vehicle reaches the desired speed, release the SET/- switch.
- Quickly push and release the SET/- switch. This will reduce the vehicle speed by about 1 km/h (1 MPH).

Resetting to faster speed:

Use any one of the following methods to reset to a faster speed.

- Depress the accelerator pedal. When the vehicle reaches the desired speed, push and release the SET/- switch.
- Push and hold the RES/+switch. When the vehicle reaches the desired speed, release the RES/+ switch.
- Quickly push and release the RES/+ switch. This will increase the vehicle speed by about 1 km/h (1 MPH).

Resuming at preset speed:

Push and release the RES/+ switch.

The vehicle will resume the last set cruising speed when the vehicle speed is over 40 km/h (25 MPH).

Cancelling cruising speed

Use any one of the following methods to cancel the set speed.

- Push the CANCEL switch. The cruise indicator will change from green to white.
- Tap the foot brake pedal. The cruise indicator will change from green to white.
- Push the cruise control Cruise ON/OFF switch. The cruise indicator will turn off.

FUEL EFFICIENCY AND CARBON DIOXIDE REDUCTION DRIVING TIPS

Follow these easy-to-use Fuel Efficiency and Carbon Dioxide Reduction Driving Tips to help you achieve the most fuel economy from your vehicle and reduce carbon dioxide emissions.

1. Use smooth accelerator and brake pedal application.
   - Avoid rapid starts and stops.
   - Use smooth, gentle accelerator and brake application whenever possible.
   - Maintain constant speed while commuting and coast whenever possible.
2. Maintain constant speed.
   - Look ahead to try and anticipate and minimize stops.
   - Synchronizing your speed with traffic lights allows you to reduce your number of stops.
   - Maintaining a steady speed can minimize red light stops and improve fuel efficiency.
3. Drive at economical speeds and distances.
   - Observing the speed limit and not exceeding 97 km/h (60 MPH) (where legally allowed) can improve fuel efficiency due to reduced aerodynamic drag.
   - Maintaining a safe following distance behind other vehicles reduces unnecessary braking.
   - Safely monitoring traffic to anticipate changes in speed permits reduced braking and smooth acceleration changes.
   - Select a gear range suitable to road conditions.
4. Use cruise control (if equipped).
   - Using cruise control during highway driving helps maintain a steady speed.
   - Cruise control is particularly effective in providing fuel savings when driving on flat terrains.
5. Plan for the shortest route.
   - Utilize a map or navigation system (if equipped) to determine the best route to save time.
6. Avoid idling.
   - Shutting off your engine when safe for stops exceeding 30-60 seconds saves fuel and reduces emissions.
7. Buy an automated pass for toll roads.
   - Automated passes permit drivers to use special lanes to maintain cruising speed through the toll and avoid stopping and starting.
8. Winter warm up.
   - Limit idling time to minimize impact to fuel economy.
   - Vehicles typically need no more than 30 seconds of idling at start-up to effectively circulate the engine oil before driving.
   - Your vehicle will reach its ideal operating temperature more quickly while driving versus idling.
9. Keeping your vehicle cool.
   - Park your vehicle in a covered parking area or in the shade whenever possible.
   - When entering a hot vehicle, opening the windows will help to reduce the inside temperature faster, resulting in reduced demand on your A/C system.
10. Do not carry excessive weight.
    - Remove unnecessary objects from the vehicle to reduce vehicle weight.

INCREASING FUEL ECONOMY AND REDUCING CARBON DIOXIDE EMISSIONS

- Keep your engine tuned up.
- Follow the recommended scheduled maintenance.
- Keep the tires inflated to the correct pressure. Low tire pressure increases tire wear and lowers fuel economy.
- Keep the wheels in correct alignment. Improper alignment increases tire wear and lowers fuel economy.
- Use the recommended viscosity engine oil. (See “Recommended fluids/lubricants and capacities” (P.9-2).)

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ECO MODE SYSTEM

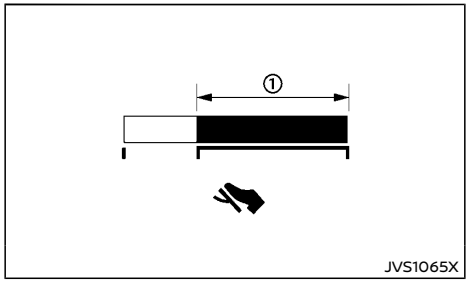
The ECO mode system helps to enhance the fuel economy by controlling the engine and CVT operation automatically to avoid rapid acceleration.

To turn on the ECO mode system, push the ECO switch. The ECO mode indicator appears on the vehicle information display. (See "21. ECO mode indicator" (P.2-18).)

To turn off the ECO mode, push the ECO switch again. The ECO mode indicator will turn off.

- The ECO mode system cannot be turned off while the accelerator pedal is depressed even if the ECO switch is pushed to OFF. Release the accelerator pedal to turn off the ECO mode system.
- The ECO mode system will turn off automatically if a malfunction occurs in the system.
- Turn off the ECO mode system when acceleration is required such as when:
  - driving with a heavy load of passengers or cargo in the vehicle
  - driving on a steep uphill slope

ECO PEDAL GUIDE FUNCTION



Use the ECO Pedal Guide function for improving fuel economy.

When the ECO Pedal Guide bar is in the light blue range ①, it indicates that the vehicle is driven within range of economy drive.

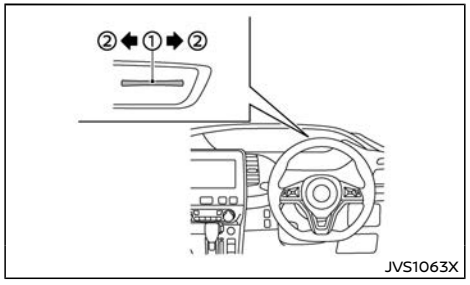
If the ECO Pedal Guide bar is out of the light blue range, it indicates that the accelerator pedal is depressed over the range of economy drive.

The ECO Pedal Guide bar is not displayed when:

- The cruise control system is operating.
- The vehicle speed is less than approximately 4 km/h (2 MPH).
- The shift lever is in the "P" (Park), "N" (Neutral) or "R" (Reverse) position.

To activate or deactivate the ECO Pedal Guide function, see "Settings" (P.2-12).

AMBIENT ECO



The ambient ECO ① is displayed according to the accelerator pedal operation, while driving the vehicle in ECO mode.

The ambient ECO will illuminate in the directions of ② as the driving pattern becomes more ECO friendly.

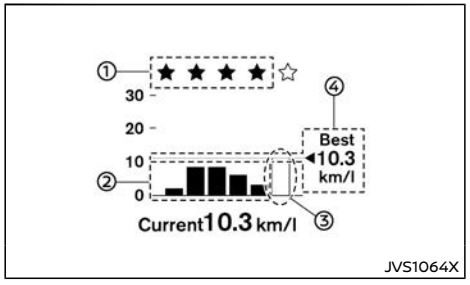
To activate or deactivate the ambient ECO, see "Settings" (P.2-12).

The ambient ECO is not displayed in the following conditions:

- The vehicle speed is under 10 km/h (6 MPH).
- The shift lever is in the "P" (Park), "N" (Neutral) or "R" (Reverse) position.
- The cruise control system is operating.

S-HYBRID SYSTEM

ECO DRIVE REPORT



When the ignition switch is in the "OFF" position, ECO management display appears.

① ECO evaluation
② Previous 5 times (History)
③ Current fuel economy
④ Best fuel economy

The result of ECO evaluation is displayed when the vehicle is driven for about 10 minutes or more.

①: The more economically you drive, the more ★ appear.

②: The average fuel economy for the previous 5 times will be displayed.

③: The average fuel economy since the last reset will be displayed.

④: The best fuel economy of the past history will be displayed.

The S-HYBRID system helps to enhance the fuel economy by controlling the Idling Stop System, the torque assist function, and battery charging by the electric motor (regeneration).

The vehicle has two batteries, a main battery and an auxiliary battery that are specially designed for the S-HYBRID system. See "Engine compartment check locations" (P.8-5) for the position of the batteries.

CAUTION:

Do not drive the vehicle with any of battery terminal is disconnected. Doing so may lead to the system malfunction and may cause an accident.

NOTE:

- **Use the special battery that is enhanced in regard to the charge-discharge capacity and life performance. Avoid using a non-special battery for the S-HYBRID system, as this may cause early deterioration of the battery or a malfunction of the Idling Stop system and the torque assist function.**
- **For the battery, it is recommended to use Genuine NISSAN parts. For more information, contact a NISSAN dealer.**

The "S-HYBRID" indicator light illuminates in the meter under the following conditions.

- The Idling Stop System is operating.
- The torque assist function is working.
- The batteries are being charged by the electric motor (regeneration).

REGENERATION

When the vehicle is coasting (accelerator pedal is released) or decelerating (brake pedal is depressed) and the certain conditions are met, the batteries can be charged by the electric motor and the "S-HYBRID" indicator light illuminates in the meter.

TORQUE ASSIST FUNCTION

With the batteries sufficiently charged, when restarting the vehicle from the Idling Stop condition, the electric motor will assist the acceleration torque for about 1 second. (The "S-HYBRID" indicator light illuminates in the meter.)

The torque assist function activates only once after the Idling Stop System activates.

NOTE:

The torque assist function will not activate under the following conditions. (There may be some situations other than those listed below when the torque assist function will not activate.)

- **The latest Idling Stop time is less than 5 seconds.**
- **The brake pedal is depressed after restarting the vehicle from the Idling Stop condition.**
- **The accelerator pedal is released after restarting the vehicle from the Idling Stop condition.**
- **Starting or accelerating abruptly.**
- **The steering wheel is operated.**
- **The Vehicle Dynamic Control (VDC) system is in operation.**
- **The batteries are not sufficiently charged.**

PARKING

- **The outside temperature is low and the battery function needs to be protected.**

WARNING:

- **Do not stop or park the vehicle over flammable materials such as dry grass, waste paper or rags. They may ignite and cause a fire.**
- **Safe parking procedures require that both the parking brake be applied and the shift lever placed in the "P" (Park) position. Failure to do so could cause the vehicle to move unexpectedly or roll away and result in an accident.**
- **When parking the vehicle, make sure the shift lever is moved to the "P" (Park) position. The shift lever cannot be moved out of the "P" (Park) position without depressing the foot brake pedal.**
- **Never leave the engine running while the vehicle is unattended.**
- **When parking for an extended period of time with Idling Stop System activated, the engine will restart automatically. Never leave the vehicle with the ignition switch in the "ON" position.**
- **Do not leave children unattended inside the vehicle. They could unknowingly activate switches or controls. Unattended children could become involved in serious accidents.**
- **To help avoid risk of injury or death through unintended operation of the vehicle and/or its systems, do not leave children, people who require the assistance of others or pets unattended in your vehicle. Additionally, the temperature inside a closed vehicle on a warm day can quickly become high enough to cause a significant risk of injury or death to people and pets.**

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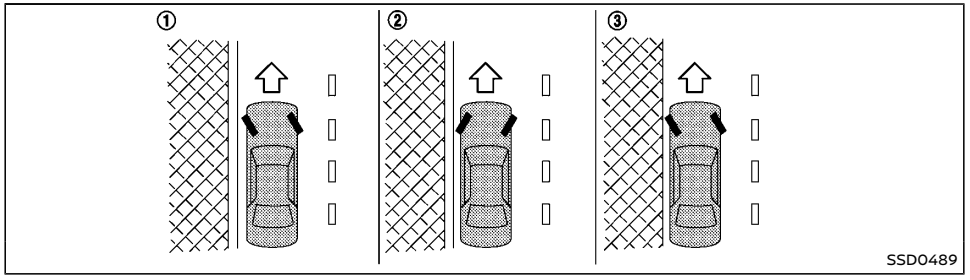

1. Firmly apply the parking brake.
2. Move the shift lever to the "P" (Park) position.
3. To help prevent the vehicle from moving into traffic when parked on an incline, it is a good practice to turn the wheels as illustrated.

   HEADED DOWNHILL WITH CURB ①

   Turn the wheels towards the curb and move the vehicle forward until the curb side wheel gently touches the curb. Then apply the parking brake.

   HEADED UPHILL WITH CURB ②

   Turn the wheels away from the curb and allow the vehicle to move back until the curb side wheel gently touches the curb. Then apply the parking brake.

   HEADED UPHILL OR DOWNHILL, WITHOUT CURB ③

   Turn the wheels toward the side of the road so the vehicle will move away from the center of the road if the vehicle moves. Then apply the parking brake.
4. Place the ignition switch in the "OFF" position.

NOTE:

Use the Idling Stop System when the vehicle is stopped for a period of time, for example waiting at stoplights.

Stop the engine with the ignition switch when parking, etc. for an extended period of time.

TRAILER TOWING

Your vehicle was designed to be used to carry passengers and luggage. NISSAN does not recommend trailer towing, because it places additional loads on your vehicle's engine, drivetrain, steering, braking, and other systems.

CAUTION:

Vehicle damage resulting from towing a trailer is not covered by the warranties.

ELECTRIC POWER STEERING

WARNING:

- **If the engine is not running or is turned off while driving, the power assist for the steering will not work. Steering will be harder to operate.**
- **When the electric power steering warning light illuminates with the engine running, the power assist for the steering will cease operation. You will still have control of the vehicle, but the steering will be much harder to operate.**

The electric power steering is designed to provide power assist while driving to operate the steering wheel with light force.

When the steering wheel is operated repeatedly or continuously while parking or driving at a very low speed, the power assist for the steering wheel will be reduced. This is to prevent overheating of the electric power steering and protect it from getting damaged. While the power assist is reduced, steering wheel operation will become heavy. When the temperature of the electric power steering goes down, the power assist level will return to normal. Avoid repeating such steering wheel operations that could cause the electric power steering to overheat.

You may hear a fricative sound when the steering wheel is operated quickly. However, this is not a malfunction.

If the electric power steering warning light illuminates while the engine is running, it may indicate the electric power steering is not functioning properly and may need servicing. Have the electric power steering checked by a NISSAN dealer. (See "Electric power steering warning light" (P.2-9).)

When the electric power steering warning light illuminates with the engine running, the power assist for the steering will cease operation. You will still have control of the vehicle. However, greater steering effort is needed, especially in sharp turns and at low speeds.

BRAKE SYSTEM

The brake system has two separate hydraulic circuits. If one circuit malfunctions, you will still have braking ability at two wheels.

BRAKE PRECAUTIONS

Vacuum assisted brakes

The brake booster aids braking by using engine vacuum. If the engine stops, you can stop the vehicle by depressing the foot brake pedal. However, greater foot pressure on the foot brake pedal will be required to stop the vehicle. The stopping distance will be longer.

If the engine is not running or is turned off while driving, the power assisted brakes will not function. Braking will be harder.

WARNING:

Do not coast with the engine stopped.

Using brakes

Avoid resting your foot on the foot brake pedal while driving. This will overheat the brakes, wear out the brake linings/pads faster, and increase fuel consumption.

To help reduce brake wear and to prevent the brakes from overheating, reduce speed and downshift to a lower gear before going down a slope or long grade. Overheated brakes may reduce braking performance and could result in loss of vehicle control.

While driving on a slippery surface, be careful when braking, accelerating or downshifting. Abrupt braking or acceleration could cause the wheels to skid and result in an accident.

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Wet brakes

When the vehicle is washed or driven through water, the brakes may get wet. As a result, your braking distance will be longer and the vehicle may pull to one side during braking.

To dry the brakes, drive the vehicle at a safe speed while lightly depressing the brake pedal to heat up the brakes. Do this until the brakes return to normal. Avoid driving the vehicle at high speeds until the brakes function correctly.

Parking brake break-in

Break in the parking brake shoes whenever the stopping effect of the parking brake is weakened or whenever the parking brake shoes and/or drums/rotors are replaced, in order to assure the best braking performance.

This procedure is described in the vehicle service manual and can be performed by a NISSAN dealer.

Driving downhill

The engine braking action is effective for controlling the vehicle while descending hills. The "L" position should be selected prior to descending.

BRAKE ASSIST

When the force applied to the brake pedal exceeds a certain level, the Brake Assist is activated generating greater braking force than a conventional brake booster even with light pedal force.

WARNING:

The Brake Assist is only an aid to assist braking operation and is not a collision warning or avoidance device. It is the driver's responsibility to stay alert, drive safely and be in control of the vehicle at all times.

ANTI-LOCK BRAKING SYSTEM (ABS)

WARNING:

- **The Anti-lock Braking System (ABS) is a sophisticated device, but it cannot prevent accidents resulting from careless or dangerous driving techniques. It can help maintain vehicle control during braking on slippery surfaces. Remember that stopping distances on slippery surfaces will be longer than on normal surfaces even with ABS. Stopping distances may also be longer on rough, gravel or snow covered roads, or if you are using tire chains. Always maintain a safe distance from the vehicle in front of you. Ultimately, the driver is responsible for safety.**
- **Tire type and condition may also affect braking effectiveness.**
  - **— When replacing tires, install the specified size of tires on all four wheels.**
  - **— For detailed information, see "Tires and wheels" (P.8-25).**

The Anti-lock Braking System (ABS) controls the brakes so the wheels do not lock during hard braking or when braking on slippery surfaces. The system detects the rotation speed at each wheel and varies the brake fluid pressure to prevent each wheel from locking and sliding. By preventing each wheel from locking, the system helps the driver maintain steering control and helps to minimize swerving and spinning on slippery surfaces.

Using system

Depress the brake pedal and hold it down. Depress the brake pedal with firm steady pressure, but do not pump the brakes. The ABS will operate to prevent the wheels from locking up. Steer the vehicle to avoid obstacles.

WARNING:

Do not pump the brake pedal. Doing so may result in increased stopping distances.

Self-test feature

The ABS includes electronic sensors, electric pumps, hydraulic solenoids and a computer. The computer has a built-in diagnostic feature that tests the system each time you start the engine and move the vehicle at a low speed in forward or reverse. When the self-test occurs, you may hear a "clunk" noise and/or feel a pulsation in the brake pedal. This is normal and does not indicate a malfunction. If the computer senses a malfunction, it switches the ABS off and illuminates the ABS warning light on the meter. The brake system then operates normally, but without anti-lock assistance.

If the ABS warning light illuminates during the self-test or while driving, have the vehicle checked by a NISSAN dealer.

Normal operation

The ABS operates at speeds above 5 to 10 km/h (3 to 6 MPH). The speed varies according to road conditions.

When the ABS senses that one or more wheels are close to locking up, the actuator rapidly applies and releases hydraulic pressure. This action is similar to pumping the brakes very quickly. You may feel a pulsation in the brake pedal and hear a noise from under the hood or

feel a vibration from the actuator when it is operating. This is normal and indicates that the ABS is operating properly. However, the pulsation may indicate that road conditions are hazardous and extra care is required while driving.

VEHICLE SECURITY

When leaving your vehicle unoccupied:

- Always take the key with you - even when leaving the vehicle in your own garage.
- Close all windows completely and lock all doors.
- Always park your vehicle where it can be seen. Park in a well lit area during the night.
- If the security system is equipped, use it - even for a short period.
- Never leave children or pets in the vehicle unattended.
- Never leave valuables inside the vehicle. Always take valuables with you.
- Never leave the vehicle documents in the vehicle.
- Never leave articles on a roof rack. Remove them from the rack and keep and lock them inside the vehicle.
- Never leave the spare key in the vehicle.

COLD WEATHER DRIVING

WARNING:

- **Whatever the condition, drive with caution. Accelerate and decelerate with great care. If accelerating or decelerating too fast, the drive wheels will lose even more traction.**
- **Allow more stopping distance in cold weather driving. Braking should be started sooner than on dry pavement.**
- **Keep at a greater distance from the vehicle in front of you on slippery roads.**
- **Wet ice (0°C, 32°F and freezing rain), very cold snow and ice can be slick and very difficult to drive on. The vehicle will have a lot less traction or grip under these conditions. Try to avoid driving on wet ice until the road is salted or sanded.**
- **Watch for slippery spots (glaring ice). These may appear on an otherwise clear road in shaded areas. If a patch of ice is seen ahead, brake before reaching it. Try not to brake while actually on the ice, and avoid any sudden steering maneuvers.**
- **Do not use cruise control on slippery roads.**
- **Snow can trap dangerous exhaust gas under your vehicle. Keep snow clear of the exhaust pipe and from around your vehicle.**

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BATTERY

If the battery is not fully charged during extremely cold weather conditions, the battery fluid may freeze and damage the battery. To maintain maximum efficiency, the battery should be checked regularly. For details, see "Battery" (P.8-14) of this manual.

ENGINE COOLANT

If the vehicle is to be left outside without anti-freeze, drain the cooling system, including the engine block. Refill before operating the vehicle. For details, see "Changing engine coolant" (P.8-7) of this manual.

TIRE EQUIPMENT

1. If you have snow tires installed on the front/rear wheels of your vehicle, they should be of the same size, loading range, construction and type (bias, bias-belted or radial) as the rear/front tires.
2. If the vehicle is to be operated in severe winter conditions, snow tires should be installed on all four wheels.
3. For additional traction on icy roads, studded tires may be used. However, some countries, provinces and states prohibit their use. Check local, state and provincial laws before installing studded tires.

   Skid and traction capabilities of studded snow tires, on wet or dry surfaces, may be poorer than that of non-studded snow tires.
4. Snow chains may be used if desired. Make sure they are the proper size for the tires on your vehicle and are installed according to the chain manufacturer's instructions. Use chain tensioners when recommended by the tire chain manufacturer to ensure a tight fit. Loose end links of the tire chains must be secured or removed to prevent the possibility of whipping action damage to the fenders or underbody. In addition, drive at a reduced speed, otherwise, your vehicle may be damaged and/or vehicle handling and performance may be adversely affected.

SPECIAL WINTER EQUIPMENT

It is recommended that the following items be carried in the vehicle during the winter:

- A scraper and stiff-bristled brush to remove ice and snow from the windows.
- A sturdy, flat board to be placed under the jack to give it firm support.
- A shovel to dig the vehicle out of snowdrifts.

PARKING BRAKE

When parking in an area where the outside temperature is below 0°C (32°F), do not apply the parking brake to prevent it from freezing. For safe parking:

- Place the shift lever in the "P" (Park) position.
- Securely block the wheels.

CORROSION PROTECTION

Chemicals used for road surface deicing are extremely corrosive and will accelerate corrosion and the deterioration of underbody components such as the exhaust system, fuel and brake lines, brake cables, floor pan and fenders.

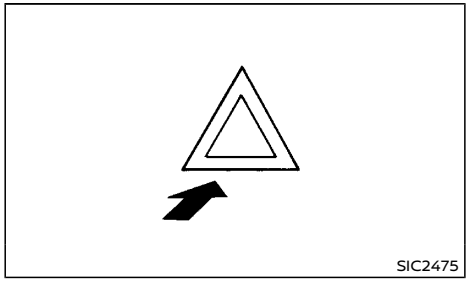
In the winter, the underbody must be cleaned periodically. For additional information, see "Corrosion protection" (P.7-5) of this manual.

For additional protection against rust and corrosion, which may be required in some areas, consult a NISSAN dealer.

MEMO

6 In case of emergency

HAZARD INDICATOR FLASHER SWITCH


SIC2475

The hazard indicator flasher switch operates regardless of the ignition switch position except when the battery is discharged.

The hazard indicator flasher is used to warn other drivers when you have to stop or park under emergency conditions.

When the hazard indicator flasher switch is pushed, all turn signal lights will flash. To turn off the hazard indicator flasher, push the hazard indicator flasher switch again.

FLAT TIRE

If you have a flat tire, follow the instructions as follows.

REPAIRING FLAT TIRE

The emergency tire puncture repair kit is supplied with the vehicle instead of a spare tire. This repair kit must be used for temporarily fixing a minor tire puncture. After using the repair kit, see a NISSAN dealer as soon as possible for tire inspection and repair/replacement.

CAUTION:

- **NISSAN recommends using only Genuine NISSAN Emergency Tire Sealant provided with your vehicle. Other tire sealants may damage the valve stem seal which can cause the tire to lose air pressure.**
- **Do not use the emergency tire puncture repair kit provided with your vehicle on other vehicles.**
- **Do not use the emergency tire puncture repair kit for a purpose other than to inflate and check the tire pressure for the vehicle.**
- **Use the emergency tire puncture repair kit only on DC12V.**
- **Keep water and dust off the emergency tire puncture repair kit.**
- **Do not disassemble or modify the emergency tire puncture repair kit.**
- **Do not galvanize the emergency tire puncture repair kit.**
- **Do not use the emergency tire puncture repair kit under the following conditions. Contact a NISSAN dealer or professional road assistance.**

  — when the sealant has passed its expiration date (shown on the label attached to the bottle)

  — when the cut or the puncture is approximately 4 mm (0.16 in) or longer

  — when the side of the tire is damaged

  — when the vehicle has been driven with a considerable loss of air from the tire

  — when the tire is completely displaced inside or outside the rim

  — when the tire rim is damaged

  — when two or more tires are flat

Stopping vehicle

WARNING:

- **Be sure to apply the parking brake firmly.**
- **Be sure to shift the shift lever to the "P" (Park) position.**
- **Never change tires when the vehicle is on a slope, ice or slippery area. This is hazardous.**
- **Never change tires when the oncoming traffic is close to your vehicle. Call for professional road assistance.**

1. Safely move the vehicle off the road away from traffic.
2. Turn on the hazard indicator flasher lights.
3. Park on a level surface.
4. Apply the parking brake.
5. Shift the shift lever to the "P" (Park) position.
6. Turn off the engine.

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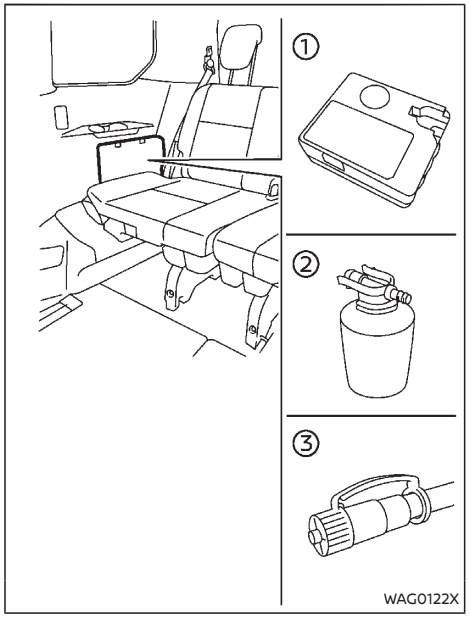
7. Open the hood:
   - To warn other traffic.
   - To signal professional road assistance personnel that you need assistance.
8. Have all passengers get out from the vehicle and stand in a safe place, away from other traffic and clear of the vehicle.

Getting emergency tire puncture repair kit



Take out the emergency tire puncture repair kit located on right side of the third row seat. The repair kit consists of the following items:

① Air compressor*

② Tire sealant bottle

③ Air release cap

*: The compressor shape may differ depending on the models.

NOTE:

This vehicle is not equipped with a spare tire.

Before using emergency tire puncture repair kit

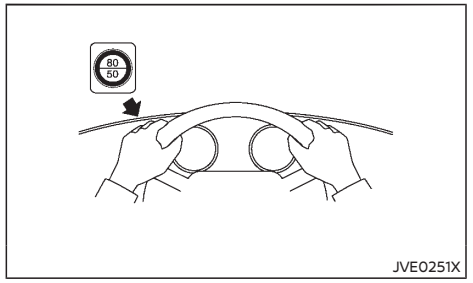
- If any foreign object (for example, a screw or nail) is embedded in the tire, do not remove it.
- Check the expiration date of the sealant (shown on the label attached to the bottle). Never use a sealant whose expiration date has passed.

Repairing tire

WARNING:

Observe the following precautions when using the emergency tire puncture repair kit.

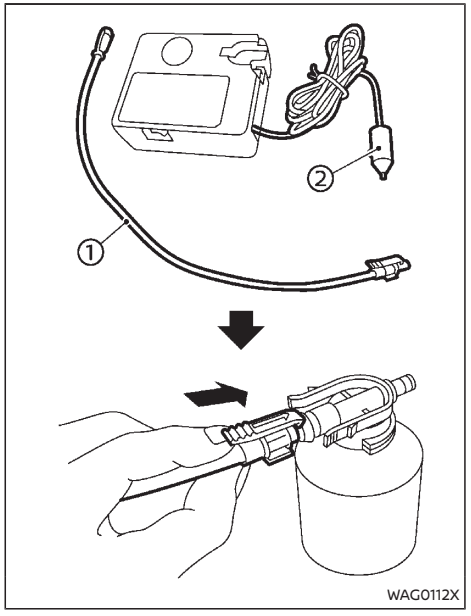
- **Swallowing the compound is dangerous. Immediately drink as much water as possible and seek prompt medical assistance.**
- **Rinse well with lots of water if the compound comes into contact with skin or eyes. If irritation persists, seek prompt medical attention.**
- **Keep the repair compound out of the reach of children.**



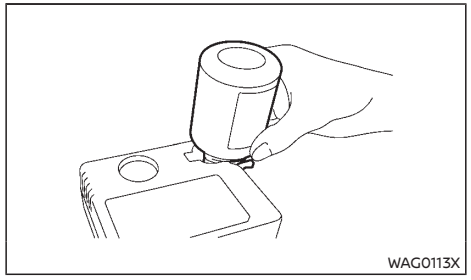
1. Remove the speed restriction sticker from the tire sealant bottle, then put it in a location where the driver can see it while driving.

CAUTION:

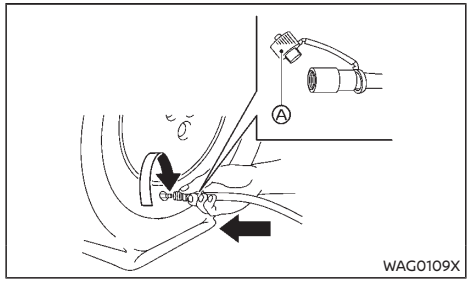
Do not put the speed restriction sticker on the steering wheel pad, the speedometer or the warning light locations.



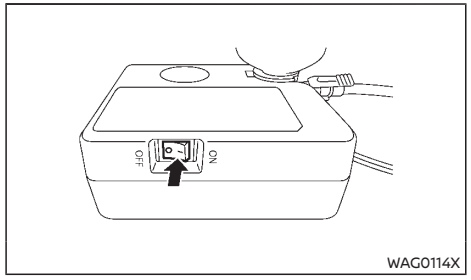
2. Take the hose ① and the power plug ② out of the air compressor. Connect the hose outlet to the tire sealant bottle securely.



3. Set the tire sealant bottle into the air compressor.
4. Remove the cap of the tire valve on the flat tire.



5. Remove the air release cap Ⓐ of the hose and screw the hose securely onto the tire valve. Make sure that the air compressor switch is in the OFF (*) position, and then insert its power plug into the power outlet in the vehicle.
6. Place the power switch in the “ON” position.



7. Turn the compressor switch to the ON (|) position and inflate the tire up to the pressure that is specified on the tire placard affixed to the driver’s side center pillar, or to the minimum of 180 kPa (26 psi). Turn the air compressor off briefly in order to check the tire pressure with the pressure gauge.

   If the tire is inflated to higher than the specified pressure, remove the hose from the tire valve and screw the air release cap into the end of the hose, and then adjust the tire pressure by releasing air with the projection of the cap pressing against the tire valve.

CAUTION:

- **An incomplete connection between the hose and tire valve causes air leakage or sealant scatter.**
- **Do not stand directly beside the damaged tire while it is being inflated because of the risk of the rupture. If there are any cracks or bumps, turn the compressor offimmediately.**

. **There is a possibility that the pressure reaches 600 kPa (87 psi) while the tire is being inflated, but it is normal condition. Usually the pressure will drop in about 30 seconds.**

. **Do not operate the compressor for more than 15 minutes. If the tire pressure does not increase to 180 kPa (26 psi) within 10 minutes, the tire may be seriously damaged and the tire cannot be repaired with this tire puncture repair kit. Contact a NISSAN dealer.**

8. When the tire pressure is reaching the specified pressure or is at the minimum of 180 kPa (26 psi), turn the air compressor off. Remove the power plug from the power outlet and quickly remove the hose from the tire valve. Attach the cap to the tire valve, and attach the air release cap to the hose.
9. Immediately drive the vehicle for 10 minutes or 3 km (2 miles) at a speed of 80 km/h (50 MPH) or less.
10. After driving, check the tire pressure with the pressure gauge.

If the tire pressure drops under 130 kPa (19 psi):

The tire cannot be repaired with this tire puncture repair kit. Contact a NISSAN dealer.

If the tire pressure is 130 kPa (19 psi) or more but less than the specified pressure:

Turn the compressor switch to the ON (|) position and inflate the tire up to the specified pressure. Then repeat the steps from 9.

If the pressure drops again, **the tire cannot be repaired with this tire puncture repair kit.** Contact a NISSAN dealer.

When the tire pressure is the specified pressure:

The temporary repair is completed.

See a NISSAN dealer for tire repair/replacement as soon as possible.

CAUTION:

Do not reuse the tire sealant bottle or the hose.

For a new tire sealant bottle and hose, see a NISSAN dealer.

After repairing tire

See a NISSAN dealer for tire repair/replacement as soon as possible.

JUMP STARTING

WARNING:

- **Incorrect jump starting can lead to a battery explosion. The battery explosion may result in severe injury or death. It may also result in damage to the vehicle. Be sure to follow the instructions in this section.**
- **Explosive hydrogen gas is always present in the vicinity of the battery. Keep all sparks and flames away from the battery.**
- **Always wear suitable eye protection and remove rings, bracelets, and any other jewelry whenever working on or near a battery.**
- **Never lean over the battery while jump starting.**
- **Never allow battery fluid to come into contact with eyes, skin, clothes or the vehicle's painted surfaces. Battery fluid is a corrosive sulfuric acid which can cause severe burns. If the fluid comes into contact with anything, immediately flush the contacted area with plenty of water.**
- **Keep the battery out of the reach of children.**
- **The booster battery must be rated at 12 volts. Use of an incorrectly rated battery will damage your vehicle.**
- **Never attempt to jump start a frozen battery. It could explode and cause serious injury.**

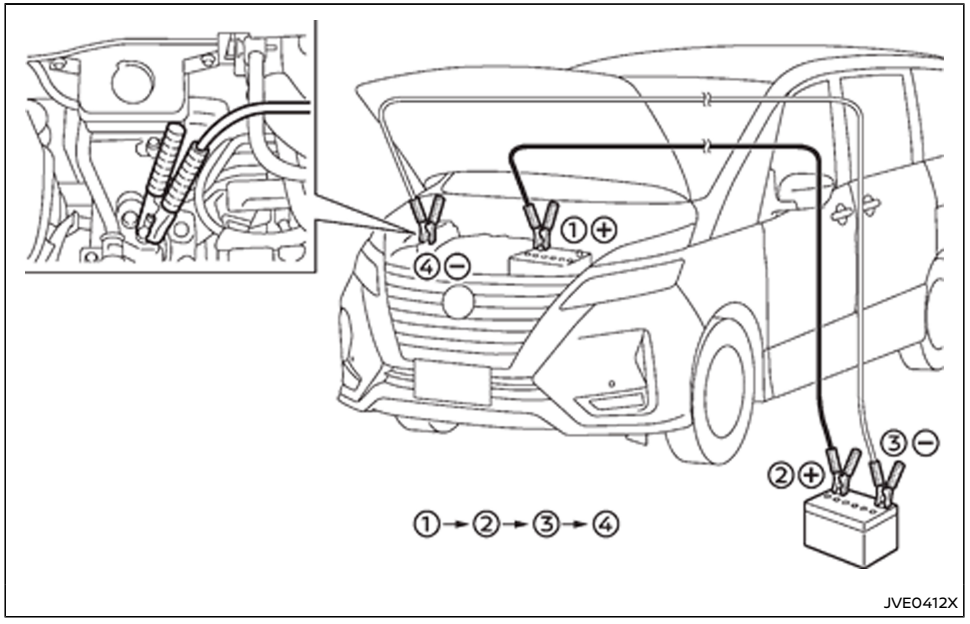
The vehicle has 2 batteries, a main battery and an auxiliary battery. The engine cannot be started if either battery is discharged. First, apply the following procedure to the main battery to jump start the engine.

If the engine does not start, apply the procedure to the auxiliary battery. For the position of the batteries, see "Engine compartment check locations" (P.8-5).

NOTE:

- **Use the special battery that is enhanced in regard to the charge-discharge capacity and life performance. Avoid using a non-special battery for this vehicle as this may cause early deterioration of the battery or a malfunction of the Idling Stop and the S-HYBRID systems. For the battery, it is recommended to use Genuine NISSAN parts. For more information, contact a NISSAN dealer.**
- **It may take some time until the Idling Stop System activates when the battery is replaced or the battery terminal is disconnected for extended periods and then reconnected.**

MAIN BATTERY



1. If the booster battery is in another vehicle, position the two vehicles to bring the batteries into close proximity to each other.

CAUTION:

If the battery is discharged, the ignition switch cannot be moved from the "LOCK" position and, if the steering lock is engaged, the steering wheel cannot be moved. Connect the jumper cables to the booster vehicle before pushing the ignition switch and disengaging the steering lock.

2. Apply the parking brake.
3. Shift the shift lever to the "P" (Park) position.
4. Switch off all unnecessary electrical systems (headlights, heater, air conditioner, etc.).
5. Place the ignition switch in the "LOCK" position.
6. Remove the vent caps, if equipped, on the battery.
7. Cover the battery with a firmly wrung out moist cloth to reduce the hazard of an explosion.
8. Connect the jumper cables in the sequence as illustrated (①, ②, ③, ④).

CAUTION:

- **Always connect positive ⊕ to positive ⊕ and negative ⊖ to body ground, and NOT to the battery's negative ⊖.**
- **Be sure that the jumper cables do not touch moving parts in the engine compartment.**
- **Be sure that the jumper cable's clamps do not contact any other metal.**

9. Start the engine of the booster vehicle and let it run for a few minutes.
10. Depress the accelerator pedal of the booster vehicle at about 2,000 rpm.
11. Start the engine of the jumped vehicle in the normal manner.

CAUTION:

Never keep the starter motor engaged for more than 10 seconds. If the engine does not start right away, place the ignition switch in the "OFF" position and wait at least 10 seconds before trying again.

12. After the engine is started, carefully disconnect the jumper cables in the opposite sequence from that illustrated (④, ③, ②, ①).

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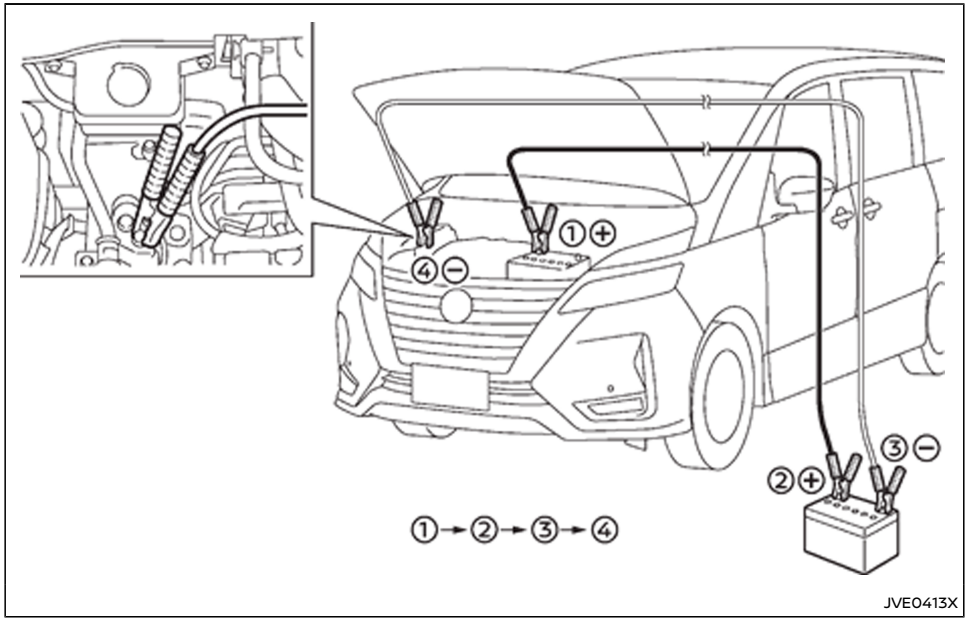
13. Remove and dispose of the cloth as it may be contaminated with corrosive acid.
14. Replace the vent caps, if removed.

NOTE:

If the engine cannot be started after the procedure above, the auxiliary battery may be discharged. Connect the jumper cables to the auxiliary battery.

AUXILIARY BATTERY



1. If the booster battery is in another vehicle, position the two vehicles to bring the batteries into close proximity to each other.

CAUTION:

If the battery is discharged, the ignition switch cannot be moved from the "LOCK" position and, if the steering lock is engaged, the steering wheel cannot be moved. Connect the jumper cables to the booster vehicle before pushing the ignition switch and disengaging the steering lock.

2. Apply the parking brake.
3. Shift the shift lever to the "P" (Park) position.
4. Switch off all unnecessary electrical systems (headlights, heater, air conditioner, etc.).

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5. Place the ignition switch in the "LOCK" position.
6. Remove the vent caps, if equipped, on the battery.
7. Remove the air duct. (See "Engine compartment check locations" (P.8-5).)
8. Cover the battery with a firmly wrung out moist cloth to reduce the hazard of an explosion.
9. Connect the jumper cables in the sequence as illustrated (①, ②, ③, ④).

CAUTION:

- **Always connect positive ⊕ to positive ⊕ and negative ⊖ to body ground, and NOT to the battery's negative ⊖.**
- **Be sure that the jumper cables do not touch moving parts in the engine compartment.**
- **Be sure that the jumper cable's clamps do not contact any other metal.**

10. Start the engine of the booster vehicle and let it run for a few minutes.
11. Depress the accelerator pedal of the booster vehicle at about 2,000 rpm.
12. Start the engine of the jumped vehicle in the normal manner.

CAUTION:

Never keep the starter motor engaged for more than 10 seconds. If the engine does not start right away, place the ignition switch in the "OFF" position and wait at least 10 seconds before trying again.

13. After the engine is started, carefully disconnect the jumper cables in the opposite sequence from that illustrated (④, ③, ②, ①).
14. Remove and dispose of the cloth as it may be contaminated with corrosive acid.
15. Replace the air duct.
16. Replace the vent caps, if removed.

NOTE:

If the engine cannot be started after the procedure above, both the main and the auxiliary batteries may be discharged. Contact a NISSAN dearer or professional road assistance.

PUSH STARTING

Do not attempt to start the engine by pushing the vehicle.

CAUTION:

- **Continuously Variable Transmission (CVT) model cannot be started by pushing. Attempting to do so may cause damage to the transmission.**
- **Three-way catalyst equipped model should not be started by pushing. Attempting to do so may cause damage to the three-way catalyst.**
- **Never try to start the engine by towing. When the engine starts, the forward surge could cause the vehicle to collide with the towing vehicle.**
- **Idling Stop System equipped model cannot be started by pushing the vehicle.**

IF YOUR VEHICLE OVERHEATS

WARNING:

- **Never continue driving if your vehicle overheats. Doing so could cause a vehicle fire.**
- **Never open the hood if steam is coming out.**
- **Never remove the radiator cap or the engine coolant reservoir cap while the engine is hot. If the radiator or coolant reservoir cap is removed when the engine is hot, pressurized hot water will spurt out and possibly cause burning, scalding or serious injury.**
- **If steam or coolant is coming from the engine, stand clear of the vehicle to prevent getting scalded.**
- **The engine cooling fan can start at any time when the coolant temperature exceeds preset degrees.**
- **Be careful not to allow your hands, hair, jewelry or clothing to come into contact with, or to get caught in the cooling fan or drive belts.**

If your vehicle is overheating (indicated by the High Coolant Temp. warning), or if you feel a lack of engine power, detect unusual noise, etc., take the following steps:

1. Safely move the vehicle off the road away from traffic.
2. Turn on the hazard indicator flasher lights.
3. Apply the parking brake.
4. Move the shift lever to the "P" (Park) position.

   DO NOT STOP THE ENGINE.
5. Open all the windows.
6. Turn off the air conditioner. Move the temperature control to maximum hot and the fan control to high speed.
7. Get out from the vehicle.
8. Visually inspect and listen for steam or coolant escaping from the radiator before opening the hood. Wait until no steam or coolant can be seen before proceeding.
9. Open the engine hood.
10. Visually inspect if the cooling fan is running.
11. Visually inspect the radiator and radiator hoses for leakage.

    If the cooling fan is not running or the coolant is leaking, stop the engine.
12. After the engine cools down, check the coolant level in the reservoir with the engine running. **Do not open the radiator cap.**
13. Add coolant to the reservoir if necessary.

Have your vehicle inspected/repaired at a NISSAN dealer.

TOWING YOUR VEHICLE

When towing your vehicle, local regulations for towing must be followed. Incorrect towing equipment could damage your vehicle. To assure proper towing and to prevent accidental damage to your vehicle, NISSAN recommends that you have professional road assistance personnel tow your vehicle. It is advisable to have the professional road assistant carefully read the following precautions.

TOWING PRECAUTIONS

- Be sure that the transmission, steering system and powertrain are in working condition before towing. If any units are damaged, the vehicle must be towed using a dolly or flatbed tow truck.
- NISSAN recommends that your vehicle be towed with the driving wheels off the ground.
- Always attach safety chains before towing.
- Never ride in a vehicle that is being towed.
- Never get under your vehicle after it has been lifted by a tow truck.

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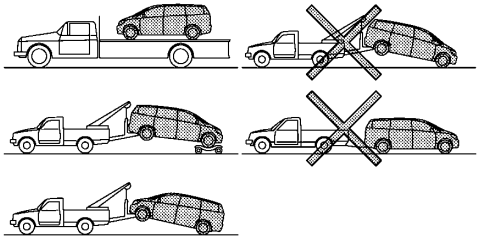
TOWING RECOMMENDED BY NISSAN

Towing Continuously Variable Transmission (CVT) model

Front wheels on the ground:

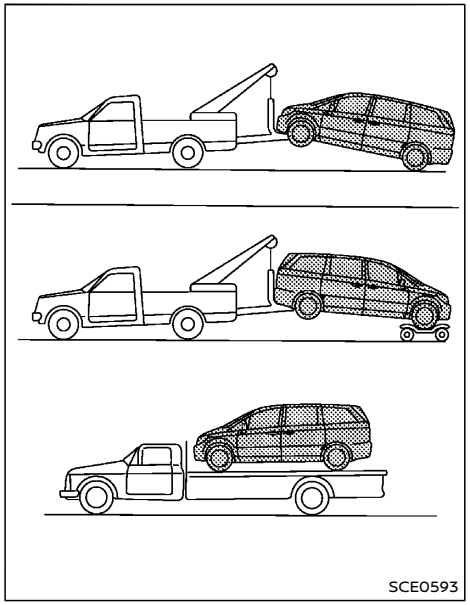


SCE0976

CAUTION:

Never tow Continuously Variable Transmission (CVT) model with the front wheels on the ground. Doing so will cause serious and expensive damage to the transmission. If it is necessary to tow the vehicle, always use a dolly under the front wheels or use a flatbed tow truck.

Rear wheels on the ground:



SCE0593

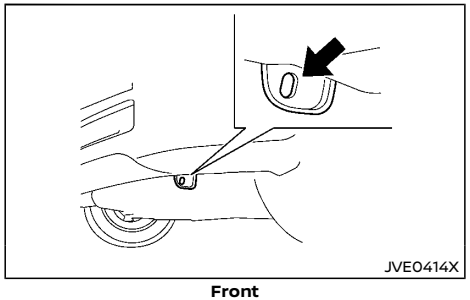
1. Place the ignition switch in the "OFF" position.
2. Release the parking brake.
3. Attach safety chains for all towing.

All four wheels on the ground:

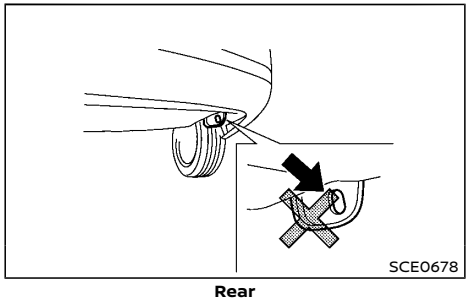
CAUTION:

Never tow CVT model with all four wheels on the ground. Doing so will cause serious and expensive damage to the transmission.

Freeing trapped vehicle



Front



Rear

WARNING:

- **Never allow anyone to stand near the towing line during the pulling operation.**
- **Never spin the tires at high speed. This could cause them to explode and result in serious injury. Parts of the vehicle could also overheat and be damaged.**
- **Do not pull the vehicle using the rear hook. The rear hook is not designed to pull the vehicle out in the event that the vehicle becomes trapped.**

In the event that your vehicle's tires become trapped in sand, snow, or mud, and the vehicle is unable to free itself without being pulled, use the recovery hook.

- Use the recovery hooks only. Do not attach the pulling device to the rear hook or any other part of the vehicle body. Otherwise, the vehicle body may be damaged.
- Use the recovery hooks to free a vehicle only.
- The recovery hooks are under tremendous stress when used to free a trapped vehicle. Always pull the pulling device straight out from the vehicle. Never pull on the recovery hooks at an angle.

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7 Appearance and care

CLEANING EXTERIOR

In order to maintain the appearance of your vehicle, it is important to take proper care of it.

Whenever possible, park your vehicle inside a garage or in a covered area to minimize the chances of damaging the paint surface of your vehicle.

When it is necessary to park outside, park in a shady area or protect the vehicle with a body cover. **Be careful not to scratch the paint surface when putting on or removing the body cover.**

WASHING

In the following instances, wash your vehicle as soon as possible to protect the paint surface:

- After a rainfall, which may cause the paint surface damage from acid rain.
- After driving on coastal roads, which may cause rusting from the sea breeze.
- When contaminants such as soot, bird droppings, tree sap, metal particles or bugs get on the paint surface.
- When dust or mud builds up on the paint surface.

1. Wash the vehicle surface with a wet sponge and plenty of water.
2. Clean the vehicle surface gently and thoroughly using a mild soap, a special vehicle soap or a general purpose dishwashing liquid mixed with clean, lukewarm (never hot) water.

CAUTION:

- **Do not wash the vehicle with strong household soap, strong chemical detergents, gasoline or solvents.**
- **Do not wash the vehicle in direct sunlight or while the vehicle body is hot, as the paint surface may become water-spotted.**
- **Avoid using tight-napped or rough cloths, such as washing mitts. Care must be taken when removing caked-on dirt or other foreign substances so the paint surface is not scratched or damaged.**

3. Rinse the vehicle thoroughly with plenty of clean water.
4. Use a dampened chamois to dry the paint surface and avoid leaving water spots.

When washing the vehicle, take care of the following:

- Inside flanges, joints and folds on the doors, back door and hood are particularly vulnerable to the effects of road salt. Therefore, these areas must be cleaned regularly.
- Be sure that the drain holes in the lower edge of the doors are not clogged.
- Spray water to the underbody and in the wheel wells to loosen the dirt and/or wash away road salt.

REMOVING SPOTS

Remove tar and oil spots, industrial dust, insects, and tree sap as quickly as possible from the paint surface to avoid lasting damage or staining. Special cleaning products are available at a NISSAN dealer or any automotive accessory store.

WAXING

Regular waxing protects the paint surface and helps maintain a new vehicle appearance.

After waxing, polishing is recommended to remove built-up residue and to avoid a weathered appearance.

A NISSAN dealer can assist you in choosing the appropriate waxing products.

CAUTION:

- **Wash your vehicle thoroughly and completely before applying wax to the paint surface.**
- **Always follow the manufacturer's instructions supplied with the wax.**
- **Do not use a wax containing any abrasives, cutting compounds or cleaners that may damage the vehicle finish.**

Machine compounding or aggressive polishing on a base coat/clear coat paint finish may dull the finish or leave swirl marks.

GLASS

Use glass cleaner to remove smoke and dust film from the glass surfaces. It is normal for glass to become coated with a film after the vehicle is parked in the hot sun. Glass cleaner and a soft cloth will easily remove this film.

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UNDERBODY

In areas where road salt is used in the winter, it is necessary to clean the vehicle's underbody regularly in order to prevent dirt and salt from building up and causing the acceleration of corrosion on the underbody and suspension.

Before the winter and again in the spring, the underseal must be checked and, if necessary, re-treated.

WHEELS

- Wash the wheels when washing the vehicle to maintain their appearance.
- Clean the inner side of the wheels when the wheel is changed or the underside of the vehicle is washed.
- Do not use abrasive cleaners when washing the wheels.
- Inspect wheel rims regularly for dents or corrosion. This may cause loss of pressure or damage the tire bead.
- NISSAN recommends that the road wheels be waxed to protect against road salt in areas where it is used during winter.

ALUMINUM ALLOY WHEELS

Wash the wheels regularly with a sponge dampened in a mild soap solution, especially during winter in areas where road salt is used. The salt residue from road salt could discolor the wheels if it is not washed off regularly.

CAUTION:

Follow the directions below to avoid staining or discoloring the wheels:

- **Do not use a cleaner that uses strong acid or alkali contents to clean the wheels.**
- **Do not apply wheel cleaners to the wheels when they are hot. The wheel temperature should be the same as ambient temperature.**
- **Rinse the wheel to completely remove the cleaner within 15 minutes after the cleaner is applied.**

CHROME PARTS

Clean all chrome parts regularly with a non-abrasive chrome polish to maintain the finish.

CLEANING INTERIOR

Occasionally remove loose dust from the interior trim, plastic parts and seats using a vacuum cleaner or soft bristled brush. Wipe the vinyl and leather surfaces with a clean, soft cloth dampened in mild soap solution, then wipe clean with a dry, soft cloth.

Regular care and cleaning is required in order to maintain the appearance of the leather.

Before using any fabric protector, read the manufacturer's recommendations. Some fabric protectors contain chemicals that may stain or bleach the seat material.

Use a soft cloth dampened only with water to clean the meter and gauge lens covers.

CAUTION:

- **Never use benzine, thinner or any similar material.**
- **Small dirt particles can be abrasive and damaging to leather surfaces and should be removed promptly. Do not use saddle soap, car waxes, polishes, oils, cleaning fluids, solvents, detergents or ammonia-based cleaners as they damage the leather natural finish.**
- **Never use fabric protectors unless recommended by the manufacturer.**
- **Do not use glass or plastic cleaner on meter or gauge lens covers. It may damage the lens covers.**

AIR FRESHENERS

Most air fresheners use a solvent that could affect the vehicle interior. If you use an air freshener, take the following precautions:

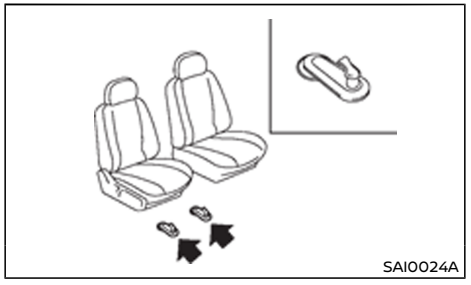
- Hanging-type air fresheners can cause permanent discoloration when they contact vehicle interior surfaces. Place the air freshener in a location that allows it to hang free and not contact an interior surface.
- Liquid-type air fresheners typically clip on the vents. These products can cause immediate damage and discoloration when spilled on interior surfaces.

Carefully read and follow the manufacturer's instructions before using air fresheners.

FLOOR MATS

The use of genuine NISSAN floor mats (if equipped) can extend the life of your vehicle carpet and make it easier to clean the interior. Regardless of what mats are used, be sure they are fitted for your vehicle and are properly positioned in the foot well to prevent interference with pedal operation. Mats should be maintained with regular cleaning and replaced if they become excessively worn.

Floor mat positioning aid



Example

This vehicle includes front floor mat brackets to act as a floor mat positioning aid. NISSAN floor mats have been specially designed for your vehicle model.

Position the mat by placing the floor mat bracket hook through the floor mat grommet hole while centering the mat in the foot area.

Periodically check that the mats are properly positioned.

GLASS

Use glass cleaner to remove smoke and dust film from the glass surfaces. It is normal for glass to become coated with a film after the vehicle is parked in the hot sun. Glass cleaner and a soft cloth will easily remove this film.

CAUTION:

When cleaning the inside of the windows, do not use sharp-edged tools, abrasive cleaners or chlorine-based disinfectant cleaners. They could damage the electrical conductors, such as rear window defogger elements.

Models with front door super UV cut glass

The inside of the front door glass is treated with a UV cut coating. When cleaning the inside of the front door glass, remove dirt, dust, etc. immediately with a soft cloth moistened with cold or warm water.

CAUTION:

To prevent damage or deterioration of the UV cut coating, observe the following.

- **When the front door glass is heavily soiled, do not open or close the window glass.**
- **When cleaning the front door glass, do not use glass cleaners containing polishing compounds (abrasives) or alcohol based cleaners.**
- **Do not clean the window glass using a cloth to which sand, etc. has adhered.**

SEAT BELTS

WARNING:

- **Do not allow wet seat belts to roll up in the retractor.**
- **Never use bleach, dye or chemical solvents to clean the seat belts, since these materials may severely weaken the seat belt webbing.**

The seat belts can be cleaned by wiping them with a sponge dampened in a mild soap solution.

Allow the belts to dry completely in the shade before using them. (See "Seat belts" (P.1-10).)

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CORROSION PROTECTION

MOST COMMON FACTORS CONTRIBUTING TO VEHICLE CORROSION

- The accumulation of moisture-retaining dirt and debris in body panel sections, cavities, and other areas.
- Damage to the paint surface and other protective coatings caused by gravel and stone chips or minor traffic accidents.

ENVIRONMENTAL FACTORS INFLUENCE RATE OF CORROSION

Moisture

The accumulation of sand, dirt and water on the inside floor of the vehicle can accelerate corrosion. Wet floor carpet/floor mats will not dry completely inside the vehicle. They should be removed and completely dried to avoid floor panel corrosion.

Relative humidity

Corrosion will be accelerated in areas of high relative humidity.

Temperature

High temperatures accelerate the rate of corrosion to those parts which are not well ventilated.

Corrosion will also be accelerated in areas where the temperatures stay above freezing.

Air pollution

Industrial pollution, the presence of salt in the air in coastal areas, or heavy road salt use accelerates the corrosion process. Road salt also accelerates the disintegration of paint surfaces.

TO PROTECT YOUR VEHICLE FROM CORROSION

- Wash and wax your vehicle often to keep the vehicle clean.
- Always check for minor damage to the paint surface and if any exists, repair it as soon as possible.
- Keep the drain holes in the lower edge of the doors open to avoid water accumulation.
- Check the vehicle underbody for accumulation of sand, dirt or salt. If present, wash with water as soon as possible.

CAUTION:

- **Never remove dirt, sand or other debris from the passenger compartment by washing it out with a hose. Remove dirt with a vacuum cleaner.**
- **Never allow water or other liquids to come in contact with electronic components inside the vehicle as this may damage them.**

Chemicals used for road surface deicing are extremely corrosive. They accelerate corrosion and deterioration of underbody components such as the exhaust system, fuel and brake lines, brake cables, floor pan and fenders.

In the winter, the underbody must be cleaned periodically.

For additional protection against rust and corrosion, which may be required in some areas, consult a NISSAN dealer.

MEMO

8 Maintenance and do-it-yourself

MAINTENANCE REQUIREMENTS

Some day-to-day and regular maintenance is essential to maintain your vehicle's good mechanical condition, as well as its emission and engine performance.

It is the owner's responsibility to make sure that the specified maintenance, as well as general maintenance, is performed.

As the vehicle owner, you are the only one who can ensure that your vehicle receives the proper maintenance care.

SCHEDULED MAINTENANCE

For your convenience, the required scheduled maintenance items are described and listed in a separate Warranty Information and Maintenance booklet. You must refer to that booklet to ensure that necessary maintenance is performed on your vehicle at regular intervals.

GENERAL MAINTENANCE

General maintenance includes those items which should be checked during normal day-to-day operation of the vehicle. They are essential if your vehicle is to continue to operate properly. It is your responsibility to perform these procedures regularly as prescribed.

Performing general maintenance checks requires minimal mechanical skill and only a few general automotive tools.

These checks and inspections can be done by yourself, a qualified technician, or if you prefer, a NISSAN dealer.

WHERE TO GO FOR SERVICE

If maintenance service is required or your vehicle appears to malfunction, have the systems checked and tuned by an authorised NISSAN dealer.

GENERAL MAINTENANCE

During normal day-to-day operation of the vehicle, general maintenance should be performed regularly as prescribed in this section. If you detect any unusual sounds, vibrations or smells, be sure to check for the cause or have a NISSAN dealer do it promptly. In addition, you should notify a NISSAN dealer if you think that repairs are required.

When performing any checks or maintenance work, closely observe "Maintenance precautions" (P.8-4).

EXPLANATION OF GENERAL MAINTENANCE ITEMS

Additional information on the following items with "*" is found later in this section.

Outside vehicle

The maintenance items listed here should be performed from time to time, unless otherwise specified.

Doors and hood:

Check that all doors and the hood operate smoothly as well as the back door, trunk lid and hatch. Also make sure that all latches lock securely. Lubricate if necessary. Make sure that the secondary latch keeps the hood from opening when the primary latch is released. When driving in areas using road salt or other corrosive materials, check lubrication frequently.

Lights*:

Clean the headlights on a regular basis. Make sure that the headlights, stop lights, tail lights, turn signal lights, and other lights are all operating properly and installed securely. Also check the aim of the headlights.

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Tires*:

Check the pressure with a gauge often and always prior to long distance trips. Adjust the pressure in all tires, including the spare, to the pressure specified.

Check carefully for damage, cuts or excessive wear.

Tire rotation*:

In the case that Two-Wheel Drive (2WD) and front and rear tires are same size; tires should be rotated every 10,000 km (6,000 miles). Tires marked with directional indicators can only be rotated between front and rear. Make sure that the directional indicators point in the direction of wheel rotation after the tire rotation is completed.

In the case that Four-Wheel Drive and All Wheel Drive (4WD/AWD) and front and rear tires are same size; tires should be rotated every 5,000 km (3,000 miles). Tires marked with directional indicators can only be rotated between front and rear. Make sure that the directional indicators point in the direction of wheel rotation after the tire rotation is completed.

In the case that front tires are different size from rear tires; tires cannot be rotated.

The timing for tire rotation may vary according to your driving habits and the road surface conditions.

Tire Pressure Monitoring System (TPMS) transmitter components (if so equipped):

Replace the TPMS transmitter grommet seal, valve core and cap when the tires are replaced due to wear or age.

Wheel alignment and balance:

If the vehicle should pull to either side while driving on a straight and level road, or if you detect uneven or abnormal tire wear, there may be a need for wheel alignment. If the steering wheel or seat vibrates at normal highway speeds, wheel balancing may be needed.

Windshield:

Clean the windshield on a regular basis. Check the windshield at least every six months for cracks or other damage. Repair as necessary.

Wiper blades*:

Check for cracks or wear if not functioning correctly. Replace as necessary.

Inside vehicle

The maintenance items listed here should be checked on a regular basis, such as when performing periodic maintenance, cleaning the vehicle, etc.

Accelerator pedal:

Check the pedal for smooth operation and make sure that the pedal does not catch or require uneven effort. Keep the floor mats away from the pedal.

Brake pedal*:

Check the pedal for smooth operation and make sure that it is the proper distance from the floor mat when depressed fully. Check the brake booster function. Be sure to keep the floor mats away from the pedal.

Parking brake*:

Check the parking brake operation regularly. Check that the lever (if so equipped) or the pedal (if so equipped) has the proper travel. Also make sure that the vehicle is held securely on a fairly steep hill when only the parking brake is applied.

Seat belts:

Check that all parts of the seat belt system (for example, buckles, anchors, adjusters and retractors) operate properly and smoothly, and are installed securely. Check the belt webbing for cuts, fraying, wear or damage.

Steering wheel:

Check for changes in the steering condition, such as excessive play, hard steering or strange noises.

Warning lights and chimes:

Make sure that all warning lights and chimes are operating properly.

Windshield defogger:

Check that the air comes out of the defogger outlets properly and in good quantity when operating the heater or air conditioner.

Windshield wiper and washer*:

Check that the wipers and washer operate properly and that the wipers do not streak.

Under hood and vehicle

The maintenance items listed here should be checked periodically (for example, each time you check the engine oil or refuel).

Battery (except for maintenance free batteries)*:

Check the fluid level in each cell. It should be between the UPPER and LOWER lines. Vehicles operated in high temperatures or under severe conditions require frequent checks of the battery fluid level.

Brake (and clutch) fluid level(s)*:

Make sure that the brake fluid level is between the MAX and MIN lines on the reservoir.

Engine coolant level*:

Check the coolant level when the engine is cold. Make sure that the coolant level is between the MAX and MIN lines on the reservoir.

Engine drive belt(s)*:

Make sure that drive belt(s) is not frayed, worn, cracked or oily.

Engine oil level*:

Check the level after parking the vehicle (on a level ground) and turning off the engine.

Fluid leaks:

Check under the vehicle for fuel, oil, water or other fluid leaks after the vehicle has been parked for a while. Water dripping from the air conditioner after use is normal. If you should notice any leaks or if fuel fumes are evident, check for cause and have it corrected immediately.

Window washer fluid*:

Check that there is adequate fluid in the reservoir.

MAINTENANCE PRECAUTIONS

When performing any inspection or maintenance work on your vehicle, always take care to prevent serious accidental injury to yourself or damage to the vehicle. The following are general precautions which should be closely observed.

WARNING:

- **Park the vehicle on a level surface, apply the parking brake securely and block the wheels to prevent the vehicle from moving. Move the shift lever to the "P" (Park) position.**
- **Be sure the ignition switch is in the "OFF" or "LOCK" position when performing any parts replacement or repairs.**
- **Do not work under the hood while the engine is hot. Always turn off the engine and wait until it cools down.**
- **If you must work with the engine running, keep your hands, clothing, hair and tools away from moving fans, belts and any other moving parts.**
- **It is advisable to secure or remove any loose clothing and any jewelry, such as rings, watches, etc. before working on your vehicle.**
- **If you must run the engine in an enclosed space such as a garage, be sure there is proper ventilation for exhaust gases to escape.**
- **Never get under the vehicle while it is supported by a jack.**
- **Keep smoking materials, flame and sparks away from fuel and the battery.**
- **Never connect or disconnect either the battery or any transistorized component connector while the ignition switch is in the "ON" position.**
- **On gasoline engine models with the Multiport Fuel Injection (MFI) system, the fuel filter and fuel lines should be serviced by a NISSAN dealer because the fuel lines are under high pressure even when the engine is turned off.**
- **Your vehicle is equipped with an automatic engine cooling fan. It may come on at any time without warning, even if the ignition switch is in the "OFF" position and the engine is not running. To avoid injury, always disconnect the negative battery cable before working near the fan.**
- **Always wear eye protection whenever you work on your vehicle.**
- **Never leave the engine or transmission related component harness connector disconnected while the ignition switch is in the "ON" position.**
- **Avoid direct contact with used engine oil and coolant. Improperly disposed engine oil, engine coolant, and/or other vehicle fluids can hurt the environment. Always conform to local regulations for disposal of vehicle fluids.**

This "8. Maintenance and do-it-yourself" section provides instructions regarding only those items which are relatively easy for an owner to perform.

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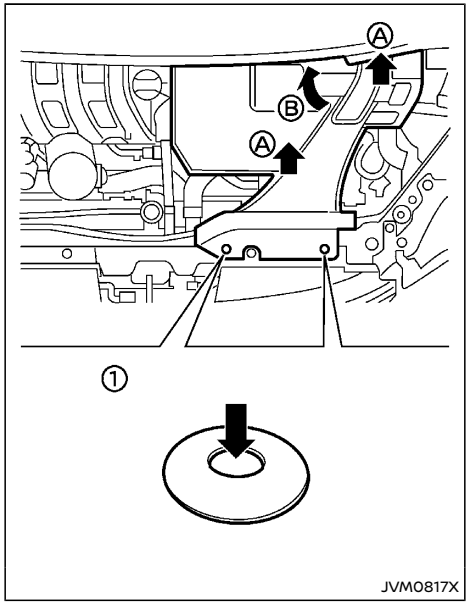
ENGINE COMPARTMENT CHECK LOCATIONS

You should be aware that incomplete or improper servicing may result in operating difficulties or excessive emissions, and could affect your warranty coverage. **If in doubt about any servicing, have it done by a NISSAN dealer.**

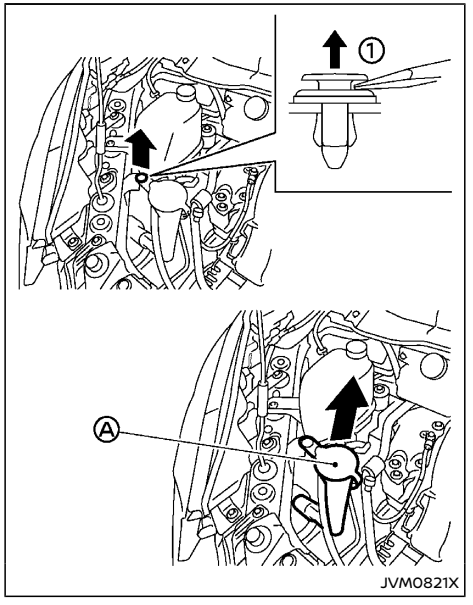


Remove the air duct if necessary.

To remove the air duct:

1. Remove the clips ① with a suitable tool.
2. Pull the air duct upward Ⓐ and then sideways Ⓑ.

To install the air duct, perform the installation procedure in reverse order.



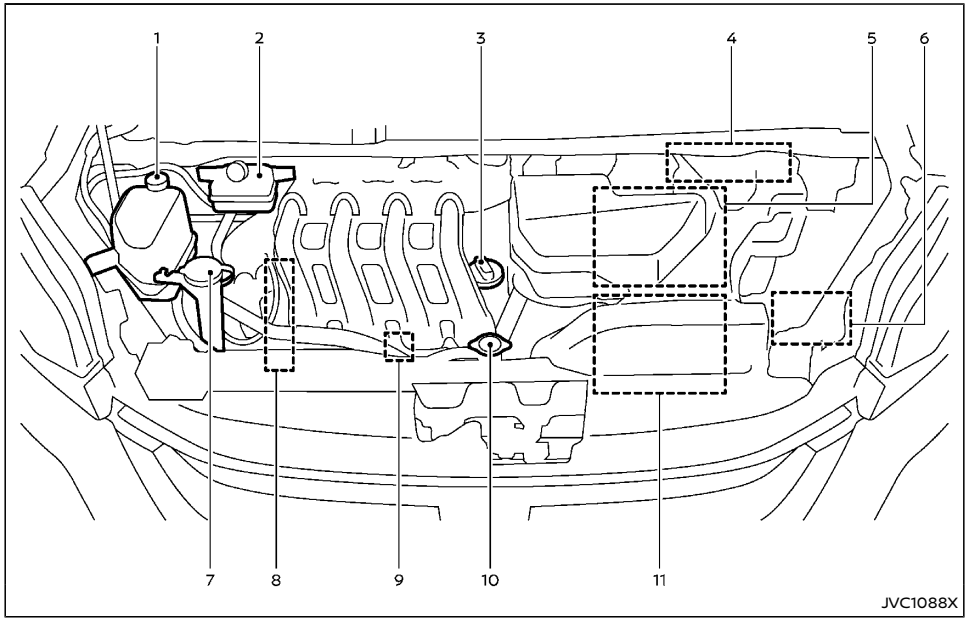
Remove the window washer fluid reservoir if necessary.

To remove the window washer fluid reservoir Ⓐ:

1. Remove the clip ① with a suitable tool.
2. Pull the reservoir sideways and then upward.

To install the reservoir, perform the installation procedure in reverse order.

MR20DD ENGINE MODEL



1. Engine coolant reservoir
2. Brake fluid reservoir
3. Engine oil filler cap
4. Air cleaner
5. Battery (main)
6. Fuse/fusible link holder
7. Window washer fluid reservoir
8. Engine drive belts
9. Engine oil dipstick
10. Radiator cap
11. Battery (auxiliary)

ENGINE COOLING SYSTEM

WARNING:

- **Never remove the radiator or the engine coolant reservoir cap when the engine is hot. Serious burns could be caused by high-pressure fluid escaping from the radiator. Wait until the engine and radiator cool down.**
- **Engine coolant is poisonous and should be stored carefully in marked containers out of the reach of children.**

The engine cooling system is filled at the factory with a high-quality, year-round, anti-freeze coolant solution. The anti-freeze solution contains rust and corrosion inhibitors, therefore additional cooling system additives are not necessary.

CAUTION:

- **Never use any cooling system additives such as radiator sealer. Additives may clog the cooling system and cause damage to the engine, transmission and/or cooling system.**
- **When adding or replacing coolant, be sure to use only Genuine NISSAN Engine Coolant or equivalent in its quality with the proper mixture ratio. Examples of the mixture ratio of coolant and water are shown in the following table:**

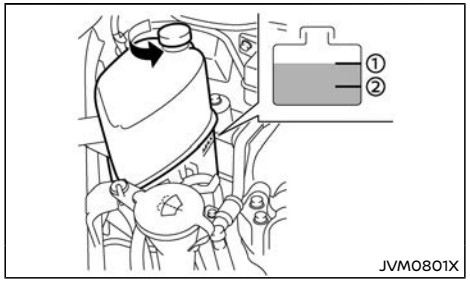
Outside temperature down to		Engine coolant (concentrated)	Demineralized or distilled water
°C	°F		
−15	5	30%	70%
−35	−30	50%	50%

Use Genuine NISSAN Engine Coolant or equivalent in its quality. Genuine NISSAN Engine Coolant is a pre-mixed (mixture ratio 50%) type coolant.

The use of other types of coolant solutions may damage the engine cooling system.

The radiator is equipped with a pressure cap. To prevent engine damage, use only a Genuine NISSAN radiator cap or its equivalent when replacement is required.

CHECKING ENGINE COOLANT LEVEL



Check the coolant level in the reservoir tank when the engine is cold. If the coolant level is below the MIN level ②, add coolant up to the MAX level ①. If the reservoir tank is empty, check the coolant level in the radiator **when the engine is cold.** If there is insufficient coolant in the radiator, fill the radiator with coolant up to the filler opening and also add it to the reservoir tank up to the MAX level ①.

If the cooling system frequently requires coolant, have it checked by a NISSAN dealer.

CHANGING ENGINE COOLANT

Contact a NISSAN dealer if replacement is required.

Major engine cooling system repair should be performed by a NISSAN dealer. The service procedures can be found in the appropriate NISSAN Service Manual.

Improper servicing can result in reduced heater performance and engine overheating.

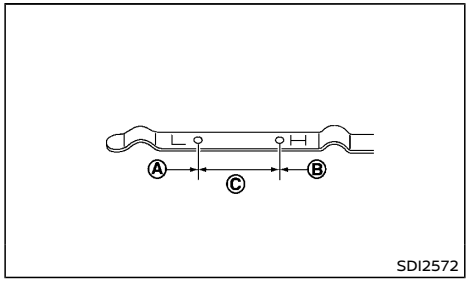
WARNING:

- **To avoid being scalded, never change the coolant when the engine is hot.**
- **Never remove the radiator cap or the engine coolant reservoir cap when the engine is hot. Serious burns could be caused by high pressure fluid escaping from the radiator.**
- **Avoid direct skin contact with used coolant. If skin contact is made, wash thoroughly with soap or hand cleaner as soon as possible.**
- **Keep coolant out of the reach of children and pets.**

Engine coolant must be disposed of properly. Check your local regulations.

ENGINE OIL

CHECKING ENGINE OIL LEVEL



1. Park the vehicle on a level surface and apply the parking brake.
2. Start the engine and warm it up until the engine temperature reaches the normal operating temperature (approximately 5 minutes).
3. Stop the engine.
4. Wait at least 10 minutes for the engine oil to drain back to the oil pan.
5. Remove the dipstick and wipe it clean.
6. Reinsert the dipstick all the way.
7. Remove the dipstick and check the oil level. It should be within the range Ⓒ.
8. If the oil level is below Ⓐ, remove the oil filler cap and pour the recommended oil into the opening. Do not overfill Ⓑ.

   When filling the engine oil, do not remove the dipstick.
9. Recheck the oil level with the dipstick.

   It is normal to add some oil between oil maintenance intervals or during the break-in period, depending on the severity of operating conditions.

CAUTION:

The oil level should be checked regularly. Operating your vehicle with an insufficient amount of oil can damage the engine, and such damage is not covered by the warranty.

CHANGING ENGINE OIL AND OIL FILTER

WARNING:

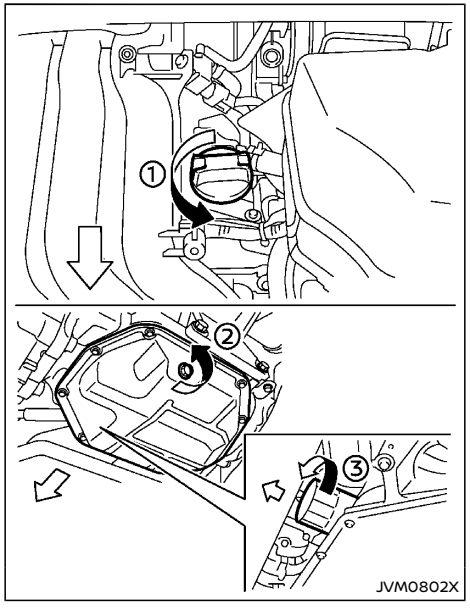
- **Used oil must be disposed of properly. Never pour or dump oil into the ground, canals, rivers, etc. It should be disposed of at proper waste facilities. NISSAN recommends having your oil changed by a NISSAN dealer.**
- **Be careful not to burn yourself, as the engine oil may be hot.**
- **Prolonged and repeated contact with used engine oil may cause skin cancer.**
- **Avoid direct skin contact with used oil. If contacted, wash thoroughly with soap or hand cleaner and plenty of water as soon as possible.**
- **Store used engine oil in marked containers out of the reach of children.**

Vehicle set-up

1. Park the vehicle on a level surface and apply the parking brake.
2. Start the engine and warm it up until the engine temperature reaches the normal operating temperature (approximately 5 minutes).
3. Stop the engine.
4. Wait at least 10 minutes for the engine oil to drain back to the oil pan.
5. Raise and support the vehicle using a suitable floor jack and safety jack stands.
   - Place the safety jack stands under the vehicle jack-up points.
   - A suitable adapter should be attached to the jack stand saddle.

Engine oil and filter

MR20DD engine:



① Oil filler cap
② Oil drain plug
③ Oil filter

1. Place a large drain pan under the drain plug.
2. Remove the drain plug with a wrench.
3. Remove the oil filler cap and completely drain the oil.

   If the oil filter is to be changed, remove and replace it at this time.

CAUTION:

Waste oil must be disposed of properly. Check your local regulations.

4. Loosen the oil filter with an oil filter wrench.
5. Remove the oil filter by turning it by hand.
6. Wipe the engine oil filter mounting surface with a clean cloth.

   Be sure to remove any old gasket remaining on the mounting surface.
7. Apply new engine oil to the gasket of the new oil filter.
8. Screw in the oil filter until a slight resistance is felt and then tighten an additional 2/3 of a turn to secure the filter.

   Oil filter tightening torque:
   15 to 20 N·m
   (1.5 to 2.0 kg-m, 11 to 15 ft-lb)
9. Clean and reinstall the drain plug and new washer. Securely tighten the drain plug with a wrench. Do not use excessive force.

   Drain plug tightening torque:
   29 to 39 N·m
   (3.0 to 4.0 kg-m, 22 to 29 ft-lb)
10. Refill the recommended engine oil and quantity. (See "Recommended fluids/lubricants and capacities" (P.9-2).)

    When filling the engine oil, do not remove

the dipstick.

11. Securely install the oil filler cap.
12. Start the engine.
13. Check the drain plug for any sign of leakage.
14. Dispose of the used oil in the proper manner. Check your local regulations.
15. Check the engine oil level according to the proper procedure. (See "Checking engine oil level" (P.8-7).)

After operation

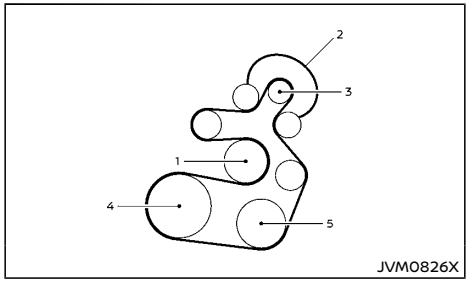
1. Lower the vehicle carefully to the ground.
2. Dispose of waste oil and filter properly.

PROTECT ENVIRONMENT

It is illegal to pollute drains, watercourses and soil. Use authorized waste collection facilities, including civil amenity sites and garages providing facilities for disposal of used oil and used oil filters. If in doubt, contact your local authority for advice on disposal.

The regulations concerning the pollution of the environment will vary from country to country.

DRIVE BELT



1. Water pump
2. Drive belt auto tensioner
3. Starter generator
4. Crankshaft pulley
5. Air conditioner compressor

Be sure the ignition switch is in the "OFF" position.

Visually inspect the belt for signs of unusual wear, cuts, fraying or looseness. Check regularly for condition. If the belt is in poor condition or loose, have it replaced or adjusted by a NISSAN dealer.

SPARK PLUGS

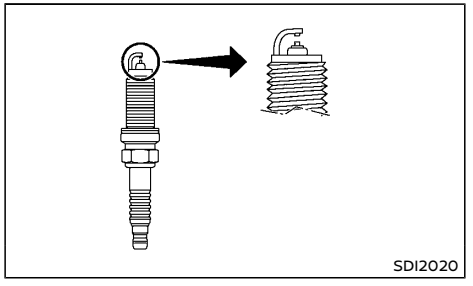
WARNING:

Be sure the engine and ignition switch are off and that the parking brake is applied.

Replace the spark plugs according to the maintenance log shown in a separate maintenance booklet.

If replacement is required, contact a NISSAN dealer.

IRIDIUM-TIPPED SPARK PLUGS



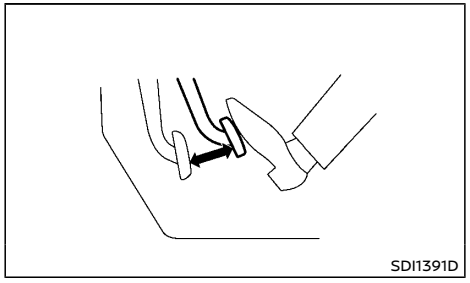
It is not necessary to replace the iridium-tipped spark plugs as frequently as the conventional type of spark plugs. These spark plugs are designed to last much longer than the conventional type of spark plug.

CAUTION:

- **Do not reuse the iridium-tipped spark plugs by cleaning or re-gapping.**
- **Always replace with the recommended iridium-tipped spark plugs.**

BRAKES

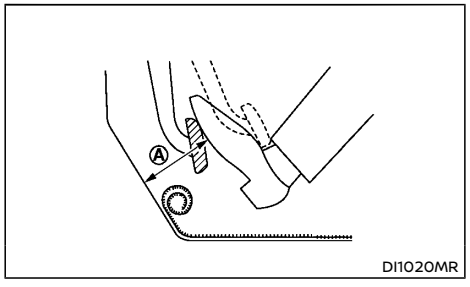
CHECKING PARKING BRAKE



From the released position, depress the parking brake pedal slowly and firmly. If the number of clicks is out of the range listed, see a NISSAN dealer.

5 to 6 clicks
Depressing force 196 N (20 kg, 44 lb)

CHECKING FOOT BRAKE PEDAL



WARNING:

See a NISSAN dealer for a brake system check if the foot brake pedal height does not return to normal.

With the engine running, check the distance between the upper surface of the pedal and the metal floor. If it is out the range listed, see a NISSAN dealer.

Ⓐ: 105 mm (4.1 in) or more
Depressing force
490 N (50 kg, 110 lb)

Self-adjusting brakes

Your vehicle is equipped with self-adjusting brakes. The disc-type brakes self-adjust every time the foot brake pedal is applied.

Brake pad wear warning

The disc brake pads have audible wear warnings. When a brake pad requires replacement, it will make a high pitched scraping sound when the vehicle is in motion. This scraping sound will first occur only when the brake pedal is depressed. After more wear of the brake pad, the sound will always be heard even if the brake pedal is not depressed. Have the brakes checked as soon as possible if the wear warning sound is heard.

Under some driving or climate conditions, occasional brake squeaks, squeals or other noises may be heard. Occasional brake noise during light to moderate stops is normal and does not affect the function or performance of the brake system.

Proper brake inspection intervals should be followed. For additional information, see a separate maintenance booklet.

BRAKE BOOSTER

Check the brake booster function as follows:

1. With the engine off, depress and release the foot brake pedal several times. When the brake pedal movement (distance of travel) remains the same from one pedal application to the next, continue on to the next step.
2. While depressing the foot brake pedal, start the engine. The pedal height should drop a little.
3. With the foot brake pedal depressed, stop the engine. Keep the pedal depressed for about 30 seconds. The pedal height should not change.
4. Run the engine for 1 minute without depressing the foot brake pedal, then turn it off. Depress the foot brake pedal several times. The pedal travel distance will decrease gradually with each depression as the vacuum is released from the booster.

If the brakes do not operate properly, have the brakes checked by a NISSAN dealer.

[Edit: 2017/ 3/ 30 Model: C27-A]

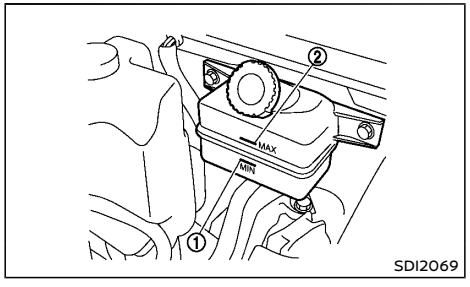
BRAKE FLUID

WARNING:

- **Use only new fluid from a sealed container. Old, inferior, or contaminated fluid may damage the brake system. The use of improper fluids can damage the brake system and affect the vehicle's stopping ability.**
- **Clean the filler cap before removing.**
- **Brake fluid is poisonous and should be stored carefully in marked containers out of the reach of children.**

CAUTION:

Do not spill the fluid on painted surfaces. This will damage the paint. If fluid is spilled, wash it off with plenty of water immediately.



Check the fluid level in the reservoir. If the fluid is below the MIN line ①, the brake warning light will illuminate. Add fluid up to the MAX line ②. (See "Recommended fluids/lubricants and capacities" (P.9-2) for recommended types of fluid.)

If the fluid must be added frequently, the system should be thoroughly checked by a NISSAN dealer.

CONTINUOUSLY VARIABLE TRANSMISSION (CVT) FLUID

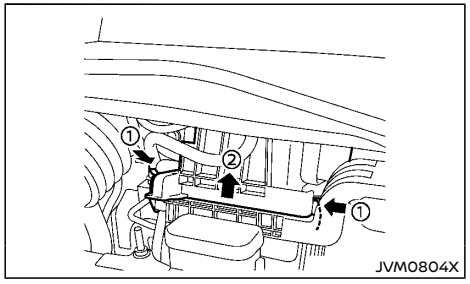
Contact a NISSAN dealer if checking or replacement is required.

CAUTION:

- **Use only Genuine NISSAN CVT Fluid NS-3. Do not mix with other fluids.**
- **Using transmission fluid other than Genuine NISSAN CVT Fluid NS-3 will damage the CVT, which is not covered by the warranty.**

[Edit: 2017/ 3/ 30 Model: C27-A]

AIR CLEANER FILTER



WARNING:

Operating the engine with the air cleaner filter off can cause you or others to be burned. The air cleaner filter not only cleans the intake air, it also stops flame if the engine backfires. If the air cleaner filter is not installed and the engine backfires, you could be burned. Never drive with the air cleaner filter off. Be cautious working on the engine when the air cleaner filter is off.

To remove the filter, unlatch the retaining clips ①, and pull the cover ② upward.

The viscous paper type filter element should not be cleaned and reused. The dry paper type filter element may be cleaned and reused. Replace the air filter according to the maintenance log shown in a separate maintenance booklet.

When replacing the air filter, wipe the inside of the air cleaner housing and the cover with a damp cloth.

WIPER BLADES

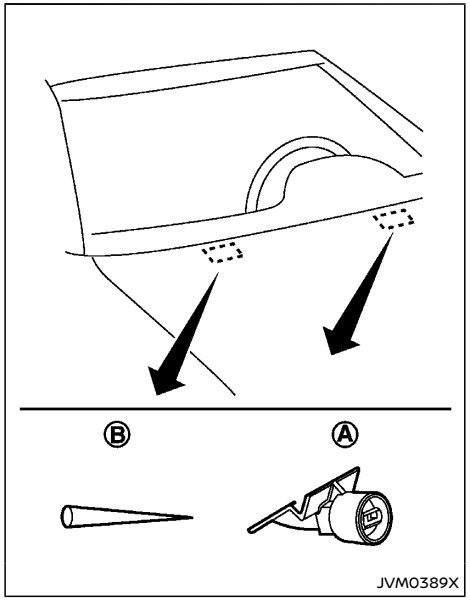
WINDSHIELD WIPER BLADES

Cleaning

If the windshield does not become clear after using the windshield washer or if the wiper blades chatter when operating the windshield wipers, wax or other materials may be on the windshield and/or wiper blades.

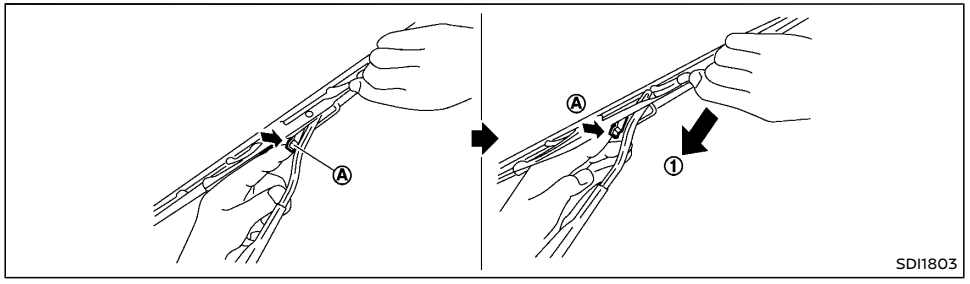
Clean the outside of the windshield surface with a washer solution or mild detergent. Your windshield is clean if beads do not form when rinsing with water.

Clean the blade by wiping it with a cloth soaked in a washer solution or a mild detergent. Rinse the blade with water. If your windshield is still not clear after cleaning the blades and using the wipers, replace the blades.



Be careful not to clog the washer nozzle Ⓐ. This may cause improper windshield washer operation. If the nozzle is clogged, remove any objects with a needle or small pin Ⓑ. Be careful not to damage the nozzle.

Replacing



Replace the wiper blades if they are worn.

1. Lift the wiper arm away from the windshield.

   When lifting the wiper arm, lift the driver's side first, then the passenger's side. Otherwise, the wiper blades may be scratched and may cause damage.

2. Push and hold the release tab Ⓐ, and then move the wiper blade down the wiper arm to remove ①.
3. Remove the wiper blade.
4. Insert the new wiper blade onto the wiper arm until it clicks into place.

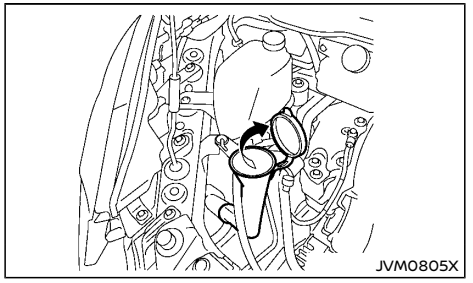
CAUTION:

- **After wiper blade replacement, return the wiper arm to its original position. Otherwise the wiper arm or the engine hood may be scratched and may cause damage when the engine hood is opened.**
- **Worn wiper blades can damage the windshield and impair driver vision.**

REAR WINDOW WIPER BLADE

Contact a NISSAN dealer if checking or replacement is required.

WINDOW WASHER FLUID



WARNING:

Anti-freeze is poisonous and should be stored carefully in marked containers out of the reach of children.

To fill the window washer fluid reservoir, lift the cap and pour the window washer fluid into the reservoir opening.

Add a washer solvent to the water for better cleaning. In the winter season, add a window washer anti-freeze. Follow the manufacturer's instructions for the mixture ratio.

BATTERY

Caution symbols for battery			⚠ WARNING
①		No smoking, No exposed flames, No sparks	Never smoke around battery. Never expose battery to open flames or electrical sparks.
②		Shield eyes	Handle the battery cautiously. Always wear eye protection glasses to protect against explosion or battery acid.
③		Keep away from children	Never allow children to handle battery. Keep the battery out of the reach of children.
④		Battery acid	Do not allow battery fluid to contact your skin, eyes, fabrics, or painted surfaces. After handling the battery or battery cap, immediately wash your hands thoroughly. If the battery fluid gets into your eyes, or onto your skin or clothing, flush with water immediately for at least 15 minutes and seek medical attention. Battery fluid is acid. If the battery fluid gets into your eyes or onto your skin, it could cause loss of your eyesight or burns.
⑤		Note operating instructions	Before handling the battery, read this instruction carefully to ensure correct and safe handling.
⑥		Explosive gas	Hydrogen gas, generated by battery fluid, is explosive.

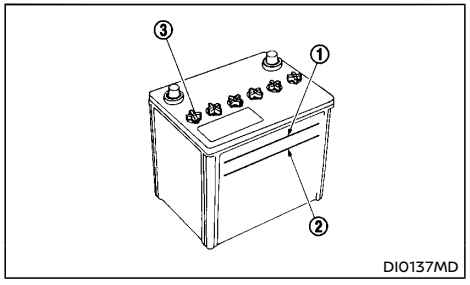
SDI1573

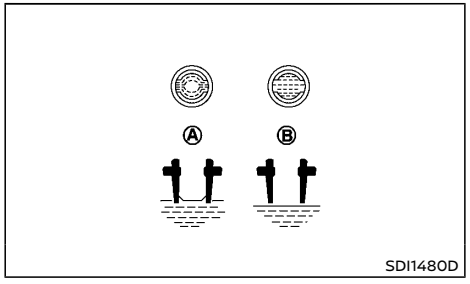
VEHICLE BATTERY

WARNING:

Do not operate the vehicle if the fluid in the battery is low. Low battery fluid can cause a higher load on the battery which can generate heat, reduce battery life, and in some cases lead to an explosion.

Checking battery fluid level





Check the fluid level in each cell. The battery fluid level should be between the UPPER LEVEL ① and LOWER LEVEL ② lines.

If it is necessary to add fluid, add only demineralized/distilled water to bring the level to the indicator in each filler opening. Do not overfill.

1. Remove the cell plugs ③ (if equipped) using a suitable tool.
2. Add demineralized/distilled water up to the UPPER LEVEL ① line.

   If the side of the battery is not clear, check the distilled water level by looking directly above the cell; the condition Ⓐ indicates OK and the condition Ⓑ needs more to be added.
3. Replace and tighten the cell plugs.

- Vehicles operated in high temperatures or under severe conditions require frequent checks of the battery fluid level.
- Keep the battery surface clean and dry. Clean the battery with a solution of baking soda and water.
- Make certain the terminal connections are clean and securely tightened.
- If the vehicle is not to be used for more than 30 days, disconnect the negative (–) battery terminal cable to prevent battery discharge.

Jump starting

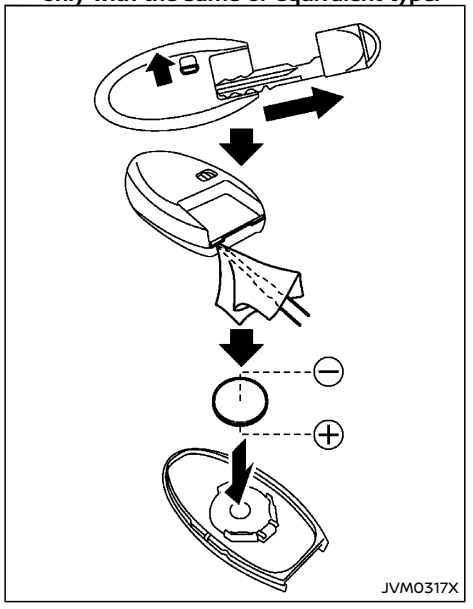
If jump starting is necessary, see "Jump starting" (P.6-6). If the engine does not start by jump starting or the battery does not charge, the battery may have to be replaced. Contact a NISSAN dealer for replacing the battery.

INTELLIGENT KEY BATTERY

Battery replacement

CAUTION:

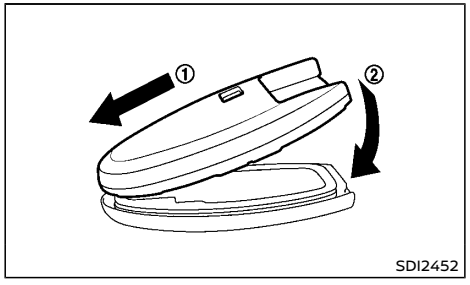
- **Be careful not to allow children to swallow the battery and removed parts.**
- **An improperly disposed battery can harm the environment. Always confirm local regulations for battery disposal.**
- **When changing batteries, do not let dust or oil get on the components.**
- **There is danger of explosion if the lithium battery is incorrectly replaced. Replace only with the same or equivalent type.**



To replace the battery:

1. Release the lock knob at the back of the key and remove the mechanical key. (See "Mechanical key" (P.3-2).)
2. Insert a flat-blade screwdriver wrapped with a cloth into the slit of the corner and twist it to separate the upper part from the lower part.
3. Replace the battery with a new one.
   - Recommended battery: CR2032 or equivalent

- Do not touch the internal circuit and electric terminals as doing so could cause a malfunction.
- Make sure that the ⊕ side faces the bottom of the case.



4. Align the tips of the upper and lower parts ①, and then push them together until it is securely closed ②.
5. Operate the buttons to check its operation.

See a NISSAN dealer if you need assistance for replacement.

VARIABLE VOLTAGE CONTROL SYSTEM (if equipped)

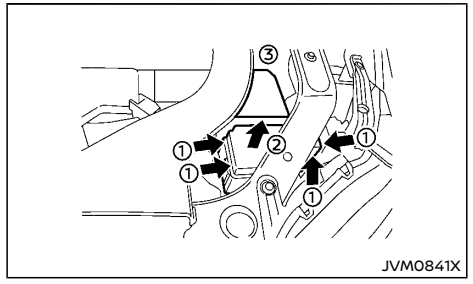
The variable voltage control system measures the amount of electrical discharge from the battery and controls voltage generated by the alternator.

CAUTION:

- **Do not ground accessories directly to the battery terminal. Doing so will bypass the variable voltage control system and the vehicle battery may not charge completely.**
- **Use electrical accessories with the engine running to avoid discharging the vehicle battery.**

FUSES

ENGINE COMPARTMENT



CAUTION:

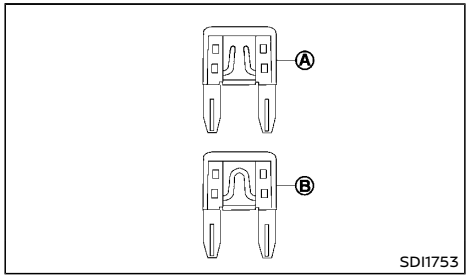
Never use a fuse of a higher or lower amperage rating than that specified on the fuse box cover. This could damage the electrical system or cause a fire.

If any electrical equipment does not operate, check for an open fuse.

1. Be sure the ignition switch and headlight switch are in the "OFF" position.
2. Open the engine hood and remove the fuse/fusible link holder cover by pushing the tabs ① and lifting the cover ②.

   The holder ③ also contains the fuses. For checking and/or replacing, see a NISSAN dealer.
3. Locate the fuse which needs to be replaced.
4. Remove the fuse using the fuse puller located in the passenger compartment fuse box.

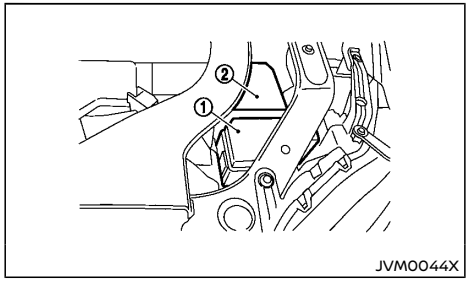
[Edit: 2017/ 3/ 30 Model: C27-A]



5. If the fuse is open Ⓐ, replace it with a new fuse Ⓑ.

   If the new fuse also opens after installing, have the electrical system checked, and if necessary repaired, by a NISSAN dealer.

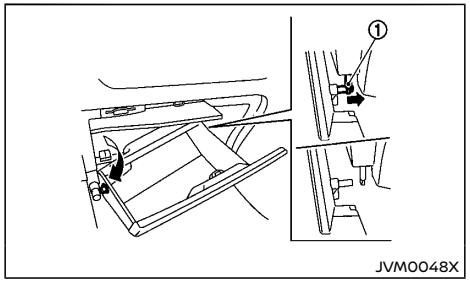
Fusible links

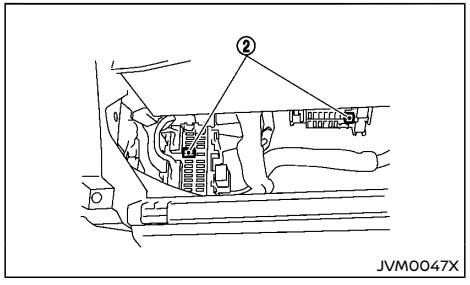


If any electrical equipment does not operate and the fuses are in good condition, check the fusible links in the holders ①, ② and battery terminals. If any of these fusible links are melted, replace only with genuine NISSAN parts.

For checking and replacing the fusible links in fusible link holder ② and battery terminals, see a NISSAN dealer.

PASSENGER COMPARTMENT





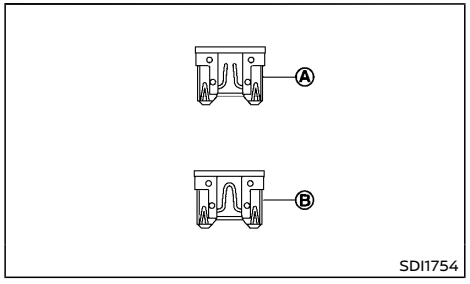
CAUTION:

Never use a fuse of a higher or lower amperage rating than that specified on the fuse box cover. This could damage the electrical system or cause a fire.

If any electrical equipment does not operate, check for an open fuse.

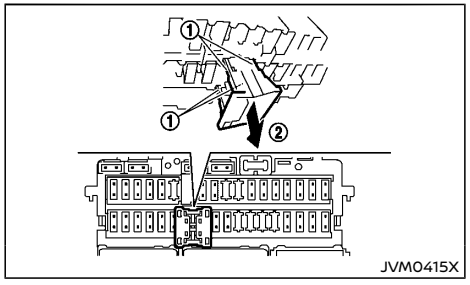
1. Be sure the ignition switch and headlight switch are in the "OFF" position.
2. Open the glove box and pull the pin ①.
3. Remove the glove box.
4. Locate the fuse which needs to be replaced.
5. Remove the fuse using the fuse puller ② located in the fuse block.
6. If the fuse is open Ⓐ, replace it with a new fuse Ⓑ.

   If the new fuse also opens after installing, have the electrical system checked, and if necessary repaired, by a NISSAN dealer.



7. Install the glove box properly.

Extended storage fuse switch



Example

To reduce battery drain, the extended storage fuse switch comes from the factory switched off. Prior to delivery of your vehicle, the switch is pushed in (switched on) and should always remain on.

If any electrical equipment does not operate, remove the extended storage fuse switch and push it in again.

NOTE:

If the extended storage fuse switch malfunctions, see a NISSAN dealer.

How to remove the extended storage fuse switch:

1. To remove the extended storage fuse switch, be sure the ignition switch is in the "OFF" or "LOCK" position.
2. Be sure the headlight switch is in the "OFF" position.
3. Remove the fuse box cover.
4. Pinch the locking tabs ① found on each side of the extended storage fuse switch.
5. Pull the extended storage fuse switch straight out from the fuse box ②.

LIGHTS

HEADLIGHTS

LED headlight

If replacement is necessary, see a NISSAN dealer.

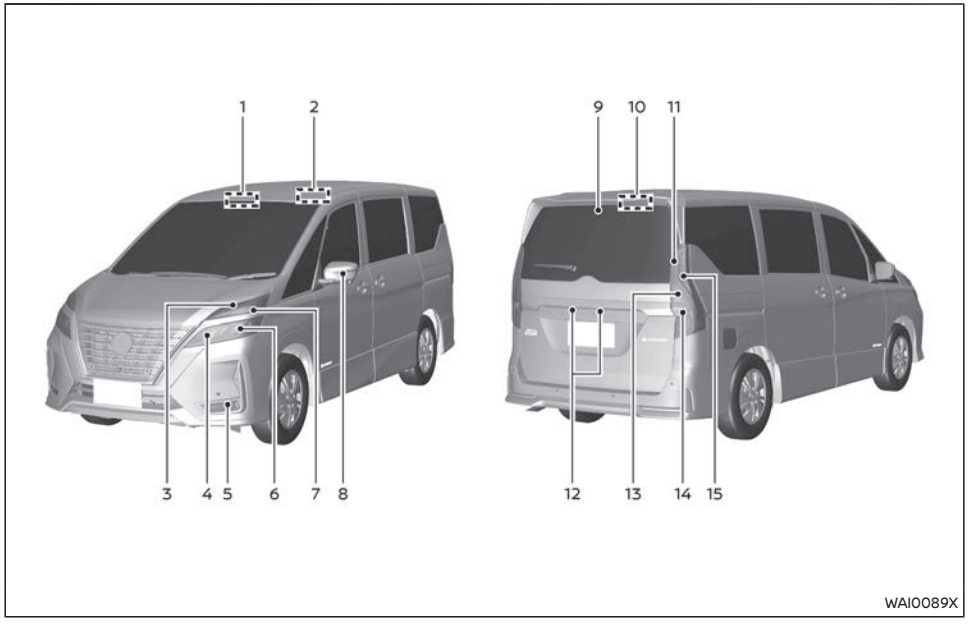
Halogen headlight bulb

The halogen headlight is a semi-sealed beam type which uses replaceable headlight (halogen) bulbs. They can be replaced from inside the engine compartment without removing the headlight assembly.

CAUTION:

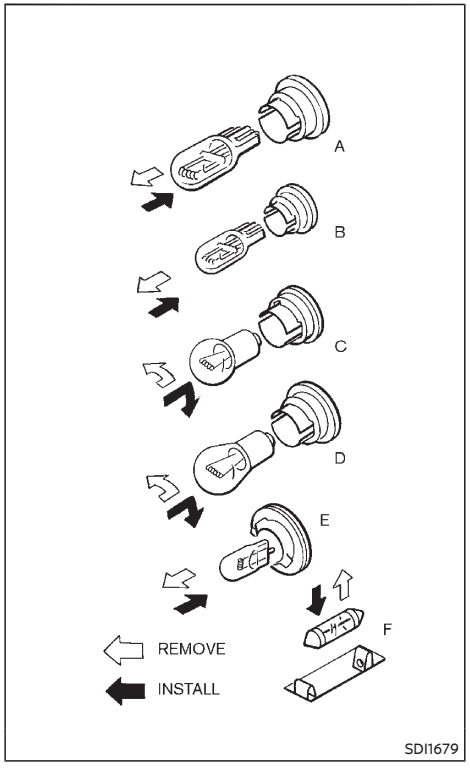
High-pressure halogen gas is sealed inside the bulb. The bulb may break if the glass envelope is scratched or the bulb is dropped.

LIGHT LOCATIONS



1. Front map lights
2. Room lights
3. Clearance lights
4. Headlights (high beam)
5. Fog lights
6. Headlights (low beam)
7. Front turn signal lights
8. Side turn signal lights
9. High-mounted stop light
10. Luggage room light
11. Tail lights
12. License plate lights
13. Turn signal lights
14. Reverse lights
15. Stop lights

Replacement procedures

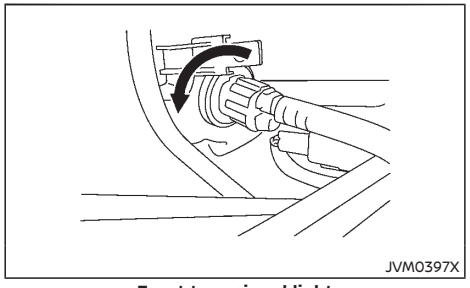


[Edit: 2020/ 10/ 6 Model: HC27-A]

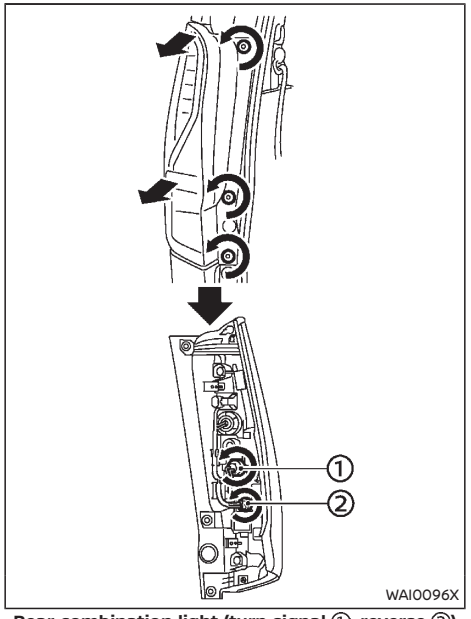
⇨: REMOVE

➡: INSTALL

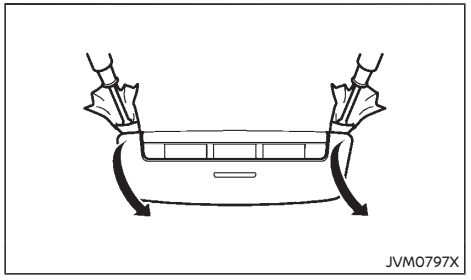
All other lights are either type A, B, C, D, E or F. When replacing a bulb, first remove the lens and/or cover.



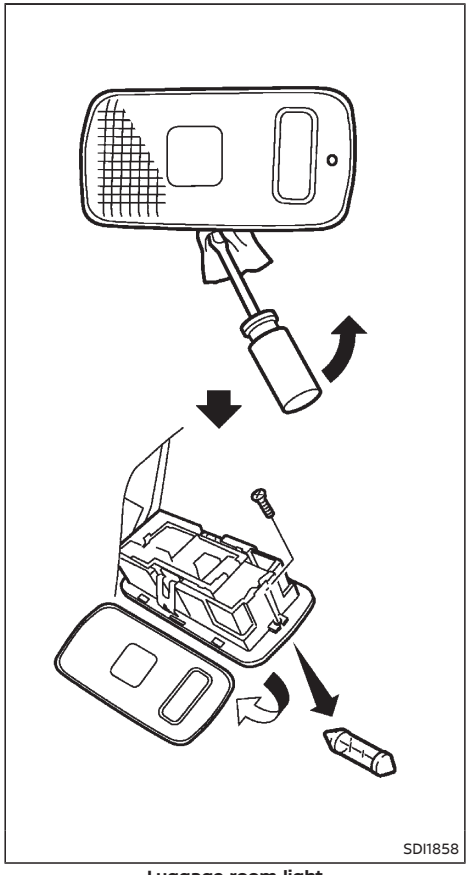
Front turn signal light



Rear combination light (turn signal ①, reverse ②)



Map/Room light



Luggage room light

TIRES AND WHEELS

If you have a flat tire, see “Flat tire” (P.6-2).

TIRE INFLATION PRESSURE

Periodically check the pressure of the tires, including the spare. An incorrect tire pressure may adversely affect tire life and vehicle handling. The tire pressure should be checked when tires are COLD. Tires are considered COLD after the vehicle has been parked for 3 or more hours, or driven less than 1.6 km (1 mile). COLD tire pressures are shown on the tire placard.

Insufficient pressure can lead to an overheating of the tire and subsequent internal damage. At high speeds, this could result in tread separation and even bursting of the tire.

TYPES OF TIRES

CAUTION:

When changing or replacing tires, be sure all four tires are of the same type (that is, summer, all season or snow) and construction. A NISSAN dealer may be able to help you with information about tire type, size, speed rating and availability.

Replacement tires may have a lower speed rating than the factory equipped tires, and they may not match the potential maximum vehicle speed. Never exceed the maximum speed rating of the tire.

All season tires

NISSAN specifies all season tires on some models to provide good performance all year, including snowy and icy road conditions. All season tires are identified by ALL SEASON and/or M&S on the tire sidewall. Snow tires have better snow traction than all season tires and may be more appropriate in some areas.

Summer tires

NISSAN specifies summer tires on some models to provide superior performance on dry roads. Summer tire performance is substantially reduced in snow and ice. Summer tires do not have the tire traction rating M&S on the tire sidewall.

If you plan to operate your vehicle in snowy or icy conditions, NISSAN recommends the use of snow or all season tires on all four wheels.

Snow tires

If snow tires are needed, it is necessary to select tires equivalent in size and load rating to the original equipment tires. If you do not, it can adversely affect the safety and handling of your vehicle.

Generally, snow tires have lower speed ratings than factory equipped tires and may not match the potential maximum vehicle speed. Never exceed the maximum speed rating of the tire. If you install snow tires, they must be the same size, brand, construction and tread pattern on all four wheels.

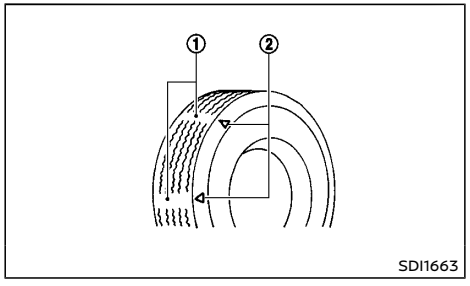
For additional traction on icy roads, studded tires may be used. However, some states and provinces prohibit their use. Check local, state and provincial laws before installing studded tires. Skid and traction capabilities of studded snow tires on wet or dry surfaces may be poorer than that of non-studded snow tires.

NISSAN recommends that tires be rotated every 10,000 km (6,000 miles). However, the timing for tire rotation may vary according to your driving habits and the road surface conditions. (See "Flat tire" (P.6-2) for the tire replacement.)

WARNING:

- **After rotating the tires, adjust the tire pressure.**
- **Retighten the wheel nuts when the vehicle has been driven for 1,000 km (600 miles) (also in cases of a flat tire, etc.).**
- **Incorrect tire selection, fitting, care, or maintenance can affect vehicle safety with risk of accident and injury. If in doubt, consult a NISSAN dealer or the tire manufacturer.**

TIRE WEAR AND DAMAGE



① Wear indicator

② Wear indicator location marks. The locations are shown by " △ ", "TWI", etc. depending on tire types.

Tires should be periodically inspected for wear, cracking, bulging or objects caught in the tread. If excessive wear, cracks, bulging or deep cuts are found, the tire should be replaced immediately.

The original tires have a built-in tread wear indicator. When the wear indicator is visible, the tire should be replaced.

TIRE AGE

Never use a tire over six years old, regardless of whether it has been used or not.

Tires degrade with age as well as with the vehicle usage. Have your tires checked and balanced often by a repair shop or, if you prefer, a NISSAN dealer.

CHANGING TIRES AND WHEELS

WARNING:

Do not install a deformed wheel or tire even if it has been repaired. Such wheels or tires could have structural damage and could fail without warning.

When replacing a tire, use the same size, speed rating and load carrying capacity as originally equipped. (See "Tires and wheels" (P.9-5) for recommended types and sizes of tires and wheels.) The use of tires other than those recommended or the mixed use of tires of different brands, construction (bias, bias-belted, or radial), or tread patterns can adversely affect the ride, braking, handling, ground clearance, body-to-tire clearance, snow chain clearance, speedometer calibration, headlight aim and bumper height. Some of these effects may lead to accidents and could result in serious personal injury.

If the wheels are changed for any reason, always replace with wheels which have the same offset dimension. Wheels of a different offset could cause early tire wear, possibly degraded vehicle handling characteristics and/or interference with the brake discs/drums. Such interference can lead to decreased braking efficiency and/or early brake pad/shoe wear.

WHEEL BALANCE

Unbalanced wheels may affect vehicle handling and tire life. Even with regular use, wheels can get out of balance. Therefore, they should be balanced as required.

JACKING UP VEHICLE AND REPLACING TIRES

This section provides the information about the vehicle jack-up procedures and the tire replacement.

You can temporarily fix a minor tire puncture using the emergency tire puncture repair kit. (See "Repairing flat tire" (P.6-2).)

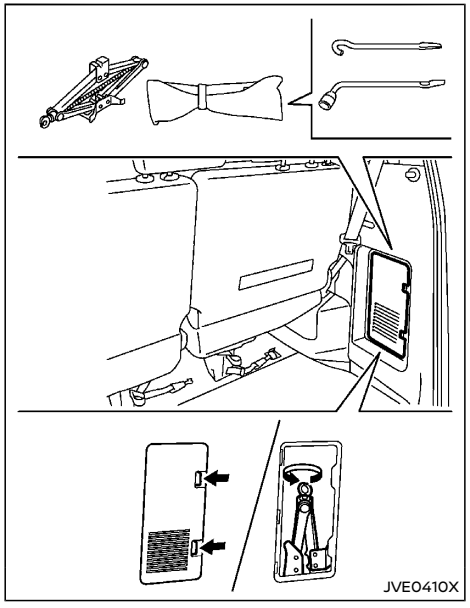
WARNING:

- **Be sure to apply the parking brake firmly.**
- **Be sure to move the shift lever to the "P" (Park) position.**
- **Never change tires when the vehicle is on a slope, ice or slippery area. This is hazardous.**
- **Never change tires when the oncoming traffic is close to your vehicle. Call for professional road assistance.**

NOTE:

This vehicle is not equipped with a spare tire.

Preparing tools

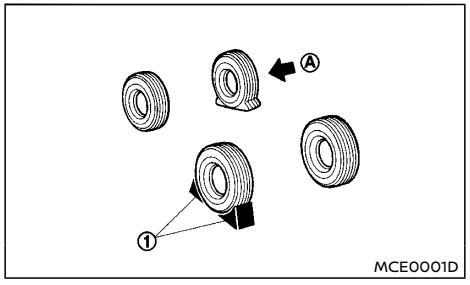


Open the back door.

Remove the third row center head restraint from the storage area. (See "Removing or stowing the head restraint (third row center seat)" (P.1-9).)

Unhook the clip restraining the jack and tool kit, and then remove the jack and tools from the storage area.

Blocking wheels



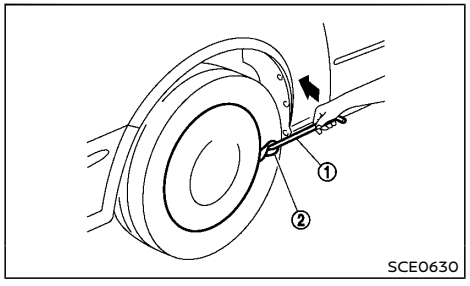
WARNING:

Be sure to block the appropriate wheel to prevent the vehicle from moving, which may cause personal injury.

Place suitable blocks ① at both the front and back of the wheel diagonally opposite the flat tire Ⓐ to prevent the vehicle from moving when it is jacked up.

Removing tire

Removing wheel cover (if equipped):



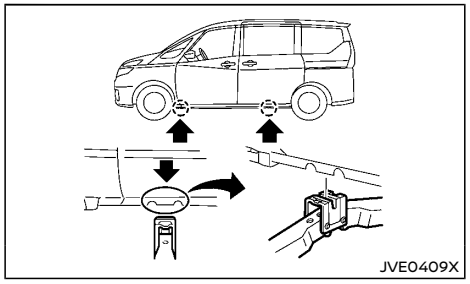
WARNING:

Never use your hands to remove the wheel cover. This may cause personal injury.

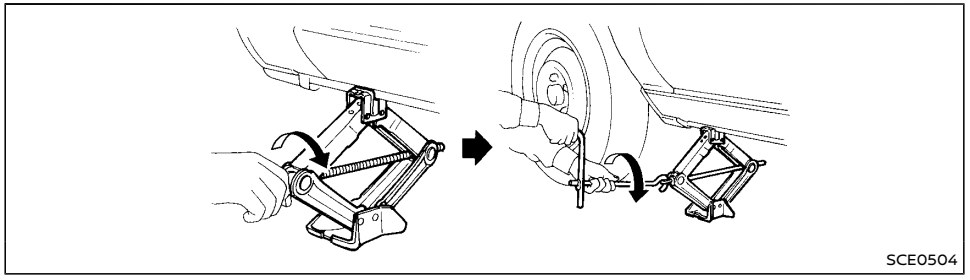
To remove the wheel cover, use the jack rod ① as illustrated.

Apply cloth ② between the wheel and jack rod to prevent damaging the wheel and wheel cover.

Jacking up vehicle:



Jack-up points


SCE0504

WARNING:

- **Be sure to read and follow the instructions in this section.**
- **DO NOT GET UNDER A VEHICLE THAT IS SUPPORTED BY A JACK.**
- **Never use a jack which is not provided with your vehicle.**
- **The jack, which is provided with your vehicle, is designed only to lift your vehicle during a tire change. Do not use the jack provided with your vehicle on other vehicles.**
- **Never jack up the vehicle at a location other than the jack-up point that is specified.**
- **Never lift the vehicle more than necessary.**
- **Never use blocks on or under the jack.**
- **Never start or run the engine while the vehicle is on the jack. The vehicle may move suddenly, and this may cause an accident.**
- **Never allow passengers to remain in the vehicle while the tire is off the ground.**
- **Be sure to read the caution label attached to the jack body before using.**

1. Place the jack directly under the jack-up point as illustrated so that the top of the jack contacts the vehicle at the jack-up point.

   The jack should be placed on firm level ground.
2. Align the jack head between the two notches located at the jack-up point of either the front or the rear section.
3. Fit the groove of the jack head between the notches as shown.
4. Loosen each wheel nut, counterclockwise, one or two turns with the wheel nut wrench.

   Do not remove the wheel nuts until the tire is off the ground.
5. Carefully raise the vehicle until the clearance between the tire and ground is achieved.
6. To lift the vehicle, securely hold the jack lever and rod with both hands and turn the jack lever.

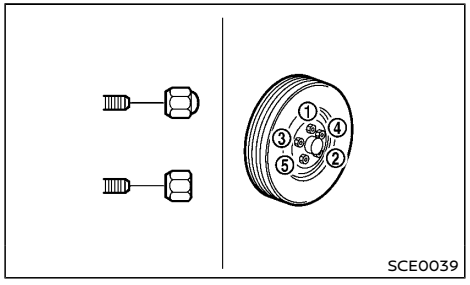
Removing tire:

1. Remove the wheel nuts.
2. Remove the damaged tire.

CAUTION:

The tire is heavy. Be sure that your feet are clear from the tire and use gloves as necessary to avoid injury.

Installing tire



SCE0039

WARNING:

- **Never use wheel nuts which are not provided with your vehicle. Incorrect wheel nuts or improperly tightened wheel nuts may cause the wheel to become loose or come off. This could cause an accident.**
- **Never use oil or grease on the wheel studs or nuts. This may cause the wheel nuts to become loose.**

1. Clean any mud or dirt from the surface between the wheel and hub.
2. Carefully put the tire on and tighten the wheel nuts with your fingers. Check that all the wheel nuts contact the wheel surface horizontally.
3. Tighten the wheel nuts alternately and evenly in the sequence illustrated (① - ⑤), more than 2 times with the wheel nut wrench, until they are tight.
4. Lower the vehicle slowly until the tire touches the ground.
5. Tighten the wheel nuts securely, with the wheel nut wrench, in the sequence illustrated.
6. Lower the vehicle completely.

Tighten the wheel nuts to the specified torque with a torque wrench as soon as possible.

Wheel nut tightening torque:
108 N·m (11 kg-m, 80 ft-lb)

The wheel nuts must be kept tightened to specification at all times. It is recommended that the wheel nuts be tightened to specification at each lubrication interval.

WARNING:

Retighten the wheel nuts when the vehicle has been driven for 1,000 km (600 miles) (also in cases of a flat tire, etc.).

EMERGENCY TIRE PUNCTURE REPAIR KIT

The emergency tire puncture repair kit is supplied to the vehicle instead of a spare tire. The repair kit must be used for temporarily fixing a minor tire puncture. After using the repair kit, see a NISSAN dealer as soon as possible for tire inspection and repair/replacement.

See “Repairing flat tire” (P.6-2).

[Edit: 2017/ 3/ 30 Model: C27-A]

MEMO

9 Technical information

RECOMMENDED FLUIDS/ LUBRICANTS AND CAPACITIES

The following are approximate capacities. The actual refill quantities may be slightly different. When refilling, follow the procedures instructed in the "8. Maintenance and do-it-yourself" section to determine the proper refill capacity.

Fluid type			Capacity (approximate) Metric Measure	US Measure	Imperial Measure	Recommended Fluids/Lubricants
Fuel			55 L	14-1/2 gal	12-1/8 gal	See "Fuel information" (P.9-3).
Engine oil* Drain and refill *: For additional information, see "Changing engine oil and oil filter" (P.8-8).		with oil filter change	3.8 L	4 qt	3-3/8 qt	• Genuine "NISSAN Motor Oil 0W-16 SN" is recommended. • If above motor oil is not available, use "NISSAN Motor Oil" or equivalent that matches the following grade and viscosity. – Oil grade: API SM or SN, ILSAC GF-4 or GF-5 – SAE Viscosity: 0W-20
		without oil filter change	3.6 L	3-7/8 qt	3-1/8 qt	
Engine coolant (with reservoir)	Total	with rear cooler	10.1 L	10-5/8 qt	8-7/8 qt	• Genuine NISSAN Engine Coolant (blue) or equivalent • Use Genuine NISSAN Engine Coolant or equivalent in its quality, in order to avoid possible aluminum corrosion within the engine cooling system caused by the use of non-genuine engine coolant. Note that any repairs for incidents within the engine cooling system while using non-genuine engine coolant may not be covered by the warranty even if such incidents occurred during the warranty period.
		without rear cooler	8.3 L	8-3/4 qt	7-1/4 qt	
	Reservoir		0.51 L	1/2 qt	1/2 qt	
Continuously Variable Transmission (CVT) fluid			—	—	—	• Genuine NISSAN CVT Fluid NS-3 • Use only Genuine NISSAN CVT Fluid NS-3. Using transmission fluid other than Genuine NISSAN CVT Fluid NS-3 will damage the CVT, which is not covered by the warranty.
Brake fluid			Refill to the proper fluid level according to the instructions in the "8. Maintenance and do-it-yourself" section.			• Genuine NISSAN Brake Fluid, or equivalent DOT 3
Multi-purpose grease			—	—	—	• NLGI No. 2 (Lithium soap base)
Air conditioning system refrigerant			—	—	—	• HFC-134a (R-134a)
Air conditioning system lubricants			—	—	—	• NISSAN UV Luminous Oil Type S or equivalent

[Edit: 2017/ 3/ 30 Model: C27-A]

FUEL INFORMATION

Gasoline engine (model with three-way catalyst)

CAUTION:

Do not use leaded gasoline. Using leaded gasoline will damage the three-way catalyst.

Use UNLEADED REGULAR gasoline with an octane rating of at least 91 (RON).

RECOMMENDED SAE VISCOSITY NUMBER

See "Recommended fluids/lubricants and capacities" (P.9-2).

AIR CONDITIONER SYSTEM REFRIGERANT AND LUBRICANT

The air conditioner system of your vehicle must be charged with the specified refrigerant and compressor oil or equivalent.

- Refrigerant
  — HFC-134a (R-134a)
- Compressor Oil
  — NISSAN UV Luminous Oil Type S or equivalent

CAUTION:

Use of any other refrigerants or lubricants will cause severe damage, and you may need to replace your vehicle's entire air conditioner system.

The release of refrigerants into the atmosphere is prohibited in many countries and regions. The refrigerant in your vehicle will not harm the Earth's ozone layer. However, it may contribute in a small part to the global warming effect. NISSAN recommends that the refrigerant be appropriately recovered and recycled. Contact a NISSAN dealer when servicing the air conditioner system.

ENGINE

Engine model		MR20DD
Type		Gasoline, 4-cycle, DOHC
Cylinder arrangement		4-cylinder, in-line
Bore × Stroke	mm (in)	84.0 × 90.1 (3.307 × 3.547)
Displacement	cm^3 (cu in)	1,997 (121.86)
Idle speed	rpm	CVT: 650±50
Ignition timing (B.T.D.C.)	degree at idle	8°±2
Spark plugs		
Type	Standard	DXE22H11CT or DXE22H11C
Gap	mm (in)	1.1 (0.043)
Camshaft operation		Timing chain

[Edit: 2017/ 3/ 30 Model: C27-A]

TIRES AND WHEELS

	Standard	Spare
Tire size	195/65R15	-(*)
	205/55R16	

			Size	Offset mm (in)
Road wheel	Standard	Aluminum	15 × 5.5J	45 (1.77)
			16 × 6J	45 (1.77)

*: The emergency tire puncture repair kit is supplied.

DIMENSIONS

Unit: mm (in)

Overall length	4,770 (187.8)
Overall width	1,740 (68.5)
Overall height	1,865 (73.4)
Front tread	1,485 (58.5)
Rear tread	1,485 (58.5)
Wheelbase	2,860 (112.6)

WHEN TRAVELLING OR REGISTERING IN ANOTHER COUNTRY

When planning to travel in another country or region, find out whether the fuel required for your vehicle is available in that country or region. Using a low octane rated fuel may cause engine damage. Therefore, be sure that the required fuel is available wherever you go. For additional information regarding recommended fuel, see earlier in this section.

When transferring the registration of your vehicle to another country, state, province or district, contact the appropriate authorities to find out that the vehicle complies with the local legal requirements. In some cases, a vehicle cannot meet the legal requirements, and it may be necessary to modify the vehicle to meet local laws and regulations. In addition, there may be possibilities that a vehicle cannot be adapted in certain areas.

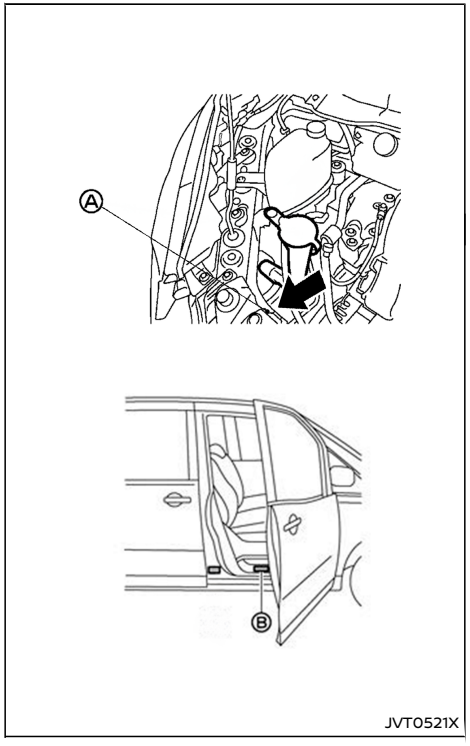
The laws and regulations for motor vehicle emission control and safety standards vary according to the country, state, province or district; therefore, the vehicle specification may differ.

When any vehicles are to be taken into another country, state, province or district, its modification, transportation, registration, and any other expenses which may result, are the responsibility of the user. NISSAN is not responsible for any inconveniences that may result.

VEHICLE IDENTIFICATION

It is prohibited to cover, paint, weld, cut, drill, alter or remove Vehicle Identification Number (VIN).

VEHICLE IDENTIFICATION PLATE

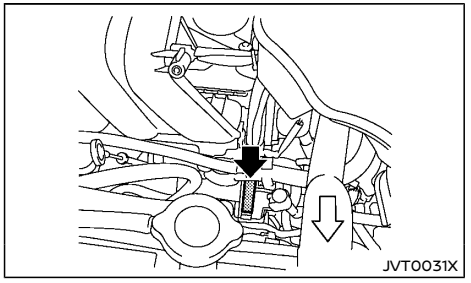


The vehicle identification plate Ⓐ is affixed as shown.

VEHICLE IDENTIFICATION NUMBER (VIN)

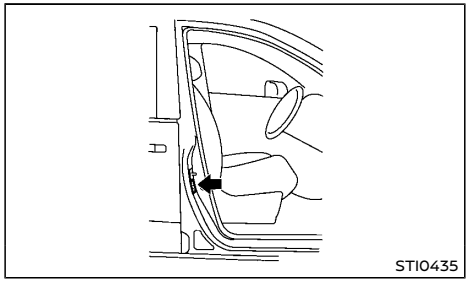
The vehicle identification number Ⓑ is located as shown.

ENGINE SERIAL NUMBER



The engine serial number is stamped on the engine as shown.

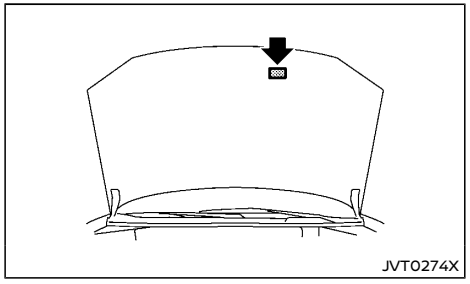
TIRE PLACARD



The cold tire pressures are shown on the tire placard affixed to the driver's side center pillar.

[Edit: 2017/ 3/ 30 Model: C27-A]

AIR CONDITIONER SPECIFICATION LABEL



The air conditioner specification label is affixed to the underside of the hood as shown.

INSTALLATION OF AN RF TRANSMITTER

For countries conforming to UN regulation No.10 or equivalent:

The installation of an RF transmitter in your vehicle could affect electric equipment systems. Be sure to check with your NISSAN dealer for precautionary measures or special instructions regarding installation. Upon request, your NISSAN dealer will provide the detailed information (frequency band, power, antenna position, installation guide, etc.) regarding installation.

10 Nissan Intelligence Mobility

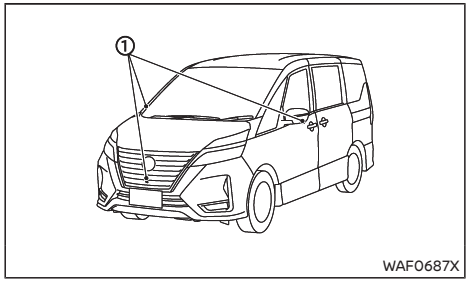
INTELLIGENT FORWARD COLLISION WARNING SYSTEM

WARNING:

Failure to follow the warnings and instructions for proper use of the Intelligent Forward Collision Warning system could result in serious injury or death.

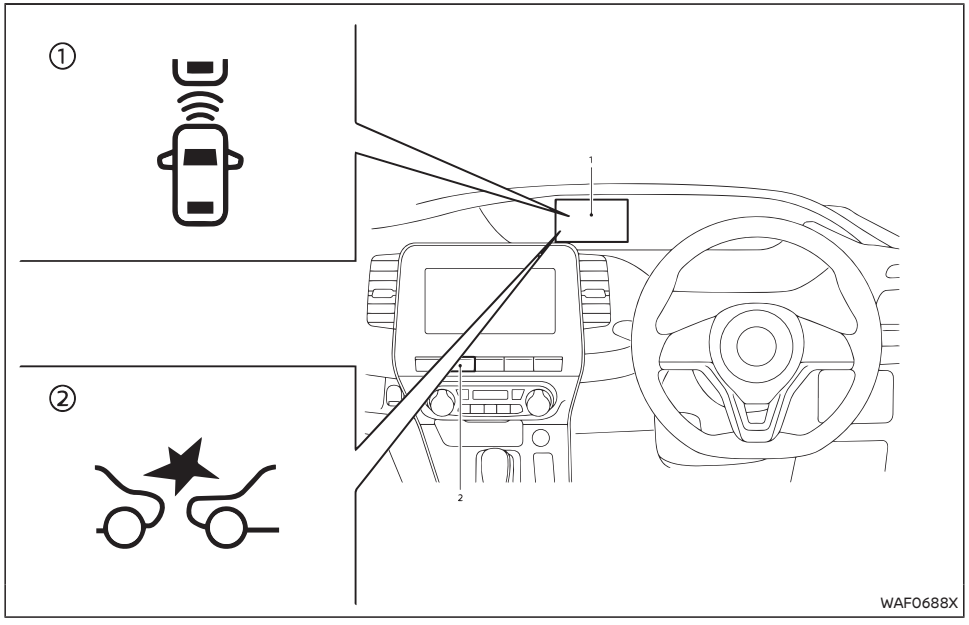
- **The Intelligent Forward Collision Warning system can help warn the driver before a collision occurs but will not avoid a collision. It is the driver's responsibility to stay alert, drive safely and be in control of the vehicle at all times.**

The Intelligent Forward Collision Warning system can help alert the driver when there is a sudden braking of a second vehicle traveling in front of the vehicle ahead in the same lane.



The Intelligent Forward Collision Warning system uses a radar sensor Ⓐ located on the front of the vehicle to measure the distance to the vehicle ahead in the same lane.

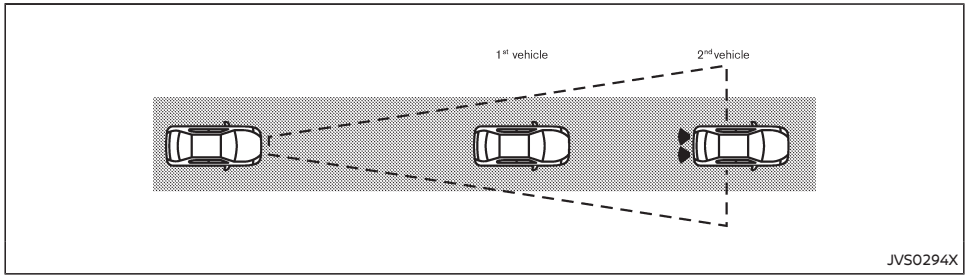
INTELLIGENT FORWARD COLLISION WARNING SYSTEM OPERATION



① Vehicle ahead detection indicator (on the vehicle information display)

② Intelligent Emergency Braking system warning light (on the meter panel)

[Edit: 2021/ 8/ 2 Model: E13-A]



The Intelligent Forward Collision Warning system operates at speeds above approximately 5 km/h (3 MPH).

If there is a potential risk of a forward collision, the Intelligent Forward Collision Warning system will warn the driver by blinking the vehicle ahead detection indicator, and sounding an audible alert.

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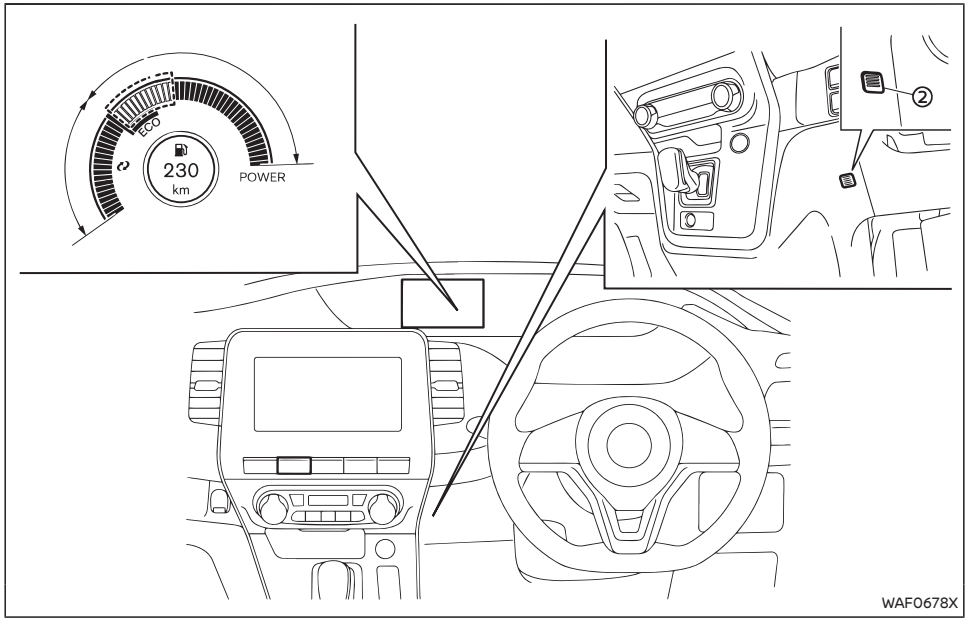
TURNING THE INTELLIGENT FORWARD COLLISION WARNING SYSTEM ON/OFF



Perform the following steps to enable or disable the Intelligent Forward Collision Warning system.

1. Push the ◀ ▶ button until "Settings" appears in the vehicle information display. Then push the scroll dial.
2. Use the ▲ ▼ button to select "Driver Assistance". then push the "OK" button
3. Select "Emergency Brake" and push the "OK" button
4. Select "System" and Push the "OK" button to turn the system on or off.

When the Intelligent Forward Collision Warning system is turned off, the Intelligent Emergency Braking system warning light illuminates.

NOTE:
When the Intelligent Forward Collison Warning sytem is turned off, the intelligent Emergency Braking is also turned off. For details about the Intelligent Emergency Braking , see "Intelligent Emergency Braking with pedestrian detection system" (P.5-23).

INTELLIGENT FORWARD COLLISION WARNING SYSTEM LIMITATIONS

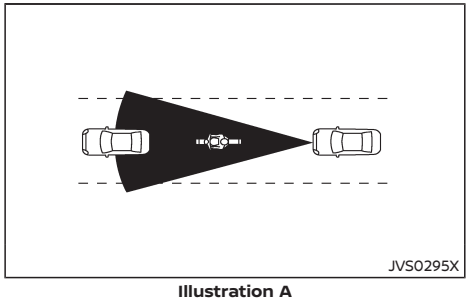


Illustration A

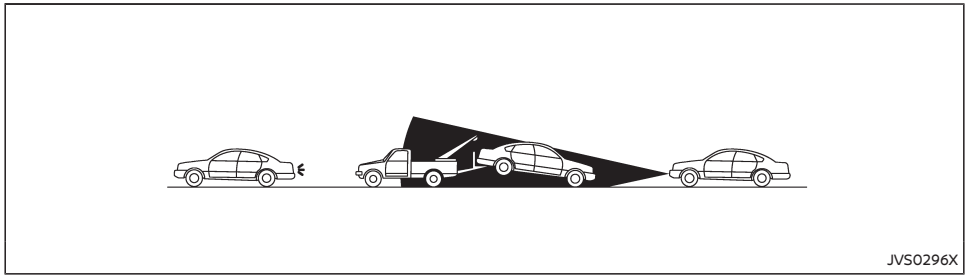


Illustration B

WARNING:

Listed below are the system limitations for the Intelligent Forward Collision Warning system. Failure to operate the vehicle in accordance with these system limitations could result in serious injury or death.

- **The Intelligent Forward Collision Warning system cannot detect all vehicles under all conditions.**
- **The radar sensor does not detect the following objects:**
  - **— Pedestrians, animals or obstacles in the roadway**
  - **— Oncoming vehicles**
  - **— Crossing vehicles**
- **(Illustration A) The Intelligent Forward Collision Warning system does not function when a vehicle ahead is a narrow vehicle, such as a motorcycle.**
- **The radar sensor may not detect a vehicle ahead in the following conditions:**
  - **— Snow or heavy rain**
  - **— Dirt, ice, snow or other material covering the radar sensor.**
  - **— Interference by other radar sources.**
  - **— Snow or road spray from traveling vehicles.**
  - **— Driving in a tunnel**
  - **— (Illustration B) When the vehicle ahead is being towed.**
  - **— (Illustration C) When the distance to the vehicle ahead is too close, the beam of the radar sensor is obstructed.**
  - **— (Illustration D) When driving on a steep downhill slope or roads with sharp curves.**
- **The system is designed to automatically check the sensor's functionality, within certain limitations. The system may not detect some forms of obstruction of the sensor area such as ice, snow, stickers, etc. In these cases, the system may not be able to warn the driver properly. Be sure that you check, clean and clear the sensor area regularly.**
- **Excessive noise will interfere with the warning chime sound, and the chime may not be heard.**

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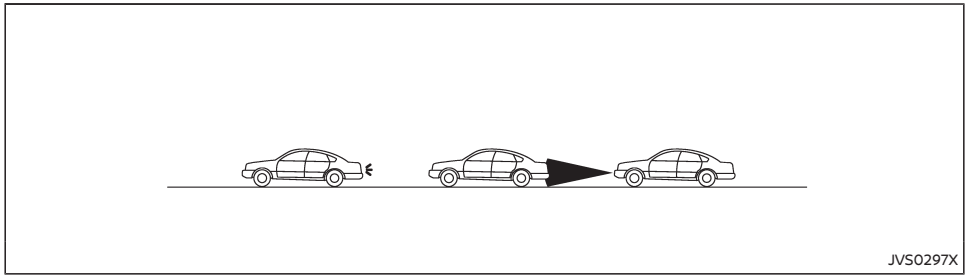


Illustration C

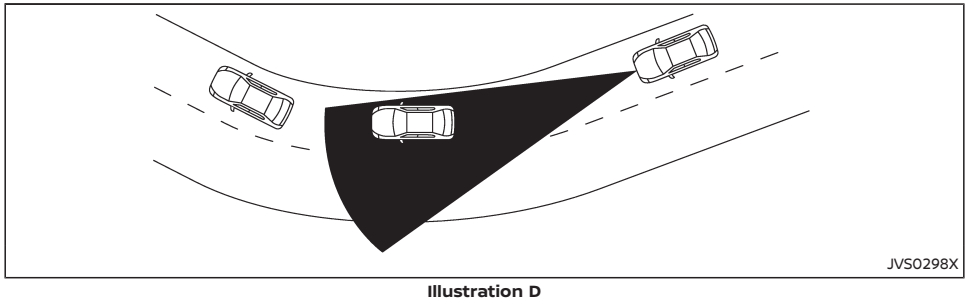
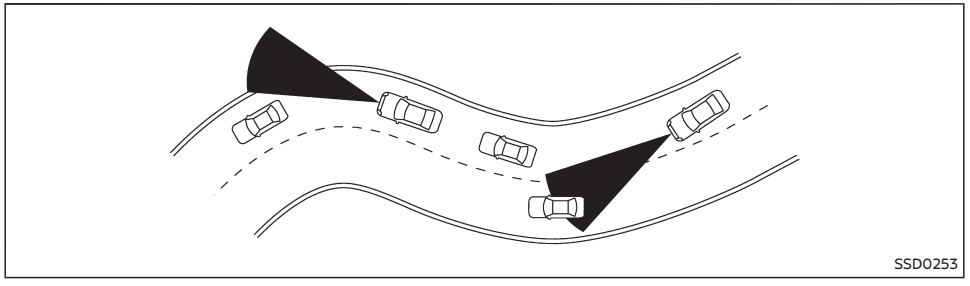


Illustration D



When driving on some roads, such as winding, hilly, curved, narrow roads, or roads which are under construction, the radar sensor may detect vehicles in a different lane, or may temporarily not detect a vehicle traveling ahead. This may cause the Intelligent Forward Collision Warning system to work inappropriately.

The detection of vehicles may also be affected by vehicle operation (steering maneuver or traveling position in the lane, etc.) or vehicle condition. **If this occurs, the system may warn you by blinking the system indicator and sounding the chime unexpectedly. You will have to manually control the proper distance away from the vehicle traveling ahead.**

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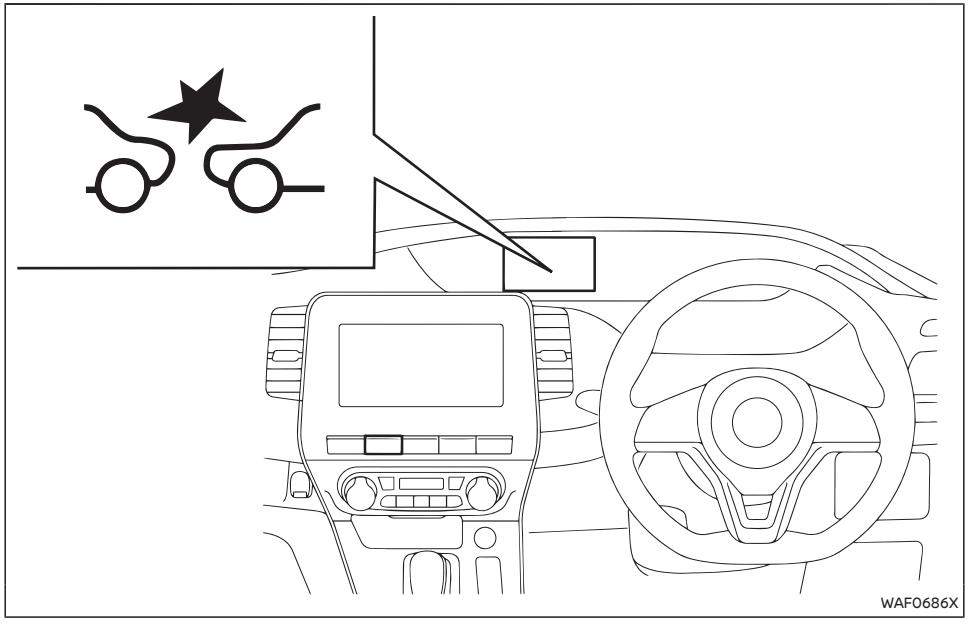
SYSTEM TEMPORARILY UNAVAILABLE



- When the radar sensor picks up interference from another radar source, making it impossible to detect a vehicle ahead, the Intelligent Forward Collision Warning system is automatically turned off. The Intelligent Emergency Braking system warning light (orange) will illuminate.

Action to take:

When the above conditions no longer exist, the Intelligent Forward Collision Warning system will resume automatically.

- When the radar sensor area is covered with dirt or is obstructed, making it possible to detect a vehicle ahead, the intelligent Forward Collision Warning system is automatically turned off. The intelligent Emergency Braking warning light (orange) will illuminate and the "Unavailable Front Radar Obstruction" warning message will appear in the vehicle information display.

Action to take:

If the warning light (orange) illuminate, stop the vehicle in a safe place, push the P position switch to engage the "P" (Park) position and turn off the engine. Clean the Sensor area on the front of the vehicle with a soft cloth, and restart the e-POWER system. If the warning light continues to illuminate, have the Intelligent Forward Collision Warning system checked by a NISSAN dealer.

- When driving on roads with limited road structures or buildings (for example, long bridges, deserts, snow fields, driving next to long walls). The Intelligent Emergency Braking system warning light (orange) will illuminate and the "Unavailable Front Radar Obstruction" warning message will appear in the vehicle information display.

Action to take:

When the above conditions no longer exist, the Intelligent Forward Collision Warning system will resume automatically.

NOTE:

If the Intelligent Emergency Braking stops working, the Intelligent Forward Collision Warning system will also stop working.

SYSTEM MALFUNCTION

If the Intelligent Forward Collision Warning system malfunctions, it will be turned off automatically, a chime will sound, the intelligent Emergency Braking system warning light (orange) will illuminate and the " Malfunction See Owner's Manual " warning message will appear in the vehicle information display.

Action to take:

If the warning light (orange) illuminates, stop the vehicle in a safe location, turn the e-POWER system off and restart the e-POWER system. If the warning light continues to illuminate, have the Intelligent Forward Collision Warning system checked by a NISSAN dealer.

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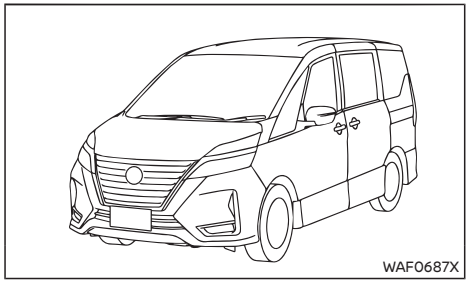
LANE DEPARTURE WARNING (LDW)

SYSTEM MAINTENANCE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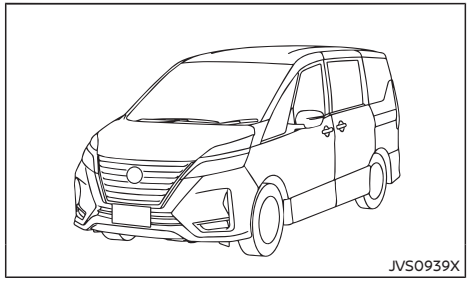
The radar sensor Ⓐ is located on the front of the vehicle.

To keep the system operating properly, be sure to observe the following:

- Always keep the sensor area of the front bumper clean.
- Do not strike or damage the areas around the sensor.
- Do not cover or attach stickers or similar objects on the front bumper near the sensor area. This could cause failure or malfunction.
- Do not attach metallic objects near the sensor area (brush guard, etc.). This could cause failure or malfunction.
- Do not alter, remove or paint the front bumper. Contact a NISSAN dealer before customizing or restoring the front bumper.


JVS0939X

WARNING:

Failure to follow the warnings and instructions for proper use of the LDW system could result in serious injury or death.

- **This system is only a warning device to inform the driver of a potential unintended lane departure. It will not steer the vehicle or prevent loss of control. It is the driver's responsibility to stay alert, drive safely, keep the vehicle in the traveling lane, and be in control of the vehicle at all times.**

The LDW system will operate when the vehicle is driven at speeds of the following speeds and above, and only when the lane markings are clearly visible on the road.

- approximately 70 km/h (43 MPH)

The LDW system monitors the lane markers on the traveling lane using the camera unit Ⓐ located above the inside mirror.

The LDW system warns the driver with a LDW indicator on the vehicle information display and chime that the vehicle is beginning to leave the driving lane. For additional information, refer to "LDW system operation" (P.5-38).

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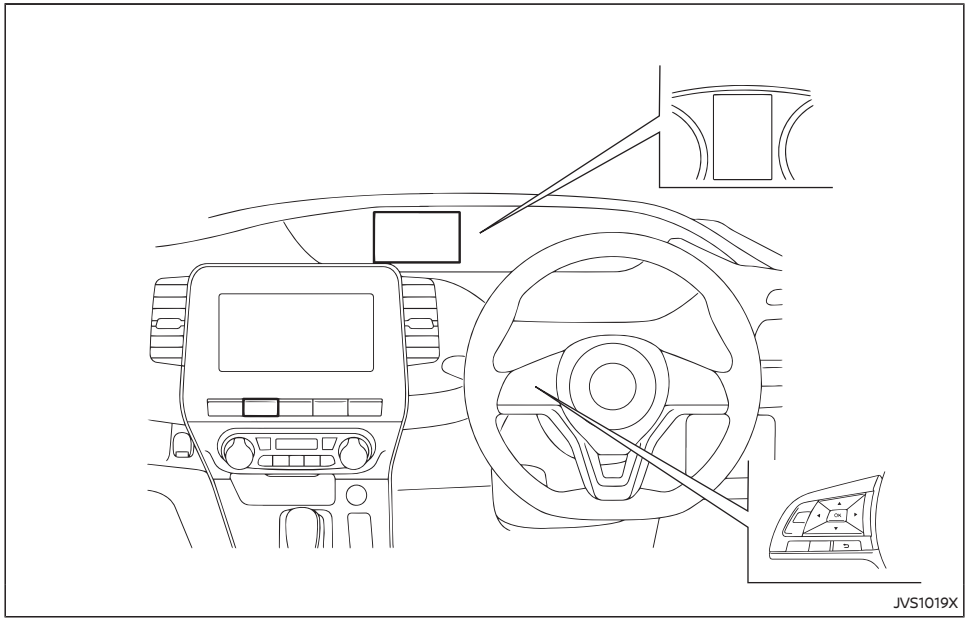
HOW TO ENABLE/DISABLE THE LDW SYSTEM



① Vehicle information display
② Steering-wheel-mounted controls (left side)

Perform the following steps to enable or disable the LDW system.

1. Press the ◀ ▶ button until "Settings" displays in the vehicle information display and then press "OK" button. Use the ▲▼ button to select "Driver Assistance". Then press the "OK" button.
2. To set the LDW system to on or off, use the ▲▼ buttons to navigate in the menu and use the "OK" button to select or change an item:
   • Select "Lane" and press the "OK" button.
   — To turn on the warning system, use the "OK" button to check the box for "Warning".

NOTE:

If you turn the LDW system off using the "Settings" menu, the system will remain turned off the next time you start the engine.

LDW SYSTEM LIMITATIONS

WARNING:

Listed below are the system limitations for the LDW system. Failure to follow the warnings and instructions for proper use of the LDW system could result in serious injury or death.

- **The system will not operate at speeds below the following speeds, or if it cannot detect lane markers.**

  — approximately 70 km/h (43 MPH)

- **Excessive noise will interfere with the warning chime sound, and the chime may not be heard.**

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- **Do not use the LDW system under the following conditions as it may not function properly:**
  - **— During bad weather (rain, fog, snow, etc.).**
  - **— When driving on slippery roads, such as on ice or snow.**
  - **— When driving on winding or uneven roads.**
  - **— When there is a lane closure due to road repairs.**
  - **— When driving in a makeshift or temporary lane.**
  - **— When driving on roads where the lane width is too narrow.**
  - **— When driving without normal tire conditions (for example, tire wear, low tire pressure, installation of spare tire, tire chains, non-standard wheels).**
  - **— When the vehicle is equipped with non-original brake parts or suspension parts.**
  - **— When you are towing a trailer or other vehicle (for Australia, New Zealand, South Africa and Europe).**
- **The system may not function properly under the following conditions:**
  - **— On roads where there are multiple parallel lane markers; lane markers that are faded or not painted clearly; yellow painted lane markers; non-standard lane markers; or lane markers covered with water, dirt, snow, etc.**
  - **— On roads where discontinued lane markers are still detectable.**
  - **— On roads where there are sharp curves.**
  - **— On roads where there are sharply contrasting objects, such as shadows, snow, water, wheel ruts, seams or lines remaining after road repairs. (The LDW system could detect these items as lane markers.)**
  - **— On roads where the traveling lane merges or separates.**
  - **— When the vehicle's traveling direction does not align with the lane marker.**
  - **— When traveling close to the vehicle in front of you, which obstructs the lane camera unit detection range.**
  - **— When rain, snow, dirt or object adheres to the windshield in front of the lane camera unit.**
  - **— When the headlights are not bright due to dirt on the lens or if the aiming is not adjusted properly.**
  - **— When strong light enters the lane camera unit. (For example, the light directly shines on the front of the vehicle at sunrise or sunset.)**
  - **— When a sudden change in brightness occurs. (For example, when the vehicle enters or exits a tunnel or under a bridge.)**

SYSTEM TEMPORARILY UNAVAILABLE

If the vehicle is parked in direct sunlight under high temperature conditions (over approximately 40°C (104°F)) and then started, the LDW system may be deactivated automatically and the following message "Not available: High Cabin Temperature" will appear in the vehicle information display.

When the interior temperature is reduced, the LDW system will resume operating automatically.

The LDW system is not designed to warn under the following conditions:

- When you operate the lane change signal and change traveling lanes in the direction of the signal. (The LDW system will become operable again approximately 2 seconds after the lane change signal is turned off.)
- When the vehicle speed lowers to less than the following speeds:
  - — approximately 70 km/h (43 MPH)
  - — When rain, snow, dirt or object adheres to the windscreen in front of the lane camera unit.

After the above conditions have finished and the necessary operating conditions are satisfied, the LDW system will resume.

SYSTEM MALFUNCTION

If the LDW system malfunctions, it will cancel automatically and "System fault" will appear in the vehicle information display. If "System fault" appears in the vehicle information display, pull off the road to a safe location and stop the vehicle. Place the ignition switch in the "OFF" position and restart the engine. If "System fault" continues to appear in the vehicle information display, have the system checked at a NISSAN

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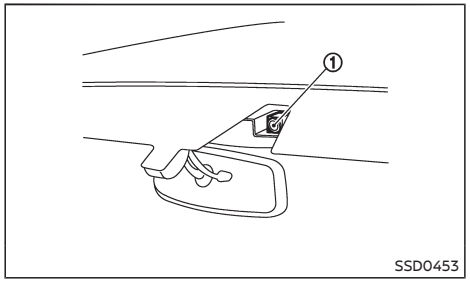
dealer.

SYSTEM MAINTENANCE



The lane camera unit ① for the LDW system is located above the inside mirror.

To keep the proper operation of the LDW system and prevent a system malfunction, be sure to observe the following:

- Always keep the windshield clean.
- Do not attach a sticker (including transparent material) or install an accessory near the camera unit.
- Do not place reflective materials, such as white paper or a mirror, on the instrument panel. The reflection of sunlight may adversely affect the camera unit's capability of detecting the lane markers.
- Do not strike or damage the areas around the camera unit. Do not touch the camera lens or remove the screw located on the camera unit. If the camera unit is damaged due to an accident, it is recommended that you visit a NISSAN dealer.

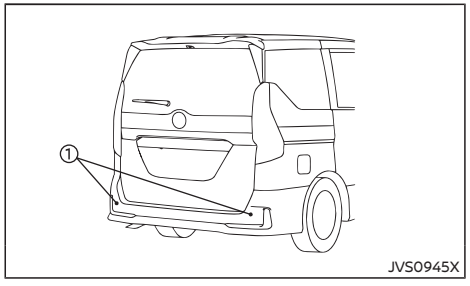
BLIND SPOT WARNING (BSW) (if equipped)

WARNING:

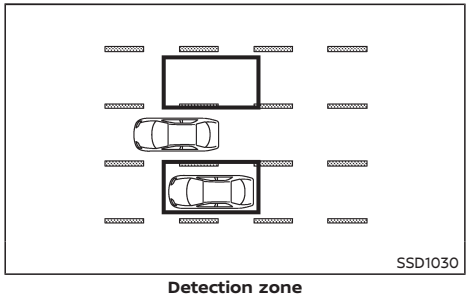
Failure to follow the warnings and instructions for proper use of the BSW system could result in serious injury or death.

- **The BSW system is not a replacement for proper driving procedures and is not designed to prevent contact with vehicles or objects. When changing lanes, always use the side and rear mirrors and turn and look in the direction your vehicle will move to ensure it is safe to change lanes. Never rely solely on the BSW system.**

The BSW system helps alert the driver of other vehicles in adjacent lanes when changing lanes.



The BSW system uses radar sensors ① installed near the rear bumper to detect other vehicles in an adjacent lane.



Detection zone

The radar sensors can detect vehicles on either side of your vehicle within the detection zone shown as illustrated. This detection zone starts from the outside mirror of your vehicle and extends approximately 3.0 m (10 ft) behind the rear bumper, and approximately 3.0 m (10 ft) sideways.

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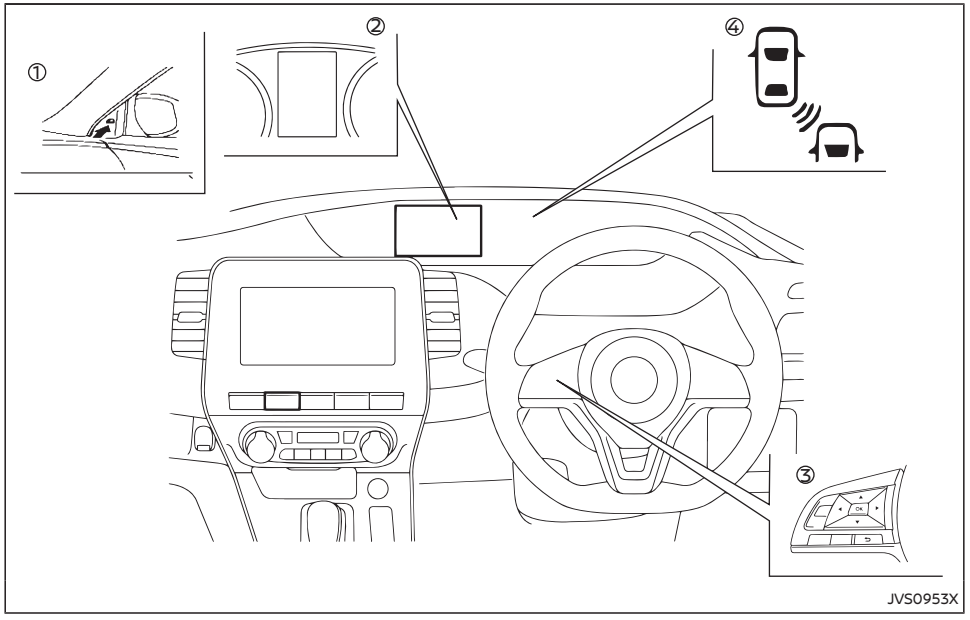

① Side indicator light
② Vehicle information display
③ Steering-wheel-mounted controls (left side)
④ Steering-wheel-mounted controls (left side)

BSW SYSTEM OPERATION

The BSW system operates above approximately 32 km/h (20 MPH).

If the radar sensors detect a vehicle in the detection zone, the side indicator light ① illuminates.

If the turn signal is then activated, the system chimes (twice) and the side indicator light and BSW indicator flash. The side indicator light continues to flash until the detected vehicle leaves the detection zone.

The side indicator light illuminates for a few seconds when the ignition switch is placed in the "ON" position.

The brightness of the side indicator light is adjusted automatically depending on the brightness of the ambient light.

If a vehicle comes into the detection zone after the driver activates the turn signal, then only the side indicator light flashes and no chime sounds. For additional information, refer to "BSW driving situations" (P.5-49).

If a vehicle comes into the detection zone after the driver activates the turn signal, then only the side indicator light and BSW indicator flash and no chime sounds. For additional information, refer to "BSW driving situations" (P.5-49).

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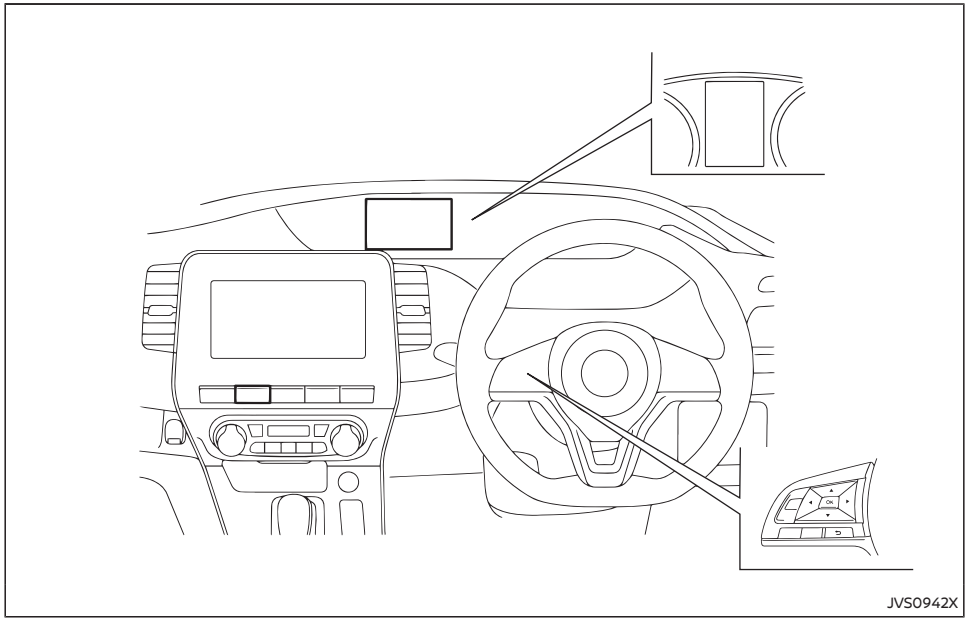
HOW TO ENABLE/DISABLE THE BSW SYSTEM



① Vehicle information display
② Steering-wheel-mounted controls (left side)

Perform the following steps to enable or disable the BSW system.

1. Press the ◀ ▶ button until "Settings" displays in the vehicle information display and then press "OK" button. Use the ▲▼ button to select "Driver Assistance". Then press the "OK" button.
2. To set the BSW system to on or off, use the ▲▼ buttons to navigate in the menu and use the "OK" button to select or change an item.
   - Select "Blind Spot" and press the "OK" button.
   — To turn on the warning system, use the "OK" button to check the box for "Waring"

NOTE:
When enabling/disabling the system, the system will retain current settings even if the engine is restarted.

Setting the side indicator light brightness

The brightness of the side indicator lights can be changed using the following steps:

1. Push the ◀ ▶ button until "Settings" appears in the vehicle information display and then push the "OK" buttom. Use the ▲▼ button to select "Driver Assistance". Then push the "OK" button.
2. Select "Blind Spot" and push the "OK" button.
3. Select "Side Indicator Brightness" and push the "OK" button.

BSW SYSTEM LIMITATIONS

WARNING:

Listed below are the system limitations for the BSW system. Failure to operate the vehicle in accordance with these system limitations could result in serious injury or death.

- **The BSW system cannot detect all vehicles under all conditions.**
- **The radar sensors may not be able to detect and activate BSW when certain objects are present such as:**
  - **— Pedestrians, bicycles, animals.**
  - **— Vehicles such as motorcycles, low height vehicles, or high ground clearance vehicles.**
  - **— Oncoming vehicles.**
  - **— Vehicles remaining in the detection zone when you accelerate from a stop.**
  - **— A vehicle merging into an adjacent lane at a speed approximately the same as your vehicle.**
  - **— A vehicle approaching rapidly from behind.**
  - **— A vehicle which your vehicle overtakes rapidly.**

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— A vehicle that passes through the detection zone quickly.

— When overtaking several vehicles in a row, the vehicles after the θstuvehicle may not be detected if they are traveling close together.

- **The radar sensor's detection zone is designed based on a standard lane width. When driving in a wider lane, the radar sensors may not detect vehicles in an adjacent lane. When driving in a narrow lane, the radar sensors may detect vehicles driving two lanes away.**
- **The radar sensors are designed to ignore most stationary objects, however objects such as guardrails, walls, foliage and parked vehicles may occasionally be detected. This is a normal operation condition.**
- **The following conditions may reduce the ability of the radar to detect other vehicles:**

  — Severe weather

  — Road spray

  — Ice/frost/dirt build-up on the vehicle
- **Do not attach stickers (including transparent material), install accessories or apply additional paint near the radar sensors. These conditions may reduce the ability of the radar to detect other vehicles.**
- **Excessive noise (for example, audio system volume, open vehicle window) will interfere with the chime sound, and it may not be heard.**

BSW DRIVING SITUATIONS

Indicator on

Indicator off

Indicator flashing

Another vehicle approaching from behind

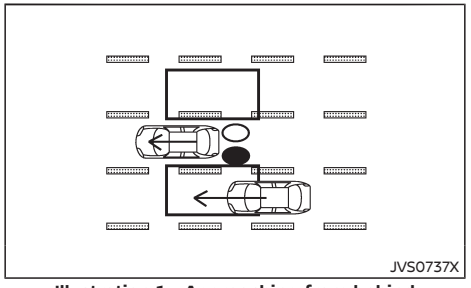

Illustration 1 – Approaching from behind

Illustration 1: The side indicator light illuminates if a vehicle enters the detection zone from behind in an adjacent lane.

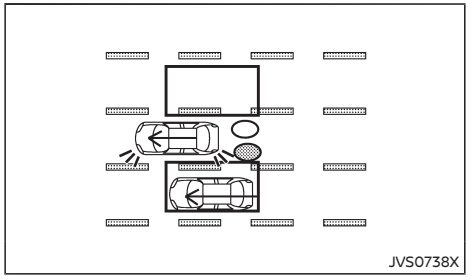

Illustration 2 – Approaching from behind

Illustration 2: If the driver activates the turn signal while another vehicle is in the detection zone, then the system chimes (twice) and the side indicator light and BSW indicator flash.

NOTE:

- **The radar sensors may not detect vehicles which are approaching rapidly from behind.**
- **If the driver activates the turn signal before a vehicle enters the detection zone, the side indicator light and BSW jindicator will flash out no chime will sound when the other vehicle is detected.**

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Overtaking another vehicle

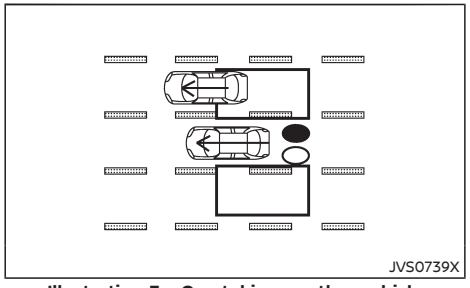


Illustration 3 – Overtaking another vehicle

Illustration 3: The side indicator light illuminates if you overtake a vehicle and that vehicle stays in the detection zone for approximately 2 seconds.

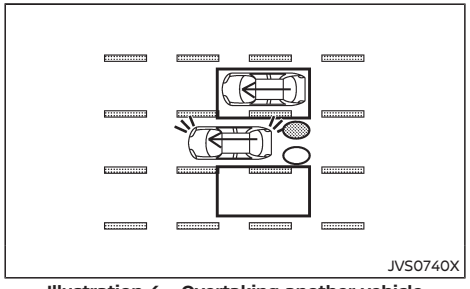


Illustration 4 – Overtaking another vehicle

Illustration 4: If the driver activates the turn signal while another vehicle is in the detection zone, then the system chimes (twice) and the side indicator light and BSW indicator flash.

NOTE:

- **When overtaking several vehicles in a row, the vehicles after the first vehicle may not be detected if they are traveling close together.**
- **The radar sensors may not detect slower moving vehicles if they are passed quickly.**
- **If the driver activates the turn signal before a vehicle enters the detection zone, the side indicator light and BSW indicator will flash out no chime will**
- **sound when the other vehicle is detected.**

Entering from the side

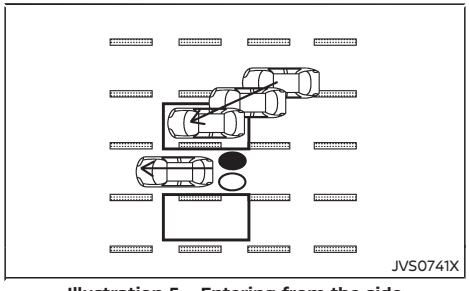


Illustration 5 – Entering from the side

Illustration 5: The side indicator light illuminates if a vehicle enters the detection zone from either side.

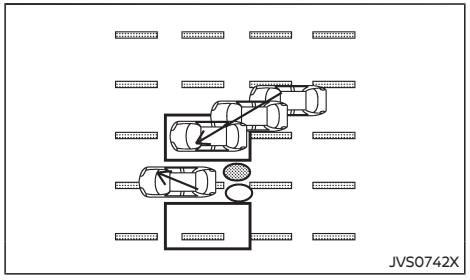


Illustration 6 – Entering from the side

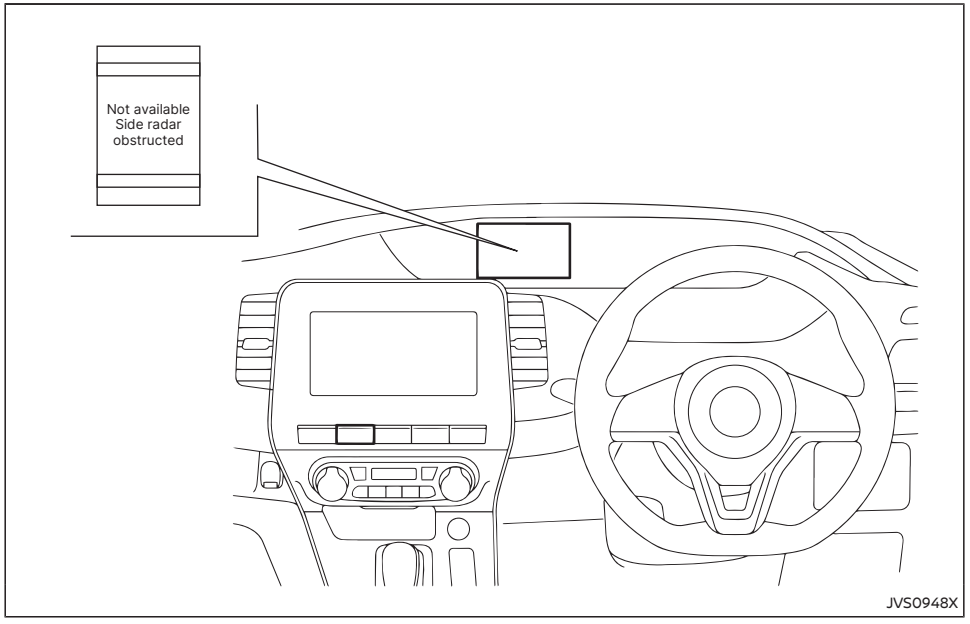
Illustration 6: If the driver activates the turn signal while another vehicle is in the detection zone, then the system chimes (twice) and the side indicator light and BSW indicator flash.

NOTE:

- **The radar sensors may not detect a vehicle which is traveling at about the same speed as your vehicle when it enters the detection zone.**
- **If the driver activates the turn signal before a vehicle enters the detection zone, the side indicator light and BSW indicator will flash out no chime will sound when the other vehicle is detected.**

[Edit: 2021/ 9/ 22 Model: T32-A]

SYSTEM TEMPORARILY UNAVAILABLE



① Vehicle information display

When radar blockage is detected, the BSW system will be turned off automatically, a chime will sound and the "Not available: Side Radar Obstructed" warning message will appear in the vehicle information display ①.

The system is not available until the conditions no longer exist.

The radar sensors may be blocked by temporary ambient conditions such as splashing water, mist or fog. The blocked condition may also be caused by objects such as ice, frost or dirt obstructing the radar sensors.

NOTE:

If the BSW system stops working, the RCTA system will also stop working.

Action to take:

When the above conditions no longer exist, the system will resume automatically.

If the "Not available: Side Radar Obstructed" warning message continues to appear, have the system checked by a NISSAN dealer.

SYSTEM MALFUNCTION

When the BSW system malfunctions, it will be turned off automatically and the "System fault" warning message will appear in the vehicle information display.

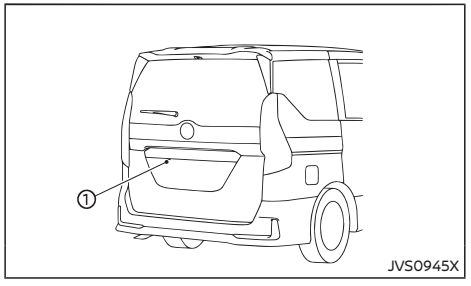
NOTE:

If the BSW system stops working, the RCTA system will also stop working.

Action to take:

Stop the vehicle in a safe location, turn the engine off and restart the engine. If the message continues to appear, have the BSW system checked by a NISSAN dealer.

SYSTEM MAINTENANCE



The two radar sensors ① for the BSW system are located near the rear bumper. Always keep the area near the radar sensors clean.

[Edit: 2021/ 9/ 22 Model: T32-A]

The radar sensors may be blocked by temporary ambient conditions such as splashing water, mist or fog.

The blocked condition may also be caused by objects such as ice, frost or dirt obstructing the radar sensors.

Check for and remove objects obstructing the area around the radar sensors.

Do not attach stickers (including transparent material), install accessories or apply additional paint near the radar sensors.

Do not strike or damage the area around the radar sensors.

See a NISSAN dealer if the area around the radar sensors is damaged due to a collision.

For the radio approval numbers and information, see "Radio approval number and information" (P.9-14).

REAR CROSS TRAFFIC ALERT (RCTA)

WARNING:

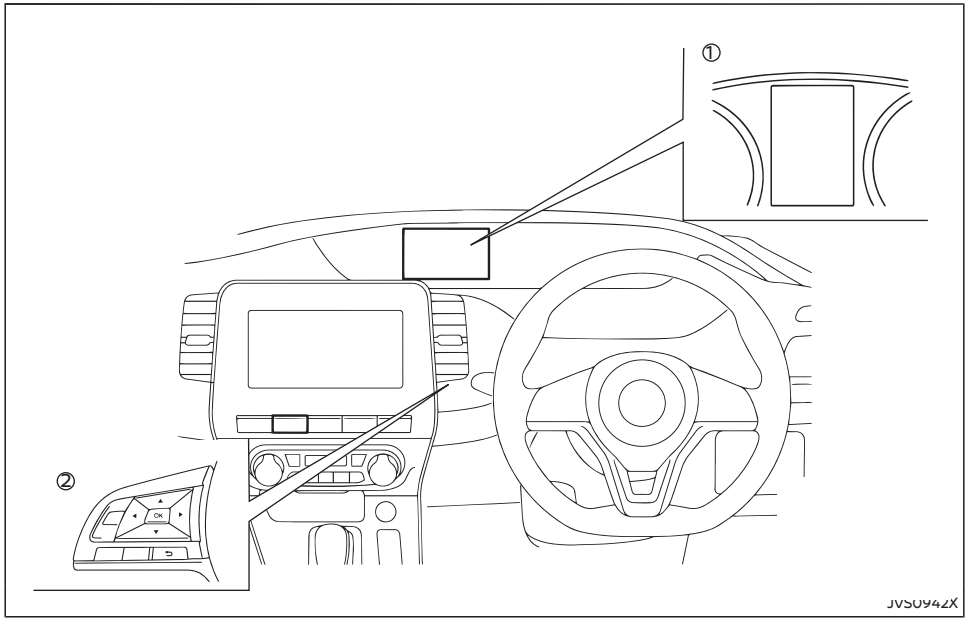
Failure to follow the warnings and instructions for proper use of the RCTA system could result in serious injury or death.

- **The RCTA system is not a replacement for proper driving procedures and is not designed to prevent contact with vehicles or objects. When backing out of a parking space, always use the side and rear mirrors and turn and look in the direction your vehicle will move. Never rely solely on the RCTA system.**

The RCTA system will assist you when backing out from a parking space. When the vehicle is in reverse, the system is designed to detect other vehicles approaching from the right or left of the vehicle. If the system detects cross traffic, it will alert you.

[Edit: 2021/ 9/ 22 Model: T32-A]

HOW TO ENABLE/DISABLE THE RCTA SYSTEM



① Vehicle information display

② Steering-wheel-mounted controls (left side)

Perform the following steps to enable or disable the RCTA system.

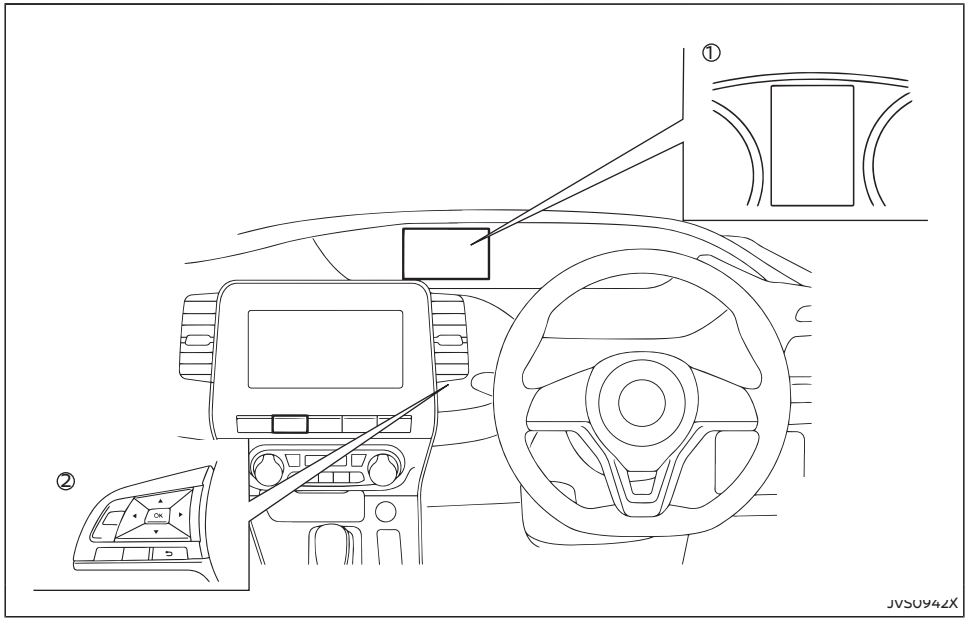
1. Press the ◀ ▶ button until "Settings" displays in the vehicle information display and then press "OK" button. Use the ▲▼ button to select "Driver Assistance". Then press the "OK" button.
2. Select "Parking Aids" and press the "OK" button.
3. To set the RCTA system to on or off, use the ▲▼ buttons to navigate in the menu and use the "OK" button to select or change an item:
   - To turn on the RCTA system, use the "OK" button to check the box for "Cross Traffic".

NOTE:

When enabling/disabling the system, the system setting will be retained even if the engine is restarted.

[Edit: 2021/ 9/ 22 Model: T32-A]

HOW TO ENABLE/DISABLE THE RCTA SYSTEM



① Vehicle information display

② Steering-wheel-mounted controls (left side)

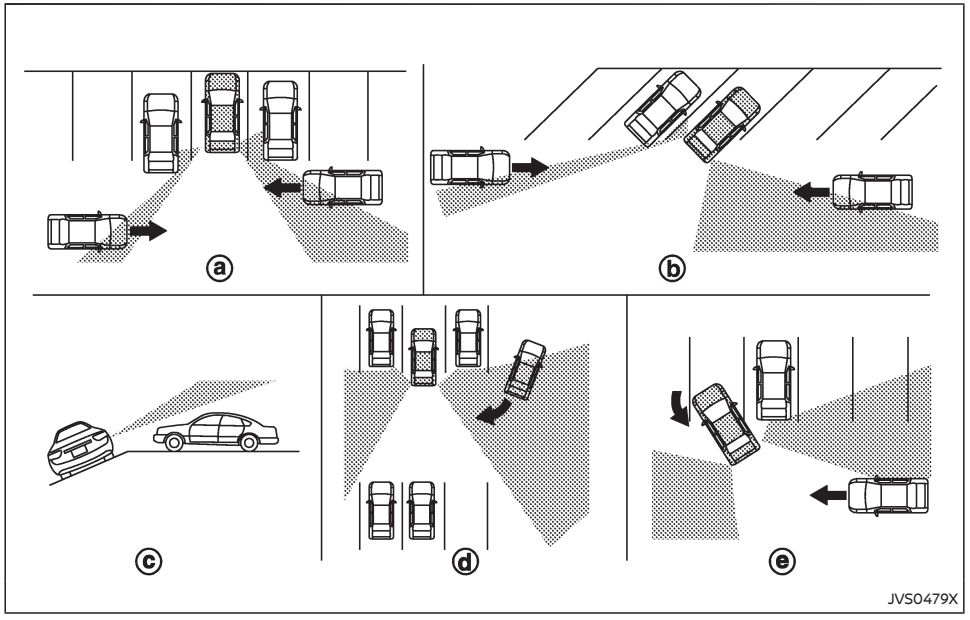
Perform the following steps to enable or disable the RCTA system.

1. Press the ◀ ▶ button until "Settings" displays in the vehicle information display and then press "OK" button. Use the ▲▼ button to select "Driver Assistance". Then press the "OK" button.
2. Select "Parking Aids" and press the "OK" button.
3. To set the RCTA system to on or off, use the ▲▼ buttons to navigate in the menu and use the "OK" button to select or change an item:
   - To turn on the RCTA system, use the "OK" button to check the box for "Cross Traffic".

NOTE:

When enabling/disabling the system, the system setting will be retained even if the engine is restarted.

[Edit: 2021/ 9/ 22 Model: T32-A]



RCTA SYSTEM LIMITATIONS

WARNING:

Listed below are the system limitations for the RCTA system. Failure to operate the vehicle in accordance with these system limitations could result in serious injury or death.

- **Always check surroundings and turn to check what is behind you before backing up. The radar sensors detect approaching (moving) vehicles. The radar sensors cannot detect every object such as:**
  - **— Pedestrians, bicycles, motorcycles, animals or child-operated toy vehicles**
  - **— A vehicle that is passing at speeds greater than approximately 30 km/h (19 MPH)**
  - **— A vehicle that is passing at speeds lower than approximately 8 km/h (5 MPH)**
- **The radar sensors may not detect approaching vehicles in certain situations:**
  - **— Illustration ⓐ: When a vehicle parked next to you obstructs the beam of the radar sensor.**
  - **— Illustration ⓑ: When the vehicle is parked in an angled parking space.**
  - **— Illustration ⓒ: When the vehicle is parked on inclined ground.**
  - **— Illustration ⓓ: When an approaching vehicle turns into your vehicle's parking lot aisle.**
  - **— Illustration ⓔ: When the angle formed by your vehicle and approaching vehicle is small**
- **The following conditions may reduce the ability of the radar to detect other vehicles:**
  - **— Severe weather**
  - **— Road spray**
  - **— Ice/frost/dirt build-up on the vehicle**
- **Do not attach stickers (including transparent material), install accessories or apply additional paint near the radar sensors. These conditions may reduce the ability of the radar to detect other vehicles**
- **Excessive noise (e.g. audio system volume, open vehicle window) will interfere with the chime sound, and it may not be heard.**

[Edit: 2021/ 9/ 22 Model: T32-A]

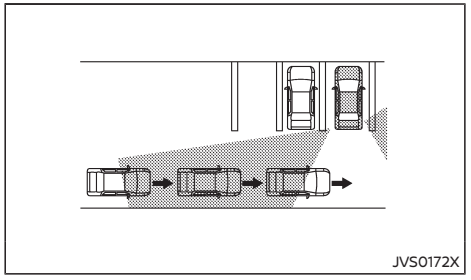


Illustration 1

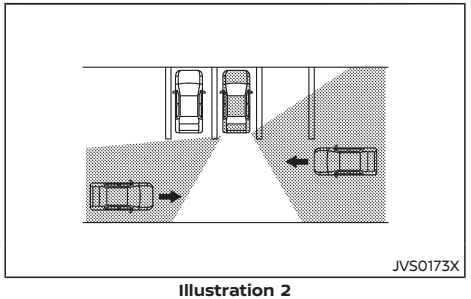
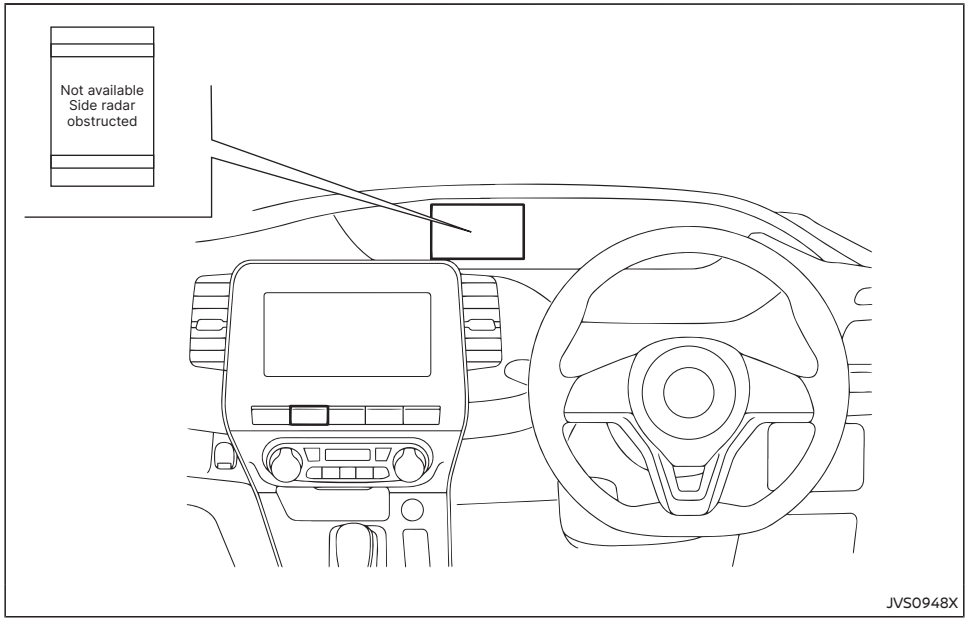


Illustration 2

NOTE:

In the case of several vehicles approaching in a row (Illustration 1) or in the opposite direction (Illustration 2), a chime may not be sounded by the RCTA system after the θstu vehicle passes the sensors.

SYSTEM TEMPORARILY UNAVAILABLE



① Vehicle information display

When radar blockage is detected, the system will be deactivated automatically. The "Not available: Side Radar Obstructed" warning message will appear in the vehicle information display.

The systems are not available until the conditions no longer exist.

The radar sensors may be blocked by temporary ambient conditions such as splashing water, mist or fog.

The blocked condition may also be caused by objects such as ice, frost or dirt obstructing the radar sensors.

NOTE:

If the BSW system stops working, the RCTA system will also stop working.

[Edit: 2021/ 9/ 22 Model: T32-A]

Action to take:

When the above conditions no longer exist, the system will resume automatically.

SYSTEM MALFUNCTION

When the RCTA system malfunctions, it will turn off automatically. The "System fault" warning message will appear in the vehicle information display.

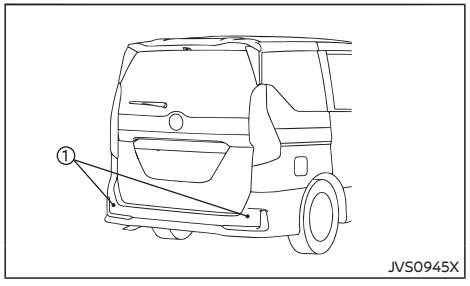
NOTE:

If the BSW system stops working, the RCTA system will also stop working.

Action to take:

Stop the vehicle in a safe location, turn the engine off and restart the engine. If the message continues to appear, have the system checked by a NISSAN dealer.

SYSTEM MAINTENANCE



The two radar sensors ① for the RCTA systems are located near the rear bumper. Always keep the area near the radar sensors clean.

The radar sensors may be blocked by temporary ambient conditions such as splashing water, mist or fog.

The blocked condition may also be caused by objects such as ice, frost or dirt obstructing the radar sensors.

Check for and remove objects obstructing the area around the radar sensors.

Do not attach stickers (including transparent material), install accessories or apply additional paint near the radar sensors.

Do not strike or damage the area around the radar sensors. It is recommended that you visit a NISSAN dealer if the area around the radar sensors is damaged due to a collision.

For the radio approval numbers and information, see "Radio approval number and information" (P.9-14).

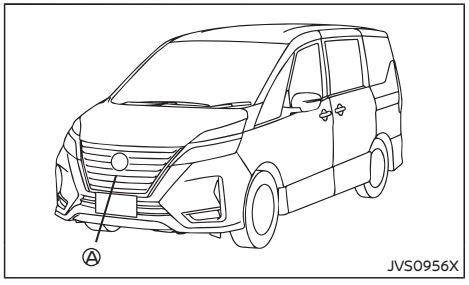
INTELLIGENT EMERGENCY BRAKING (if equipped)

WARNING:

Failure to follow the warnings and instructions for proper use of the Intelligent Emergency Braking system could result in serious personal injury or death.

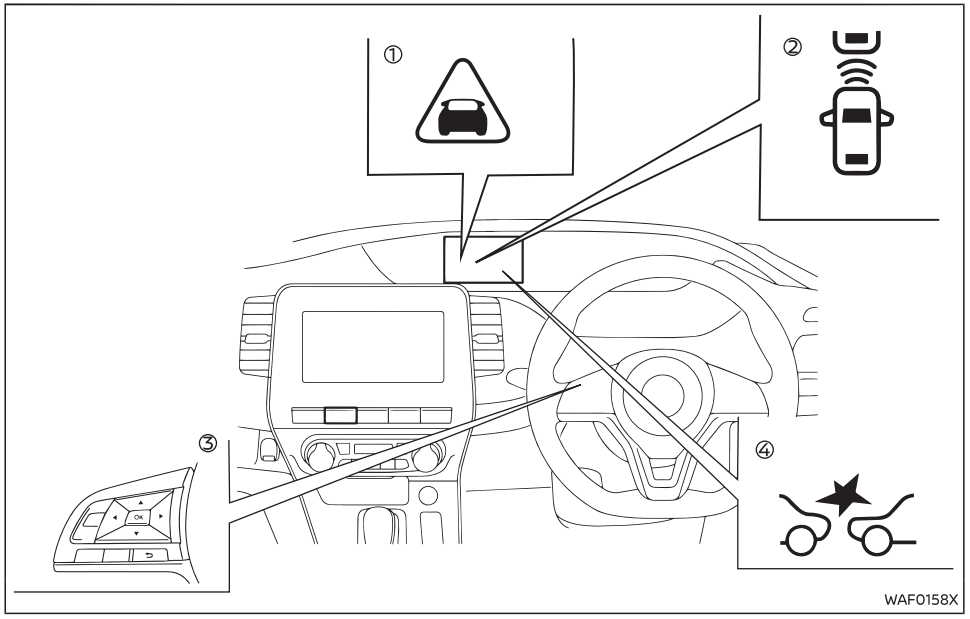
- **The Intelligent Emergency Braking system is a supplemental aid to the driver. It is not a replacement for the driver's attention to traffic conditions or responsibility to drive safely. It cannot prevent accidents due to carelessness or dangerous driving techniques.**
- **The Intelligent Emergency Braking system does not function in all driving, traffic, weather and road conditions.**

The Intelligent Emergency Braking system can assist the driver when there is a risk of a forward collision with the vehicle ahead in the traveling lane.



The Intelligent Emergency Braking system uses a radar sensor Ⓐ located on the front of the vehicle to measure the distance to the vehicle ahead in the same lane.

[Edit: 2021/ 9/ 22 Model: T32-A]



① Intelligent Emergency Braking emergency warning indicator

② Vehicle ahead detection indicator

③ Steering-wheel-mounted controls (left side)

④ Intelligent Emergency Braking system warning light (on the meter panel)

Warning	Visual	Audible
First		Chime
Second		High pitched chime

INTELLIGENT EMERGENCY BRAKING SYSTEM OPERATION

The Intelligent Emergency Braking system will function when your vehicle is driven at speeds above approximately 5 km/h (3 MPH).

If a risk of a forward collision is detected, detection system will firstly provide the warning to the driver by flashing the vehicle ahead detecyion indicator (yellow) in the vehicle information display and providing an audible alert.

if the driver applies the brakes quickly and forcefully after the warning, and the Intelligent

[Edit: 2021/ 9/ 22 Model: T32-A]

Emergency Braking system detects that there is still the possibility of a forward collision, the system will automatically increase the braking force.

If the driver does not take action, the Intelligent Emergency Braking system issues the second visual (flashing red and white) and audible warning, if the driver releases the accelerator pedal, then the system applies partial braking.

If the risk of a collision becomes imminent, the Intelligent Emergency Braking system applies harder braking automatically.

While the Intelligent Emergency Braking system is operating, you may hear the sound of brake operation. This is normal and indicates that the Intelligent Emergency Braking system is operating properly.

NOTE:

The vehicle's stop lights come on when braking is performed by the Intelligent Emergency Braking system.

Depending on vehicle speed and distance to the vehicle ahead, as well as driving and roadway conditions, the system may help the driver avoid a forward collision or may help mitigate the consequences of a collision should one be unavoidable.

If the driver is handling the steering wheel, accelerating or braking, the Intelligent Emergency Braking system will function later or will not function.

The automatic braking will cease under the following conditions:

- When the steering wheel is turned as far as necessary to avoid a collision.
- When the accelerator pedal is depressed.
- When there is no longer a vehicle detected ahead.

If the Intelligent Emergency Braking system has stopped the vehicle, the vehicle will remain at a standstill for approximately 2 seconds before the brakes are released.

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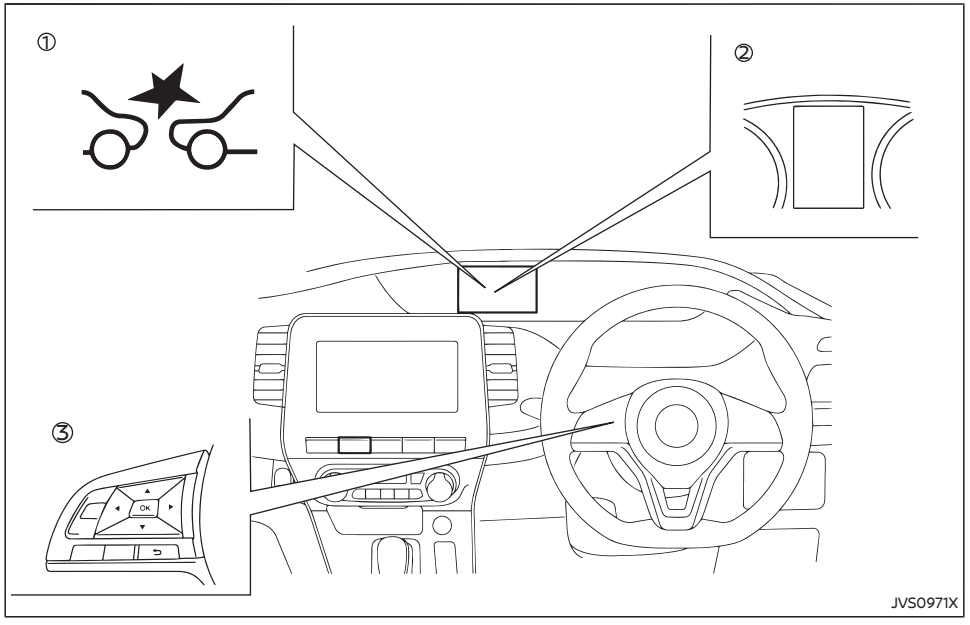
TURNING THE INTELLIGENT EMERGENCY BRAKING SYSTEM ON/OFF



① Intelligent Emergency Braking system warning light (on the instrument panel)
② Vehicle information display
③ Steering-wheel-mounted controls (left side)

Perform the following steps to enable or disable the Intelligent Emergency Braking system.

1. Press the ◀ ▶ button until "Settings" displays in the vehicle information display and then press "OK" button. Use the ▲▼ button to select "Driver Assistance". Then press the "OK" button.
2. Select "Driving Aids" and press the "OK" button.
3. To set the Intelligent Emergency Braking system to on or off, use the "OK" button to check the box for "Emergency Brake."

When the Intelligent Emergency Braking system is turned off, the Intelligent Emergency Braking system warning light (orange) ① illuminates.

NOTE:

The Intelligent Emergency Braking system will be automatically turned ON when the engine is restarted.

INTELLIGENT EMERGENCY BRAKING SYSTEM LIMITATIONS

WARNING:

Listed below are the system limitations for the Intelligent Emergency Braking system. Failure to operate the vehicle in accordance with these system limitations could result in serious injury or death.

- **The Intelligent Emergency Braking system cannot detect all vehicles under all conditions.**
- **The radar sensor does not detect the following objects:**
  - **— Pedestrians, animals or obstacles in the roadway**
  - **— Oncoming vehicles**
  - **— Crossing vehicles**
- **The radar sensor has some performance limitations. If a stationary vehicle is in the vehicle's path, the Intelligent Emergency Braking system will not function when the vehicle is driven at speeds over approximately 80 km/h (50 MPH).**
- **The radar sensor may not detect a vehicle ahead in the following conditions:**

[Edit: 2021/ 9/ 22 Model: T32-A]

— Dirt, ice, snow or other material covering the radar sensor.

— Interference by other radar sources.

— Snow or road spray from traveling vehicles.

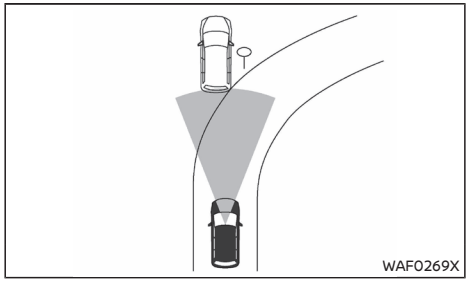
— If the vehicle ahead is narrow (e.g. motorcycle)

— When driving on a steep downhill slope or roads with sharp curves.

— When your vehicle is towing a trailer, etc. (for Australia, New Zealand, South Africa, Argentina and Europe)

- In some road or traffic conditions, the Intelligent Emergency Braking system may unexpectedly push the accelerator pedal up or apply partial braking. When acceleration is necessary, continue to depress the accelerator pedal to override the system.
- The Intelligent Emergency Braking system may react to:

  — objects on the roadside (traffic sign, guardrail, vehicle, etc.)



— objects above road (low bridge, traffic sign, etc.)

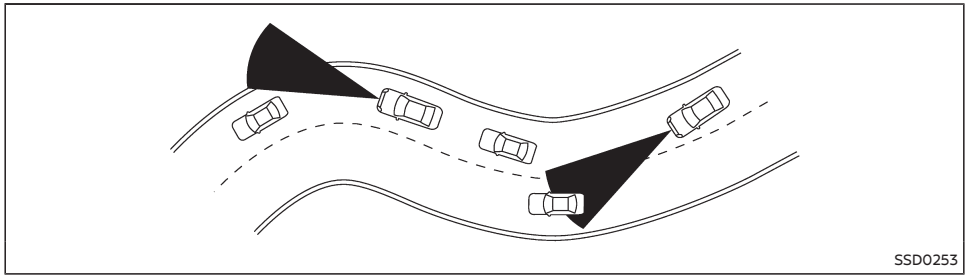
— objects on the road surface (railroad track, grate, steel plate, etc.)

— objects in the parking garage (beam, etc.)

— vehicles or objects in adjacent lane or close to the vehicle

- Braking distances increase on slippery surfaces.
- The system is designed to automatically check the sensor's functionality, within certain limitations. The system may not detect some forms of obstruction of the sensor area such as ice, snow, stickers, for example. In these cases, the system may not be able to warn the driver properly. Be sure that you check, clean and clear the sensor area regularly.
- Excessive noise will interfere with the warning chime sound, and the chime may not be heard.

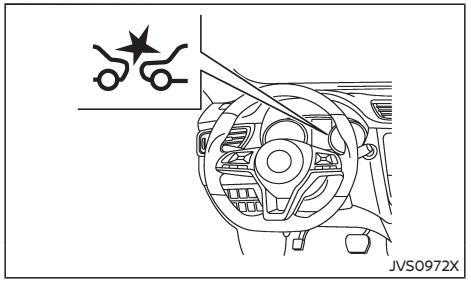
[Edit: 2021/ 9/ 22 Model: T32-A]


SSD0253

When driving on some roads, such as winding, hilly, curved, narrow roads, or roads which are under construction, the sensor may detect vehicles in a different lane, or may temporarily not detect a vehicle traveling ahead. This may cause the system to work inappropriately.

The detection of vehicles may also be affected by vehicle operation (steering maneuver or traveling position in the lane, etc.) or vehicle condition. **If this occurs, the system may warn you by blinking the system indicator and sounding the chime unexpectedly. You will have to manually control the proper distance away from the vehicle traveling ahead.**

SYSTEM TEMPORARILY UNAVAILABLE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Condition A

When the radar sensor picks up interference from another radar source, making it impossible to detect a vehicle ahead, the Intelligent Emergency Braking system is automatically turned off.

The Intelligent Emergency Braking system warning light (orange) will illuminate.

Action to take

When the above conditions no longer exist, the Intelligent Emergency Braking system will resume automatically.

Condition B

In the following condition, the Intelligent Emergency Braking system warning light (orange) will illuminate and the "Not available: Front radar obstructed" warning message will appear in the vehicle information display.

- The sensor area on the front of the vehicle is covered with dirt or is obstructed.

Action to take

If the warning light (orange) comes on, stop the vehicle in a safe place and turn the engine off. Clean the radar cover on the front of the vehicle with a soft cloth, and restart the engine. If the warning light continues to illuminate, have the Intelligent Emergency Braking system checked by a NISSAN dealer.

- When driving on roads with limited road structures or buildings (for example, long bridges, deserts, snow fields, driving next to long walls).

Action to take

When the above conditions no longer exist, the Intelligent Emergency Braking system will resume automatically.

Condition C

When Vehicle Dynamic Control (VDC)/Electronic Stability Program (ESP) system is OFF, the Intelligent Emergency Braking brake will not operate. In this case only visible and audible warning operates. The Intelligent Emergency Braking system warning light (orange) will illuminate.

Action to take

When the VDC/ESP system is ON, the Intelligent Emergency Braking system will resume automatically.

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Condition D:

In the following conditions, the IEB system warning light blinks and the system will be turned off automatically.

- The camera area of the windscreen is misted or frozen.
- The camera area of the windscreen is continuously covered with dirt, etc.

Action to take:

Check that the windscreen is clean and free from ice/mist in front of the camera. If necessary, operate the Max Demist function or heated front screen to clear. This may take several minutes.

When the above condition no longer exists, the IEB system will resume automatically.

Condition E:

In the following conditions, the Intelligent Emergency Braking warning light will blink, with no accompanying message in the vehicle information display.

- Strong light is shining onto the front of the vehicle.
- The cabin temperature is over approximately 40 °C (104 °F) in direct sunlight.
- The camera unit detects that it is not correctly aligned.

Action to take:

None. When the above condition no longer exists, the IEB system will resume automatically.

NOTE

If the inside of the windscreen in front of the camera is misted or frozen, it will take a period of time to for it to clear after the air conditioner turns on. If dirt appears in this area, it is recommended you visit a NISSAN dealer.

Condition F:

In the following conditions, the Intelligent Emergency Braking system warning light and Intelligency Emergency Braking emergency warning indicator blinki and the system will be turned off automatically.

- The camera unit detects that the camera area of the windscreen is continuously covered with dirt, etc.
- The camera unit cannot detect the front area because of a strong light is shining onto the front of the vehicle.
- When the camera unit becomes hot due to parking under the blazing sun, etc. When the cabin temperature is cooled down, the system will resume automatically.

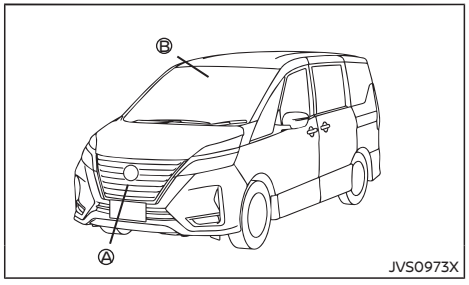
SYSTEM MALFUNCTION

If the Intelligent Emergency Braking system malfunctions, it will be turned off automatically, a chime will sound, the Intelligent Emergency Braking system warning light (orange) will illuminate and the "System fault" warning message will appear in the vehicle information display.

Action to take:

If the Intelligent Emergency Braking system warning light (orange) comes on, stop the vehicle in a safe location. Turn the engine off and restart the engine. If the warning light continues to illuminate, have the Intelligent Emergency Braking system checked by a NISSAN dealer.

SYSTEM MAINTENANCE



The radar sensor Ⓐ is located on the front of the vehicle. The camera Ⓑ is located on the upper side of the windshield.

To keep the Intelligent Emergency Braking system operating properly, be sure to observe the following:

- Always keep the sensor area on the front of the vehicle and windshield clean.
- Do not strike or damage the areas around the sensors (ex. Bumper, windshield).
- Do not cover or attach stickers or similar objects on the front of the vehicle near the sensor area. This could cause failure or malfunction.
- Do not attach metallic objects near the radar sensor area (brush guard, etc.). This could cause failure or malfunction.
- Do not place reflective materials, such as white paper or a mirror, on the instrument panel. The reflection of sunlight may adversely affect the camera unit's detection capability.
- Do not alter, remove or paint the front of the vehicle near the sensor area. Contact a NISSAN dealer before customizing or restoring the sensor area.

For the radio approval numbers and information, see "Radio approval number and information" (P.9-14).

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MEMO

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[Edit: 2017/ 3/ 30 Model: C27-A]

GAS STATION INFORMATION

FUEL INFORMATION

Gasoline engine (model with three-way catalyst)

CAUTION:

Do not use leaded gasoline. Using leaded gasoline will damage the three-way catalyst.

Use UNLEADED REGULAR gasoline with an octane rating of at least 91 (RON).

RECOMMENDED ENGINE OIL

See "Recommended fluids/lubricants and capacities" (P.9-2).

TIRE COLD PRESSURE

See the tire placard affixed to the driver's side center pillar.

QUICK REFERENCE

NISSAN

Nissan Customer Care Centre
Toll Free: 1800 88 3838

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C27-A