

Getting The Most From Your NISSAN ALMERA



OWNER'S MANUAL

WELCOME TO YOUR NEW NISSAN ALMERA

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Foreword

Welcome to the growing family of new NISSAN owners. This vehicle has been delivered to you with confidence. It has been produced using the latest techniques and strict quality control.

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.

Throughout this manual, some illustrations may only show the layout for Left-Hand Drive (LHD) models. For Right-Hand Drive (RHD) models, the illustrated shape and location of some components may differ.

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.

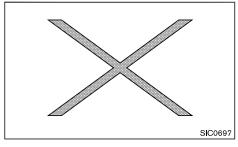
Read first — then drive safely

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 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 (if equipped):



"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 label" (P.1-22).

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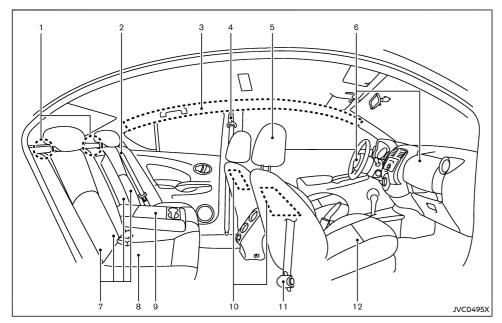
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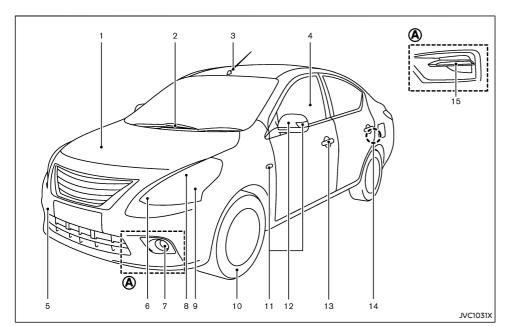
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- *: if equipped

EXTERIOR FRONT

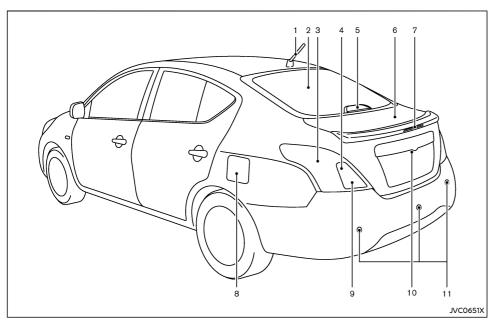


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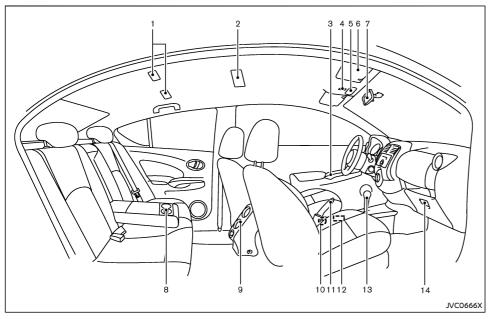


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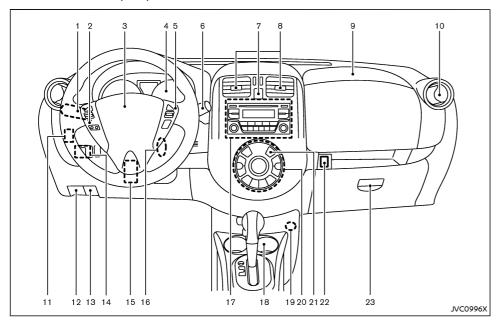
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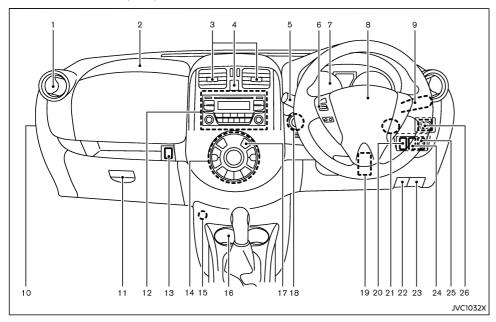


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- *: if equipped

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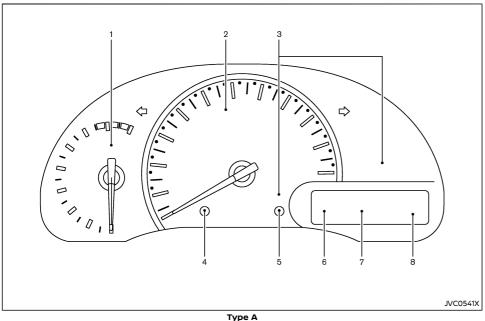


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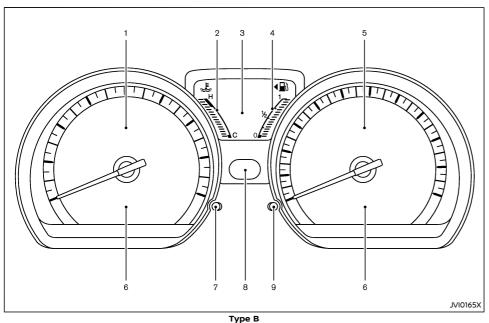
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- if equipped



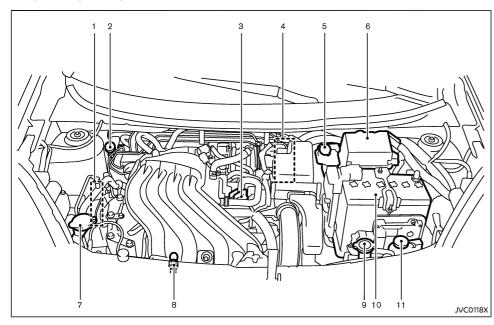
if equipped

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 - Right-Hand Drive (RHD) model
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- Brake and clutch* fluid reservoir (P.8-16, P.8-17)
 - Left-Hand Drive (LHD) model

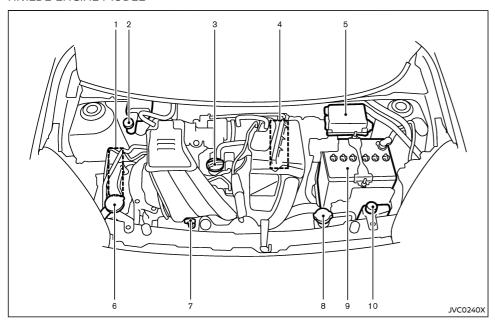
- 6. Fuse/fusible link box (P.8-24)
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*: For Manual Transmission (MT) Model

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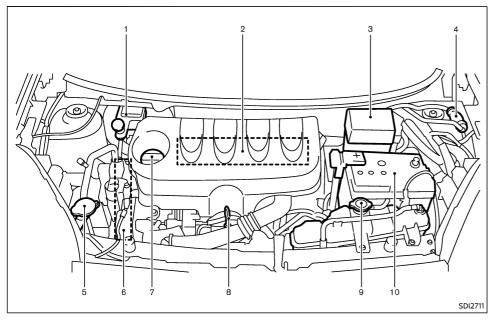
HR12DE ENGINE MODEL



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- Fuse/fusible link box (P.8-24) 5.
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- *: For Manual Transmission (MT) Model

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- 5. Window washer fluid reservoir (P.8-20)
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- 7. Engine oil filler cap (P.8-10)

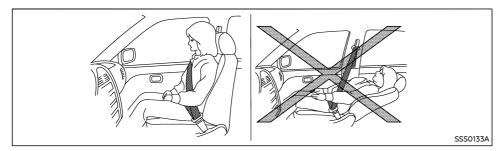
- 8. Engine oil dipstick (P.8-10)
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SEATS





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.1-6).)
- 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 assis-

tance 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



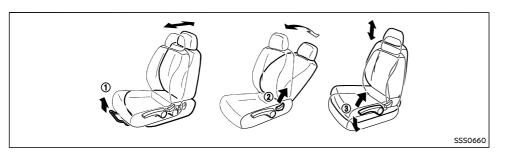
WARNING:

Do not adjust the driver's seat while driving so that full attention may be given to vehicle operation. Manual seat adjustment



WARNING:

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 the loss of control of the vehicle.



Forward and backward:

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

Reclining:

- Pull up the adjusting lever 2).
- 2. Tilt the seatback to the desired position.
- 3. Release the adjusting lever to lock the seatback in position.

The reclining feature allows the adjustment of the seatback for occupants of different sizes to help obtain the proper seat belt fit. (See "Seat belts" (P.1-6).)

The seatback may be reclined to allow occupants to rest when the vehicle is parked.

Seat lifter (if equipped):

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

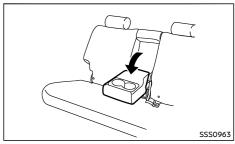
ARMREST (if equipped)

Front (driver's seat)



Pull the armrest down until it is horizontal.

Rear



Pull the armrest down until it is horizontal.

HEAD RESTRAINTS



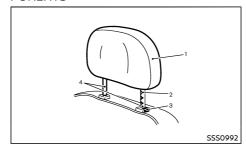
WARNING:

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

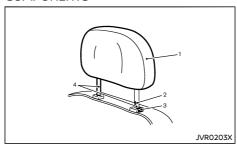
seating position.

ADJUSTABLE HEAD RESTRAINT COM-**PONENTS**



- Removable head restraint
- Multiple notches
- 3 Lock knob
- 4 Stalks

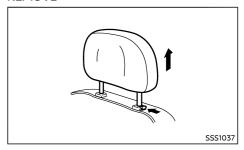
NON-ADJUSTABLE HEAD RESTRAINT COMPONENTS



Removable head restraint.

- 2. Single notch
- 3 Lock knob
- 4 Stalks

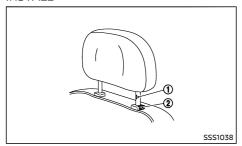
REMOVE



Use the following procedure to remove the adjustable head restraints.

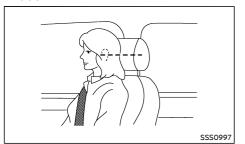
- 1. Pull the head restraint up to the highest position.
- Push and hold the lock knob.
- Remove the head restraint from the seat
- 4. Store the head restraint properly in a secure place so it is not loose in the vehicle.
- 5. Reinstall and properly adjust the head restraint before an occupant uses the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

INSTALL



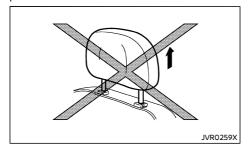
- 1. Align the head restraint stalks with the holes in the seat. Make sure that the head restraint is facing the correct direction. The stalk with the adjustment notch 1 must be installed in the hole with the lock knob 2.
- 2. Push and hold the lock knob and push the head restraint down
- 3. Properly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

ADJUST



For adjustable head restraint

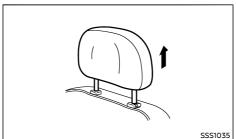
Adjust the head restraint so the center is level with the center of your ears. If your ear position is still higher than the recommended alignment, place the head restraint at the highest position.



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.

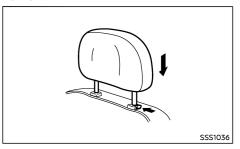
Raise



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



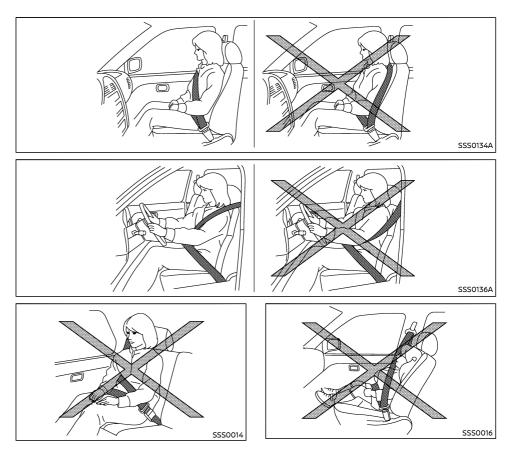
To lower, push and hold the lock knob and push the head restraint down.

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

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.





WARNING:

- Seatbelts are designed to bear upon the bony structure of the body, and should be worn low across the front of the pelvis or the pelvis, chest and shoulders, as applicable; wearing the lap section of the belt across the abdominal area must be avoided. Serious injury may occur if a seat belt is not worn properly.
- Position the lap belt as low and snug as possible around the hips, not the waist, A lap belt worn too high could increase the risk of internal injuries in an accident.
- Do not allow more than one person to use the same seat belt. Each belt assembly must only be used by one occupant; it is dangerous to put a belt around a child being carried on the occupant's lap.
- Never carry more people in the vehicle than there are seat belts.
- Never wear seat belts inside out. Belts should not be worn with straps twisted. Doing so may reduce their effectiveness.
- Seatbelts should be adjusted as firmly as possible, consistent with comfort, to provide the protection for which they have been designed. A slack belt will greatly reduce the protection afforded to the wearer.
- Every person who drives or rides in this vehicle should use a seat belt at all times. Children should be properly restrained in the rear seat and, if appropriate, in a child restraint system.
- Do not put the belt behind your back or under your arm. Always route the shoulder belt over your shoulder and across your chest. The belt should be

- away from your face and neck, but not falling off your shoulder. Serious injury may occur if a seat belt is not worn properly.
- No modifications or additions should be made by the user which will either prevent the seat belt adjusting devices from operating to remove slack, or prevent the seat belt assembly from being adjusted to remove slack.
- Care should be taken to avoid contamination of the webbing with polishes, oils and chemicals, and particularly battery acid. Cleaning may safely be carried out using mild soap and water. The belt should be replaced if webbing becomes fraved, contaminated or damaged.
- All seat belt assemblies including retractors and attaching hardware should be inspected after any collision by a NISSAN dealer. NISSAN recommends that all seat belt assemblies in use during a collision be replaced unless the collision was minor and the belts show no damage and continue to operate properly. Seat belt assemblies not in use during a collision should also be inspected and, when necessary, replaced if either damage or improper operation is noted.
- It is essential to replace the entire assembly after it has been worn in a severe impact even if damage to the assembly is not obvious.
- Once the pre-tensioner seat belt (if equipped) has activated, it cannot be reused. It must be replaced together with the retractor. Contact a NISSAN dealer.
- Removal and installation of the pre-tensioner seat belt system components (if equipped) should be done by a NISSAN

dealer.

CHILD SAFETY

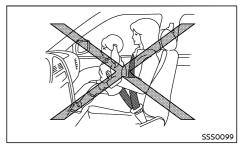


WARNING:

- Infants and children need special protection. The vehicle's seat belts may not fit them properly. The shoulder belt may come too close to the face or neck. The lap belt may not fit over their small hipbones. In an accident, an improperly fitted seat belt could cause serious or fatal injury.
- Always use an appropriate child restraint system.

Children need adults to help protect them. They need to be properly restrained. The proper restraint depends on the child's size.

Infants and small children



NISSAN recommends that infants and small children be seated in a child restraint system. You should choose a child restraint system that fits your vehicle and the child, and always follow the manufacturer's instructions for installation and use.

Large children



WARNING:

- Never allow children to stand or kneel on any seats.
- Never allow children in the luggage area 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.

THREE-POINT TYPE SEAT BELTS

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.

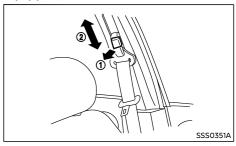
- 1. Adjust the seat. (See "Seats" (P.1-2).)
- Slowly pull the seat belt out of the retractor and insert the tongue into the buckle until you hear and feel the latch engage.
 - The retractor is designed to lock during a sudden stop or on impact. A slow pulling motion permits the belt to move, and allows 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.



- 3. Position the lap belt portion low and snug on the hips as shown.
- 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.

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.

TWO-POINT TYPE SEAT BELTS (if equipped)

Fastening seat belts

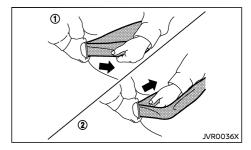




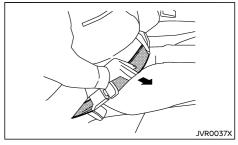
WARNING:

Seat belts are most effective when the passenger sits well back and straight up in the seat.

1. Insert the tongue into the buckle marked CENTER until you hear and feel the latch engage.



2. Adjust the seat belt length. To shorten, hold the tongue and pull the upper belt as illustrated (1). To lengthen, hold the tongue and pull the under belt as illustrated (2).

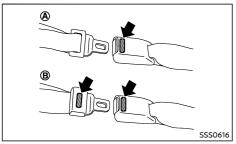


3. Position the lap belt portion low and snug on the hips as shown.

Unfastening seat belts
Push the button on the buckle.

CENTER MARK ON SEAT BELTS

Selecting correct set of seat belts



The center seat belt buckle (a) or both the buckle and the tongue (b) are identified by the CENTER mark. The center seat belt tongue can be fastened only into the center seat belt buckle

SEAT BELT MAINTENANCE

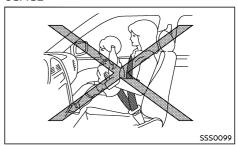
Periodically check that the seat belt and all the metal components, such as buckles, tongues, retractors, flexible wires and anchors, work properly. If loose parts, deterioration, cuts or other damage on the seat belt webbing is found, the entire seat belt assembly should be replaced.

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.

CHILD RESTRAINTS

PRECAUTIONS ON CHILD RESTRAINT USAGE





WARNING:

- 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, it is dangerous to put a seat belt around a child being carried on the occupant's lap.
- Infants and children need special protection. The vehicle's seat belts may not fit them properly. The shoulder belt may come too close to the face or neck. The lap belt may not fit over their small hip bones. In an accident, an improperly fitting seat belt could cause serious or fatal injury.
- Infants and small children should always be placed in an appropriate child restraint system while riding in the vehicle. Failure to use a child restraint system can result in serious injury or death.

- Child restraint systems specially designed for infants and small children are available from several manufacturers. When selecting any child restraint systems, place your child in the child restraint system and check the various adjustments to be sure that the child restraint system is compatible with your child. Always follow the manufacturer's instructions for installation and use.
- NISSAN recommends that the child restraint system be installed in the rear seat. According to accident statistics, children are safer when properly restrained in the rear seat rather than in the front seat.
- Follow all of the child restraint system manufacturer's instructions for installation and use. When purchasing a child restraint system, 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 systems in your vehicle.
- For a front-facing child restraint system, check to make sure the shoulder belt does not fit close to child's face or neck. If it does, put the shoulder belt behind the child restraint system.
- Never install a rear-facing child restraint system in the front seat when the front passenger's air bag is equipped. An inflating supplemental front-impact air bag could seriously injure or kill your child. A rear-facing child restraint system must only be used in the rear seat.
- Adjustable seatbacks should be positioned to fit a child restraint system, but as upright as possible.

- If the seat belt in the position where a child restraint system is installed requires a locking clip and if it is not used, injuries could result from a child restraint system tipping over during normal vehicle braking or cornering.
- After attaching a child restraint system, test it before you place the child in it. Tilt it from side to side. Try to tug it forward and check if it is held securely in place. The child restraint system 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.
- Check the child restraint system in your vehicle to be sure that it is compatible with the vehicle's seat belt system.
- If a child restraint system is not anchored properly, the risk of a child being injured in a collision or a sudden stop greatly increases.
- Improper use of a child restraint system can increase the risk or severity of injury for both the child and other occupants in the vehicle.
- Always use an appropriate child restraint system. An improperly installed child restraint system could lead to serious iniury or death in an accident.
- When the child restraint system is not in use, keep it secured with the ISOFIX child restraint system (if equipped) or a seat belt to prevent it from being thrown around in case of a sudden stop or accident.

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



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 system.

UNIVERSAL CHILD RESTRAINTS FOR FRONT SEAT AND REAR SEATS (for India)

When selecting any child restraint, keep the following points in mind:

- Choose a child restraint that complies with AIS 072-2009
- Place your child in the child restraint and check the various adjustments to be sure the child restraint is compatible with your child. Always follow all of the recommended procedures.
- Check the child restraint in your vehicle to be sure it is compatible with vehicle's seat belt system.
- Refer to the table later in this section for a list of the recommended fitment positions.

Approved child restraint positions

The following restriction is applied when using child restraints varying by infants weight and installation position.

	Seating position		
Mass group	Front passenger	Rear Outboard	Rear Center
Group 0 up to 10 kg	×	U	×
Group 0+ up to 13 kg	×	U	×
Group I 9 to 18 kg	UF	U	×
Group II 15 to 25 kg	UF	U	×
Group III 22 to 36 kg	UF	U	×

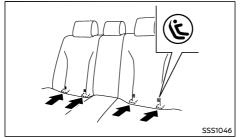
- U: Suitable for "universal" category restraints approved for use in this mass group.
- UF: Suitable for forward-facing "universal" category restraints approved for use in this mass group.
- Seat position not suitable for children in this mass group.

ISOFIX CHILD RESTRAINT SYSTEM (if equipped)

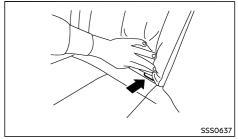
Your vehicle is equipped with special anchor points that are used with ISOFIX child restraint systems.

ISOFIX lower anchor point locations

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



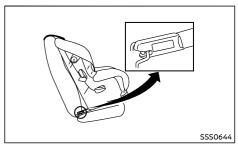
ISOFIX label location



ISOFIX lower anchor location

The ISOFIX anchors are located at the rear of the seat cushion near the seatback. 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.1-13).)

CHILD RESTRAINT ANCHORAGE (if equipped)

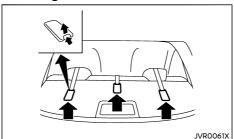
Your vehicle is designed to accommodate a child restraint system on the rear seat. When installing a child restraint system, carefully read and follow the instructions in this manual and those supplied with the child restraint system.



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



The anchor points are located on the rear parcel shelf for the center (if equipped), right and left outboard seating positions of the rear seat.

CHILD RESTRAINT INSTALLATION USING ISOFIX (if equipped)



WARNING:

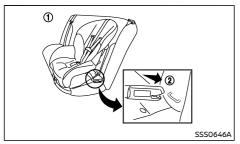
- Attach ISOFIX child restraints only at the specified locations. For the ISOFIX lower anchor locations, see "ISOFIX child restraint system" (P.1-12). If a child restraint is not secured properly, your child could be seriously injured or killed in an accident.
- Do not install child restraints that require 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 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.

Installation on rear outboard seats

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 rear outboard seats using ISOFIX:



Steps 1 and 2

- 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 seatback. If necessary, adjust or remove the head restraint to obtain the correct child restraint fit. (See "Head restraints" (P.1-4).) 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 different child restraint.



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
- 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" (P.1-13).)
- 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.

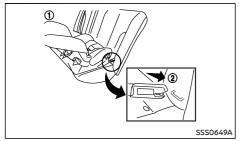


Step 7

- 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:

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 outboard seats using ISOFIX:



Steps 1 and 2

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



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" (P.1-13).)

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



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.

INSTALLATION OF CHILD RESTRAINT **SYSTEM**

Installation on rear seats (three-point type seat belt)



WARNING:

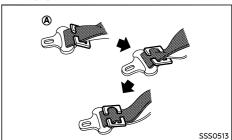
The direction of the child restraint system depends on the type of the child restraint system and the size of the child.

Front-facing:



If you must install a front-facing child restraint system on the rear seat, follow these steps:

- 1. Position the front-facing child restraint system on the rear seat.
 - Always follow the child restraint system manufacturer's instructions for installation and use.
- 2. Route the seat belt tongue through the child restraint system and insert it into the buckle until you hear and feel the latch engage.



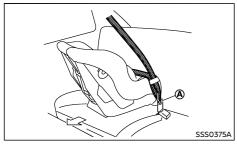
To prevent slack in the lap belt, it is

necessary to secure the shoulder belt in place with a locking clip @ Use the locking clip attached to the child restraint system or one which is equivalent in dimension and strength.

Be sure to follow the child restraint system manufacturer's instructions for belt routing.

- Test the child restraint system before you place the child in it. Tilt it from side to side. Try to tug it forward and check if it is held securely in place.
- 4. Make sure that the child restraint system is properly secured prior to each use.

Rear-facing:

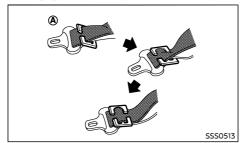


If you must install a rear-facing child restraint system on the rear seat, follow these steps:

 Position the rear-facing child restraint system on the rear seat.

Always follow the child restraint system manufacturer's instructions for installation and use.

Route the seat belt tongue through the child restraint system and insert it into the buckle until you hear and feel the latch engage.



To prevent slack in the lap belt, it is necessary to secure the shoulder belt in place with a locking clip (a). Use the locking clip attached to the child restraint system or one which is equivalent in dimension and strength.

Be sure to follow the child restraint system manufacturer's instructions for belt routing.

- Test the child restraint system before you place the child in it. Tilt it from side to side. Try to tug it forward and check if it is held securely in place.
- Make sure that the child restraint system is properly secured prior to each use.

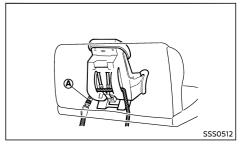
Installation on rear center seat (twopoint type seat belt) (if equipped)



WARNING:

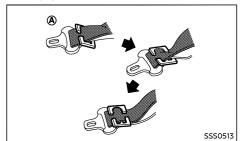
The direction of the child restraint system depends on the type of the child restraint system and the size of the child.

Front-facing:



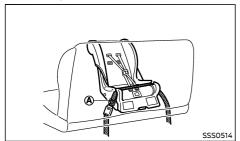
If you must install a front-facing child restraint system on the rear center seat, follow these steps:

- 1. Position the front-facing child restraint system on the rear center seat.
 - Always follow the child restraint system manufacturer's instructions for installation and use.
- Route the seat belt tongue through the child restraint system and insert it into the buckle until you hear and feel the latch engage.



- 3. To prevent slack in the lap belt, it is necessary to secure the lap belt in place with a locking clip (A). Use the locking clip attached to the child restraint system, or one which is equivalent in dimensions and strenath.
 - Be sure to follow the child restraint system manufacturer's instructions for belt routina.
- 4. Test the child restraint system before you place the child in it. Tilt it from side to side. Try to tug it forward and check if it is held securely in place.
- 5. Make sure that the child restraint system is properly secured prior to each use.

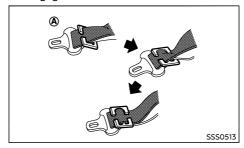
Rear-facing:



If you must install a rear-facing child restraint system on the rear center seat, follow these steps:

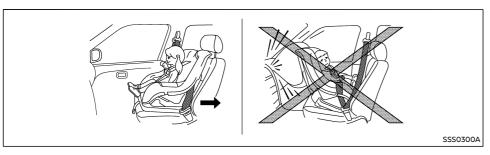
- Position the rear-facing child restraint system on the rear center seat
 - Always follow the child restraint system manufacturer's instructions for installation and use.

2. Route the seat belt tongue through the child restraint system and insert it into the buckle until vou hear and feel the latch engage.



- 3. To prevent slack in the lap belt, it is necessary to secure the lap belt in place with a locking clip (A). Use the locking clip attached to the child restraint system, or one which is equivalent in dimensions and strength.
 - Be sure to follow the child restraint system manufacturer's instructions for belt routina.
- 4. Test the child restraint system before you place the child in it. Tilt it from side to side. Try to tug it forward and check if it is held securely in place.
- 5. Make sure that the child restraint system is properly secured prior to each use.

Installation on front seat

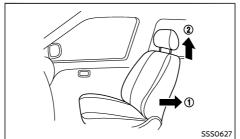




WARNING:

- Never install a rear-facing child restraint on the front passenger's seat when the front passenger's air bag is equipped. 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 system be installed on the rear seat. However, if you must install a frontfacing child restraint system 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 equipped.

Front-facing:



If you must install a front-facing child restraint system on the front seat, follow these steps:

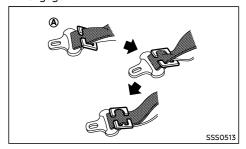
- 1. Move the seat to the rearmost position ①.
- 2. Adjust the head restraint to its highest position ②.
- Position the front-facing child restraint system on the front passenger's seat. It should be placed in the front-facing direction only.

Always follow the child restraint system

manufacturer's instructions for installation and use.



Route the seat belt tongue through the child restraint system and insert it into the buckle until you hear and feel the latch engage.



 To prevent slack in the lap belt, it is necessary to secure the shoulder belt in place with a locking clip (a). Use the locking clip attached to the child restraint system, or one which is equivalent in dimensions and strength.

Be sure to follow the child restraint system manufacturer's instructions for belt rout-

SUPPLEMENTAL RESTRAINT SYSTEM (SRS)

ing.

- 6. Slide the seat forward so that the seat belt fully tightens the child restraint system.
- 7. Test the child restraint system before you place the child in it. Tilt it from side to side. Try to tug it forward and check if it is held securely in place.
- 8. Make sure that the child restraint system is properly secured prior to each use.

PRECAUTIONS ON SUPPLEMENTAL RE-STRAINT SYSTEM (SRS)

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

Supplemental front-impact air bag system (if equipped)

This system can help cushion the impact force to the head and chest area of the driver and/or front passenger (if equipped) 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 (if equipped)

This system can help cushion the impact force to the chest and pelvis areas 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 (if equipped)

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.

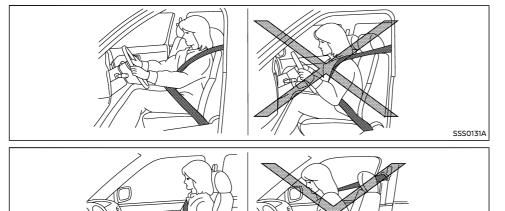
The SRS is designed to supplement the acci-

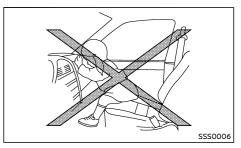
dent protection provided by the driver's seat belt and is not designed to substitute for it. The SRS can help save lives and reduce serious injuries. However, inflating air bags may cause abrasions or other injuries. Air bags do not provide protection to the lower body. Seat belts should always be correctly worn and the occupants should always be seated a suitable distance away from the steering wheel. (See "Seat belts" (P.1-6).) 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.

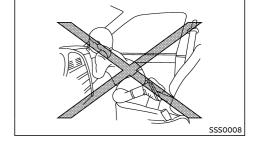
The SRS operates only when the ignition switch is in the "ON" position.

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 is operational. (See "SRS air bag warning light" (P.1-23).)









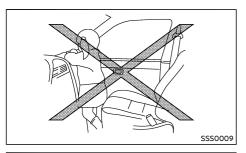


WARNING:

- 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 are unrestrained, leaning forward, sitting sideways, or out of position in any way,

you are at greater risk of injury or death in an accident. You 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. Always use the seat belts.

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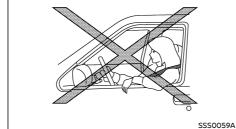


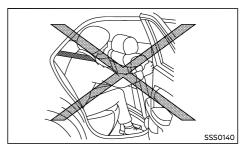


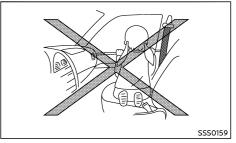


WARNING:

- 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 air bags inflate if they are not properly restrained.
- Never install a rear-facing child restraint system in the front seat. An inflating supplemental front-impact air bag could seriously injure or kill your child. (See "Child restraints" (P.1-10).)











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 sideimpact 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.

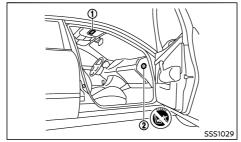
 Do not use seat covers on the front seatbacks. They may interfere with the supplemental side-impact air bag inflations.

Pre-tensioner seat belt system (if equipped)

The pre-tensioner seat belt system may activate with the supplemental air bag system in certain types of collisions.

Working with the seat belt retractor and anchor, 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.1-27).)

Air bag warning label (if equipped)



Label location

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

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

The warning label ② (if equipped) 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.

Type A:



① Air bag warning label (sample)

The label ① design varies depending on the model.

The label warns:

"Extreme Hazard! Do not use a rearward facing child restraint on a seat protected by an airbag in front of it!"

Type B:



1 Air bag warning label

The label 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.1-10).

SRS air bag warning light



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

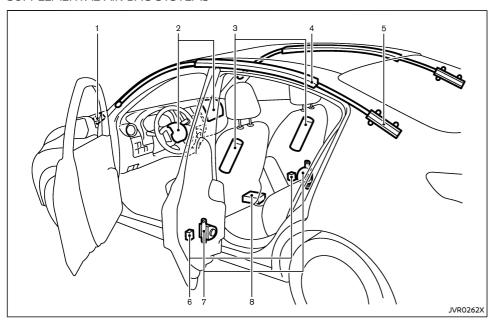
When the ignition switch is in the "ON" position. the SRS air bag warning light illuminates for about 7 seconds and then turns off. This indicates that the SRS air bag systems are operational.

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

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

Under these conditions, the air bag and/or pretensioner 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 (if equipped)
- Supplemental front-impact air bag modules (if equipped for front passenger)
- Supplemental side air bag modules (if equipped)
- Supplemental curtain side-impact air bags (if equipped)
- 5. Supplemental curtain side-impact air bag inflators (if equipped)

- 6. Satellite sensors (if equipped)
- Seat belt pre-tensioner retractors (if equipped)
- 8. Air bag Control Unit (ACU)



WARNING:

Do not place any objects on the steering wheel pad. Do not place any objects between the driver and steering wheel pad. Such objects may become danger-

- ous 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 or front end structure. 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 by placing materials over the steering wheel pad and above, and 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

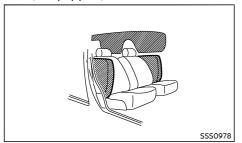
inhale it, as it may cause irritation and choking. Those with a history of a breathing condition should get fresh air promptly.

Supplemental front-impact air bag system (if equipped)

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 (if equipped) 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)



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-impact air bag system operation.

SRS AIR BAG DEPLOYMENT CONDI-TIONS

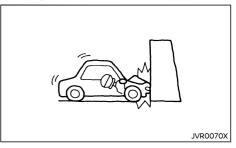
The SRS air bags activate in the event of a front or side impact in which the vehicle occupants may be severely injured even if they are wearing the seat belts properly.

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

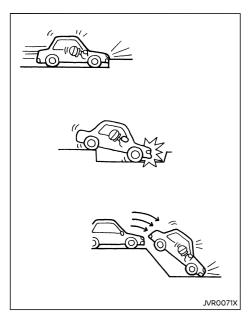
Supplemental front-impact air bags (if equipped for front passenger):

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



The supplemental front-impact air bag system will deploy in the event of an impact which exceeds a 25 km/h (16 MPH) frontal collision with a solid wall that does not move or deform

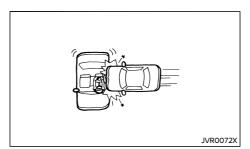
The supplemental front-impact air bag system may also deploy when the vehicle receives severe damage to the undercarriage.

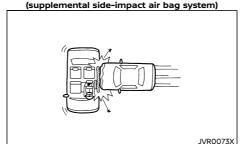


- Hitting a curb, pavement edge or hard surface at high speed
- Falling into a deep hole or ditch
- Landing hard on the ground after jumping

Supplemental side-impact and curtain sideimpact 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.





(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 (16 MPH).

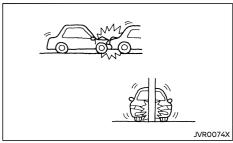
When the SRS air bag is unlikely to deploy

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

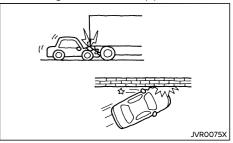
For example, if the vehicle strikes an object, such as a parked vehicle or sign pole, which can move or deform on impact, the SRS air bags are

unlikely to deploy.

Supplemental front-impact air bags (if equipped for front passenger):



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

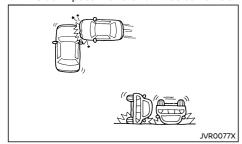


- Running under the tail gate of a truck
- A frontal offset impact to the guard rails

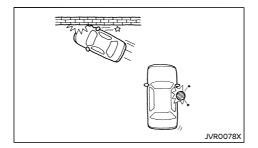
Supplemental side-impact and curtain sideimpact air bags (if equipped):



- 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 (trunk)
- Vehicle rollover



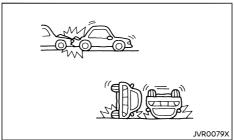
- A frontal offset impact to the guard rails
- A collision with a pole

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.

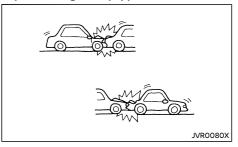
Supplemental front-impact air bags (if equipped for front passenger):



A collision from the side or rear

Vehicle rollover

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



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

PRE-TENSIONER SEAT BELT SYSTEM (if equipped)



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 pretensioner 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 seat belt system may activate with the supplemental air bag system in certain types of collisions.

Working with the seat belt retractor, it helps tighten the seat belt when the vehicle becomes involved in certain types of collisions, helping to restrain front seat occupants.

The pre-tensioner is encased with the front seat belt's retractor and anchor. 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 PROCE-DURE



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 or side 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 are designed to activate on a onetime-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 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.

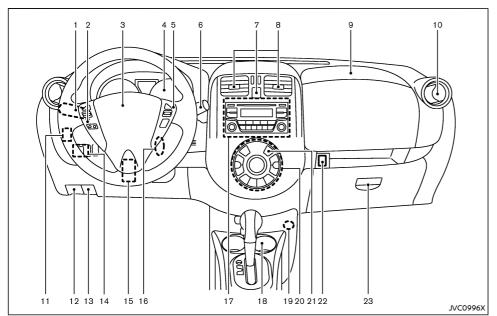
2 Instruments and controls

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INSTRUMENT PANEL

LEFT-HAND DRIVE (LHD) MODEL



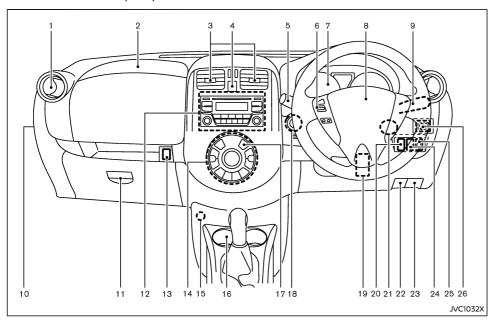
- Headlight, fog light* and turn signal switch
 - Headlight
 - Fog light*
 - Turn signal
- Steering-wheel-mounted controls* (left side)
 - Audio control steering switch
 - Hands-free phone system switch*

- Steering wheel
 - Electric power steering system
 - Horn
 - Driver's supplemental front-impact air bag
 - Meters and gauges
- Steering-wheel-mounted controls* (right side)
 - Cruise control switches*

- 6. Wiper and washer switch
- 7. Hazard indicator flasher switch
- 8. Center ventilator
- 9. Passenger's front-impact air bag
- 10. Side ventilator
- Vehicle Dynamic Control (VDC) OFF switch*
- 12. Fuel-filler lid release handle
- 13. Hood lock release handle
- 14. Outside rearview mirror control switch*
- Tilting steering wheel lock lever
- 16. Ignition switch/steering lock
- 17. Audio system*
- 18. Cup holder
- 19. Cigarette lighter*
- 20. Heater and air conditioner control
- 21. Rear window defogger switch
- 22. USB/AUX connector*
 - USB connection port
 - Auxiliary input jack
- 23. Glove box
- *: if equipped

2-2 Instruments and controls

RIGHT-HAND DRIVE (RHD) MODEL



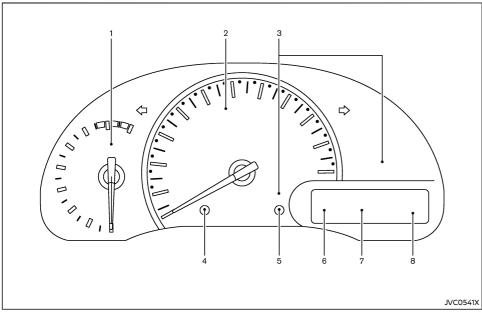
- Side ventilator
- 2. Passenger's front-impact air bag*
- 3. Center ventilator
- Hazard indicator flasher switch
- Wiper and washer switch or Headlight, fog light* and turn signal switch
 - Wiper and washer
 - Headlight
 - Fog light*

- Turn signal
- Steering-wheel-mounted controls*
 - Audio control steering switch
 - Hands-free phone system switch*
- Meters and gauges
- Steering wheel
 - Electric power steering system
 - Horn
 - Driver's supplemental front-impact air

baa

- Headlight, fog light* and turn signal switch or Wiper and washer switch
 - Wiper and washer
 - Headlight
 - Fog light*
 - Turn signal
- Fuse box cover
- 11. Glove box
- Audio system* 12.
- USB/AUX connector*
 - USB connection port
 - Auxiliary input jack
- Heater and air conditioner control
- Power outlet* 15
- Cup holder 16.
- Rear window defogger switch*
- Push-button ignition switch (model with Intelligent Key system)
- Tilting steering wheel lock lever
- Idling stop OFF switch (for Hong Kong)
- Ignition switch (model without Intelligent Kev system)/steering lock
- 22 Hood lock release handle
- 23. Fuel-filler lid release handle
- 24. Idling stop OFF switch* (for Thailand) or Vehicle Dynamic Control (VDC) OFF switch (for Australia and Hong Kong)
- Headlight aiming control switch*
- Outside rearview mirror control switch*
- if equipped

METERS AND GAUGES



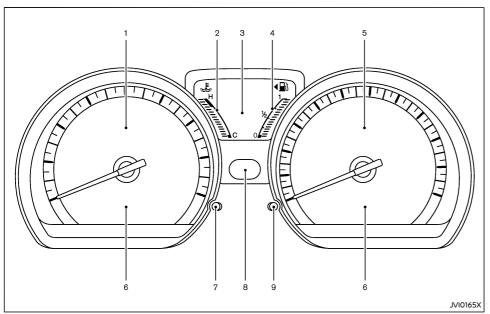
- Tachometer*
- 2. Speedometer
- 3. Warning/indicator lights
- Trip odometer reset switch/Trip computer mode switch
- Clock settings switch
- Automatic Transmission (AT)/Continuously Variable Transmission (CVT) position indicator*/Gear shift indicator (MT models)*

Type A

- 7. Odometer/Twin trip odometer/Trip computer
- Fuel gauge

*: if equipped

The needle indicators may move slightly after the ignition switch is placed in the "OFF" or "LOCK" position. This is not a malfunction.



Tachometer

- Engine coolant temperature gauge 2.
- Vehicle information display
 - Odometer/Twin trip odometer
 - Trip computer
 - Clock
 - Outside air temperature*
 - Instrument brightness control display
- Fuel gauge

Type B

- 5. Speedometer
- Warning/indicator lights
- Instrument brightness control knob
- Automatic Transmission (AT)/Continuously Variable Transmission (CVT) position indicator*
- Trip odometer reset switch/Trip computer mode switch

*: if equipped

The needle indicators may move slightly after the ignition switch is placed in the "OFF" or "LOCK" position. This is not a malfunction.

VEHICLE INFORMATION DISPLAY (for Type B)



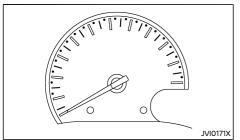
When the ignition switch is placed in the "ON" position, the vehicle information display shows the following information.

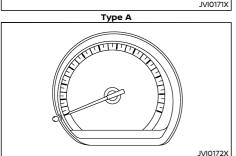
- Odometer/twin trip odometer
- Trip computer
- Clock
- Outside air temperature (if equipped)
- Instrument brightness control display
- Maintenance information (if equipped)

SPEEDOMETER AND ODOMETER

Speedometer

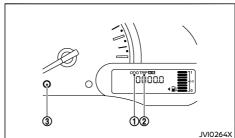
The speedometer indicates the vehicle speed.

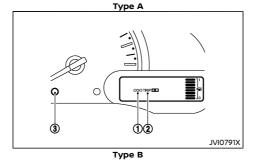


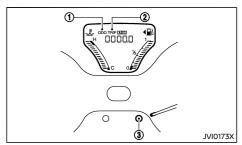


Type B

Odometer/Twin trip odometer







Type C

The odometer/twin trip odometer is displayed when the ignition switch is in the "ON" position.

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

The twin trip odometer ② displays the distance of individual trips.

Changing twin trip odometer display:

Push the reset switch ③ to change the display as follows:

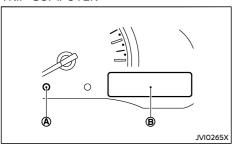
 $\begin{array}{l} \mathsf{ODO} \to \mathsf{TRIP} \; \mathsf{A} \to \mathsf{TRIP} \; \mathsf{B} \to \mathsf{Trip} \; \mathsf{computer} \; \mathsf{mode} \\ \to \; \mathsf{ODO} \end{array}$

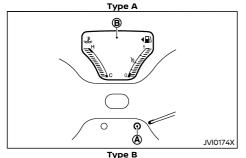
For trip computer information, see "Trip computer" (P.2-7).

Resetting twin trip odometer:

Push the reset switch ③ for more than 1 second to reset the trip odometer to zero.

TRIP COMPUTER





The switch for the trip computer is located on the meter panel (A).

Trip computer appears on the display (B).

When the ignition switch is placed in the "ON" position, the trip computer can be selected by pushing the trip computer mode switch (A).

Each time the trip computer mode switch (A) is pushed, the display will change as follows:

ODO → (TRIP A → TRIP B) → Current fuel consumption → Average fuel consumption → Distance to empty (dte - km)→ Outside air temperature (if equipped for Type B)→ Clock settings mode (Type B)

Current fuel consumption

The current fuel consumption mode shows the current fuel consumption.

Average fuel consumption (I/100 km or km/l)

The average fuel consumption mode shows the average fuel consumption since the last reset. Resetting is done by pushing the trip computer mode switch (A) for longer than 1 second

The display is updated every 30 seconds. At about the first 500 m (1/3 miles) after a reset. the display shows "---".

Distance to empty (dte - km)

The distance to empty (dte) mode 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.

The dte mode includes a low range warning feature: when the fuel level is low, the dte mode is automatically selected and the digits blink in order to draw the driver's attention. Push the trip computer mode switch (A) to return to the mode that was selected before the warning occurred.

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

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

Outside air temperature (if equipped for Type B)

The outside air temperature is displayed in °C .

When the outside air temperature decreases to 3 °C (37 °F) or lower, the outside air temperature display blinks to give a warning.

The display will stop blinking after 1 minute or when the outside air temperature increases to 4°C (39°F) or above.

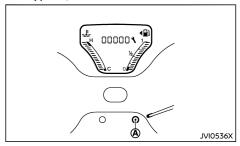
Clock settings mode (Type B)

For clock adjustment, see "Clock" (P.2-27).

Resetting displays

When the average fuel consumption or TRIP B is displayed, push the trip computer mode switch (A) for longer than 3 seconds. The display of average fuel consumption and trip odometer (TRIP B only) will be reset at the same time.

Maintenance information (if equipped for Type B)



When the ignition switch is placed in the "ON"

position, maintenance information (the wrench symbol and distance to change a maintenance item) comes on for about 5 seconds and then turns off

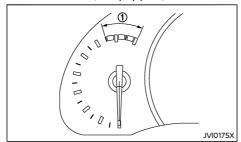
The wrench symbol **** appears when the set distance comes for changing an item, such as engine oil.

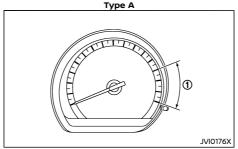
To set the distance to change an item:

- Place the ignition switch in the "ON" position.
 - Push the trip computer mode switch (a) for 3 seconds while the wrench symbol and maintenance information are displayed. The symbol and distance display will start flashing and the display shows the current interval.
- Push the switch (A) to increase the interval distance.
 - Each step increases the interval distance by 1,000 km (500 miles). The interval distance can be set up to 30,000 km (18,000 miles) after the display returns to 0 (zero).
- If no further action is made, the display returns to the previous mode and the new interval is set.

If the interval distance is set to 0, the display will skip the maintenance information when the ignition switch is placed in the "ON" position.

TACHOMETER (if equipped)



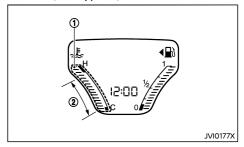


Type B

The tachometer indicates the engine speed in revolutions per minute (rpm).

Do not rev the engine into the red zone 1).

ENGINE COOLANT TEMPERATURE GAUGE (for Type B)



The engine coolant temperature gauge ① indicates the engine coolant temperature.

The engine coolant temperature is normal when the gauge is within the zone ② shown in the illustration.

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



CAUTION:

- If the gauge indicates engine coolant temperature near the hot (H) end of the normal range, reduce vehicle speed to decrease temperature.
- If the gauge is over the normal range, stop the vehicle as soon as safely possible.
- If the engine is overheated, continued operation of the vehicle may seriously damage the engine. (See "If your vehicle overheats" (P.6-11) for immediate action required.)

FUEL GAUGE

The arrow, ₄ 🖟 , indicates that the fuel-filler lid is located on the left side of the vehicle.

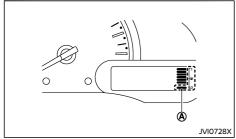


CAUTION:

Refuel before the gauge reads 0 (empty).

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

Type A



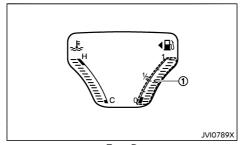
Example

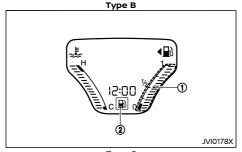
The fuel gauge indicates the approximate fuel level in the tank when the ignition switch is in the "ON" position.

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 light (A) blinks when the fuel level in the tank is getting low. Refuel as soon as it is convenient, preferably before the gauge reads 0.

Type B and Type C





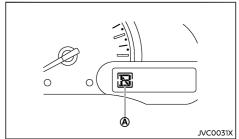
Type C

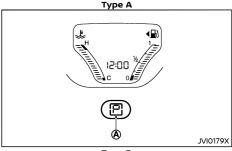
The fuel gauge 1 indicates the approximate fuel level in the tank when the ignition switch is in the "ON" position.

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

Type C: The low fuel warning light (2) illuminates when the fuel level in the tank is getting low. Refuel as soon as it is convenient, preferably before the gauge reads 0.

AUTOMATIC TRANSMISSION (AT)/CON-TINUOUSLY VARIABLE TRANSMISSION (CVT) POSITION INDICATOR (if equipped)





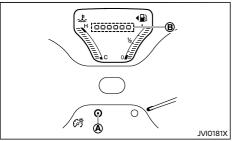
Type B

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

GEAR SHIFT INDICATOR (if equipped)

The indicator appears when upshifting or downshifting is recommended. The up or down arrow indicates the recommended shifting. See "Gear shift indicator" (P.5-19).

INSTRUMENT BRIGHTNESS CONTROL (for Type B)



The instrument brightness control operates when the ignition switch is in the "ON" position.

Push the control knob (A) to decrease the brightness of the meter panel lights. The brightness indicator (B) will be shown briefly in the display when the control knob (A) is pushed.

If the brightness mode reaches the minimum level, the next time the switch is pressed, the brightness will return to the maximum level.

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

WARNING LIGHTS, INDICATOR LIGHTS AND AUDIBLE REMINDERS

(ABS)	Anti-lock Braking System (ABS) warning light*	K	Seat belt warning light*	AUTO	Idling Stop System indicator light*
(0)	Brake warning light	(120	Speed [120 km/h (75 MPH)] warning light*	≈!	Low temperature indicator light (green)*
= +	Charge warning light	×	Supplemental Restraint System (SRS) air bag warning light		Malfunction Indicator Light (MIL)
/	Door open warning light	\$	Vehicle Dynamic Control (VDC) warning light*	O/D OFF	Overdrive off indicator light*
PS	Electric power steering warning light	—	Water-in-fuel-filter warning light (diesel engine model)	Oŧ	Rear fog light indicator light*
۹ <u>ټ</u> ۷،	Engine oil pressure warning light	(~)	Cruise control on indicator light*		Security indicator light*
≈E	High temperature warning light (red)*	SET	Cruise control set indicator light*	EDQE	Small light indicator light*
KEY	Intelligent Key system warning light*		Engine start operation indicator light*	SPORT	SPORT mode indicator light*
₽	Low fuel warning light*	≢D	Front fog lights indicator light*	$\langle \neg \downarrow \rangle$	Turn signals/hazard indicator lights
<u>(!)</u>	Low tire pressure warning light*	\mathfrak{F}	Glow plug indicator light (diesel engine model)	ÖFF	Vehicle Dynamic Control (VDC) off indicator light*
SHIFT	P position selecting warning light*		High beam indicator light	*: if equi	pped

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 illuminate: (①), (□), (□), (□), **PS**.

The following lights (if equipped) will illuminate briefly and then turn off: (a) , O/D , SPORT, KEY , ♪ . . . L. (red), . L. (green), か, (1) , 息 , 甚 . 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.

WARNING LIGHTS

(ABS) Anti-lock Braking System (ABS) warning light (if equipped)

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 "Anti-lock Braking System (ABS)" (P.5-32).)



(I) 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 foot 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 in the "ON" position, and the parking brake is applied, the brake warning light illuminates. When the engine is started and 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.3-24).)

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 below the minimum mark on the reservoir, add brake fluid as necessary. (See "Brake fluid" (P.8-16).)

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

Anti-lock Braking System (ABS) warning indicator (if equipped):

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 "Antilock Braking System (ABS) warning light" (P.2-12).)



Charge warning light

When the ignition switch is in the "ON" position, the charge warning light illuminates. After starting the engine, the charge warning light 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 alternator belt. If the alternator belt is loose, broken or missing, the charging system needs repair. (See "Drive belts" (P.8-14).)

If the alternator 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 alternator belt is loose, broken or missing.



Door open warning light

When the ignition switch is in the "ON" position, the door open warning light illuminates if any of the doors are open or not closed securely.

PS Electric power steering warning liaht

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 system is operational.

If the electric power steering warning light illuminates while the engine is running, it may indicate the electric power steering system is not functioning properly and may need servicing. Have the electric power steering system 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 system" (P.5-30).)



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 "Engine oil" (P.8-10).)

High temperature warning light (red) (if equipped)

When the ignition switch is in the "ON" position, the high temperature warning light illuminates and then turns off. This indicates that the high temperature sensor in the engine coolant system is operational.



CAUTION:

If the high temperature warning light illuminates while the engine is running, it may indicate the engine temperature is extremely high.

- Stop the vehicle safely as soon as possible.
- If the vehicle is overheated, continuing vehicle operation may seriously damage the engine. (See "If your vehicle overheats" (P.6-11) for the immediate action required.)

Intelligent Key system warning light (if equipped)

After the ignition switch is placed in the "ON" position, this light comes on for about 2 seconds and then turns off.

This light illuminates or blinks as follows:

- The light blinks in yellow when the door is closed with the Intelligent Key left outside the vehicle and the ignition switch in the "ACC" or "ON" position. Make sure that the Intelligent Key is inside the vehicle.
- The light blinks in green when the Intelligent Key battery is running out of power. Replace the battery with a new one. See "Intelligent Key battery" (P.8-23).
- The light illuminates in yellow when it warns of a malfunction with the electrical steering lock system or the Intelligent Key system.

If the warning light illuminates in vellow while the engine is stopped, it may be impossible to free the steering lock or to start the engine. If the light comes on while the engine is running. you can drive the vehicle. However in these cases, contact a NISSAN dealer for repair as soon as possible.

Low fuel warning light (if equipped)

The low fuel warning light illuminates when the fuel level in the tank is getting low. Refuel as soon as it is convenient, preferably before the fuel gauge reaches the empty (0) position. There will be a small reserve of fuel remaining in the tank when the fuel gauge reaches the empty (0) position.

$\lfloor \langle \underline{!} \rangle \rfloor$ Low tire pressure warning light (if equipped)

When the ignition switch is in the "ON" position, the low tire pressure warning light illuminates and then turns off. This indicates that the low tire pressure warning system is operational.

This light illuminates if there is low tire pressure or a tire pressure warning system malfunction.

The Tire Pressure Monitoring System (TPMS) monitors the tire pressure of all tires except the spare.

Low tire pressure warning:

If the vehicle is being driven with low tire pressure, the low tire pressure warning light will illuminate.

When the low tire pressure warning light illuminates, you should stop and adjust the tire pressure to the recommended COLD tire pressure shown on the tire placard. The low tire pressure warning light does not automatically turn off when the tire pressure is adjusted. After the tire is inflated to the recommended pressure, the vehicle must be driven at speeds above 25 km/h (16 MPH) to activate the TPMS and turn off the low tire pressure warning light. Use a tire pressure gauge to check the tire pressure.

For additional information, see "Tire Pressure Monitoring System (TPMS)" (P.5-4) and "Tire Pressure Monitoring System (TPMS)" (P.6-2).

TPMS malfunction:

If the TPMS is not functioning properly, the low tire pressure warning light will flash for approximately 1 minute when the ignition switch is placed in the "ON" position. The light will remain on after the 1 minute. Have the system checked by a NISSAN dealer.

For additional information, see "Tire Pressure Monitoring System (TPMS)" (P.5-4).



WARNING:

- If the light does not illuminate with the ignition switch placed in the "ON" position, have the vehicle checked by a NISSAN dealer as soon as possible.
- If the light illuminates while driving, avoid sudden steering maneuvers or abrupt braking, reduce vehicle speed, pull off the road to a safe location and stop the vehicle as soon as possible. Driving with under-inflated tires may permanently damage the tires and increase the likelihood of tire failure. Serious vehicle damage could occur and may lead to an accident and could result in serious personal injury. Check the tire pressure for all four tires. Adjust the tire pressure to the recommended COLD tire pressure shown on the tire placard to turn the low tire pressure warning light off. If the light still illuminates while driving after adjusting the tire pressure, a tire may be flat or the TPMS may be malfunctioning. If you have a flat tire, replace it with a spare tire as soon as possible. If no tire is flat and all tires are properly inflated, have the ve-

- hicle checked by a NISSAN dealer.
- Since the spare tire is not equipped with the TPMS, when a spare tire is mounted or a wheel is replaced, the TPMS will not function and the low tire pressure warning light will flash for approximately 1 minute. The light will remain on after the 1 minute. Contact your NISSAN dealer as soon as possible for tire replacement and/or system resetting.
- Replacing tires with those not originally specified by NISSAN could affect the proper operation of the TPMS.



CAUTION:

- The TPMS is not a substitute for the regular tire pressure check. Be sure to check the tire pressure regularly.
- If the vehicle is being driven at speeds of less than 25 km/h (16 MPH), the TPMS may not operate correctly.
- Be sure to install the specified size of tires to all four wheels correctly.

P position selecting warning light (if equipped)

The warning light blinks in red 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 push the ignition switch to the "ON" position.

An inside warning chime will also sound.

(See "Intelligent Key system" (P.3-8).)

🏂 | Seat belt warning light (if equipped)

Type A:

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 the front passenger's (if equipped) seat belt is fastened. (See "Seat belts" (P.1-6).)

When the vehicle speed exceeds 15 km/h (10 MPH), the light will blink and the chime (if equipped) will sound unless the driver's and/ or the front passenger's (if equipped) seat belt is securely fastened. The chime (if equipped) will continue to sound for about 90 seconds until the seat belt is fastened

Type B:

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 seat belt is fastened. (See "Seat belts" (P.1-6).)

| 📢 | Speed [120 km/h (75 MPH)] warning light (if equipped)

This light blinks when the vehicle speed goes over approximately 120 km/h (75 MPH). Be sure to observe the speed limit in the area where you are driving.

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 that the SRS air bag system is operational.

If any of the following conditions occur, the SRS air bag system and 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 flashes intermittently.
- The SRS air bag warning light does not illuminate at all.

Unless checked and repaired, the SRS air bag system and/or pre-tensioner seat belt may not function properly. (See "Supplemental air bag systems" (P.1-24).)

> Vehicle Dynamic Control (VDC) warning light (if equipped)

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

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 warning light illuminates when the ignition switch is placed in the "ON" position, 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 in the system, the VDC system function will be cancelled but the vehicle is still driveable. (See "Vehicle Dynamic Control (VDC) system" (P.5-24).)

Water-in-fuel-filter warning light (diesel engine model)

If the water-in-fuel-filter warning light illuminates while the engine is running, drain the water from the fuel filter promptly. See "Fuel filter (diesel engine model)" (P.8-13).



CAUTION:

Continuing vehicle operation without properly draining could cause serious damage to the engine.

INDICATOR LIGHTS

Cruise control on indicator light (if equipped)

The cruise control on indicator light indicates the activation of the cruise control system.

When the cruise control main switch is turned on, the indicator light will illuminate, indicating the cruise control system is in the standby mode. (See "Cruise control" (P.5-25).)

SET Cruise control set indicator light (if equipped)

The cruise control set indicator light indicates the status of the cruise control system.

When the vehicle speed is controlled by the cruise control system, the indicator light illuminates

If the cruise control set indicator light blinks while the engine is running, or while driving, it may indicate the cruise control system is not functioning properly and may need servicing. Have the system checked, and if necessary

repaired, by a NISSAN dealer promptly. (See "Cruise control" (P.5-25).)

Engine start operation indicator light (if equipped)

This light appears when the shift lever is in the "P" (Park) position (Automatic Transmission/Continuously Variable Transmission model) or "N" (Neutral) position (Manual Transmission model). This light means that the engine will start by pushing the ignition switch with the brake pedal (AT/CVT model) or the clutch pedal (MT model) depressed. You can start the engine directly in any position.

| ≱D| Front fog lights indicator light (if equipped)

The front fog lights indicator light illuminates when the front fog lights are on. (See "Fog light switch" (P.2-21).)

Glow plug indicator light (diesel engine model)

When the ignition switch is in the "ON" position, the glow plug indicator light illuminates and turns off after the glow plugs have warmed up. If the glow plugs have already warmed up, the glow plug indicator flashes briefly and then turns off.

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.2-19).)

Idling Stop System indicator light (if equipped for Thailand)

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

The Idling Stop System indicator light blinks at a high speed, when the driver's door or the engine hood is open.

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

NOTE:

- When the Idling Stop System indicator light blinks at a high speed (twice approximately every one second):
 - Be sure to check if the driver's door is open.
 - 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.

Aएँगे Idling Stop System indicator light (for Hong Kong)

The Idling Stop System indicator light illuminates in the meter when the Idling Stop System is activated or is in the ready state.

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.

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.
- Even if the Idling Stop System indicator light illuminates before stopping your vehicle, the Idling Stop System may not activate when you are driving on an uphill or downhill grade, or when the steering wheel is operated, etc.

Low temperature indicator light (green) (if equipped)

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

When the ignition switch is in the "ON" position, the low temperature indicator light illuminates and then turns off after the engine coolant has warmed up.

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 could lead to poor driveability, reduced fuel economy, and damage to the engine control 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 is operational.

If the MIL illuminates or blinks (if equipped) while the engine is running, it may indicate that

the engine control 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) on steady:

An engine control system malfunction has been detected. Have the vehicle checked, and if necessary repaired, by a NISSAN dealer promptly. You do not need to have your vehicle towed to the dealer.

Malfunction Indicator Light (MIL) blinking (if equipped):

An engine misfire has been detected which may damage the engine control system. Have the vehicle 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 illuminates or 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

OFF Overdrive off indicator light (if equipped)

When the ignition switch is in the "ON" position. the overdrive off indicator light illuminates and then turns off

The overdrive off indicator light illuminates when the overdrive is turned OFF. (See "Driving with Automatic Transmission (AT)" (P.5-13) for the use of the overdrive off switch.)

| ○ | Rear fog light indicator light (if equipped)

The rear fog light indicator light illuminates when the rear fog light is on. (See "Fog light switch" (P.2-21).)

Security indicator light (if equipped)

The security indicator light blinks when the ignition switch is in the "LOCK", "OFF" or "ACC" 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 (if equipped)

The small light indicator light illuminates when the front clearance lights, instrument panel lights, rear combination lights and license plate lights are on. The indicator light turns off when these lights are turned off.

SPORT mode indicator light (if equipped)

When the ignition switch is in the "ON" position, the SPORT mode indicator light illuminates and then turns off.

The SPORT mode indicator light illuminates when the SPORT mode is turned "ON". (See "Driving with Continuously Variable Transmission (CVT)" (P.5-16) for the use of the SPORT mode switch)

(ロウ Turn signals/hazard indicator lights

The turn signals/hazard indicator lights blink when the turn signal switch lever or hazard indicator flasher switch is "ON". (See "Headlight and turn signal switch" (P.2-19) or "Hazard indicator flasher switch" (P.6-2).)

Vehicle Dynamic Control (VDC) off indicator light (if equipped)

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. (See "Vehicle Dynamic Control (VDC) system" (P.5-24).)

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.8-15).)

Key reminder chime

The key reminder chime will sound if any of the following operations are detected:

Model with Intelligent Key system:

• The driver's door is opened while the ignition switch is in the "ACC" position.

Model without Intelligent Key system:

- The driver's door is opened while the key is left in the ignition switch and the ignition switch is in the "ACC", "OFF" or "LOCK" position (Type A).
- The driver's door is locked with the power door lock switch with the door open while the key is left in the ignition switch and the ignition switch is in the "ACC", "OFF" or "LOCK" position (Type B).

Be sure that the ignition switch is switched to the "LOCK" position when the door is opened, and carry the Intelligent Key with you when leaving the vehicle.

For the Intelligent Key system, an inside or outside chime will sound under some conditions. When a chime sounds, be sure to check both the vehicle and the Intelligent Key. (See "Intelligent Key system" (P.3-8).)

Light reminder chime

The light reminder chime will sound if the driver's door is opened while the headlight switch is in the <code>:Ddf</code> or <code>:[O]</code> position and the ignition switch is in the "ACC", "OFF" or "LOCK" position.

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

Parking brake reminder chime

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

Seat belt warning chime (if equipped)

When the vehicle speed exceeds 15 km/h (10 MPH), the chime will sound unless the driver's and/or the front passenger's (if equipped) seat belt is securely fastened. The chime will continue to sound for about 90 seconds until the seat belt is fastened.

Idling Stop System reminder buzzer (if equipped for Thailand)

The Idling Stop System reminder buzzer will sound if the driver's door or the engine hood is opened while the Idling Stop System is activated.

Idling Stop System reminder buzzer (for Hong Kong)

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

Reverse reminder chime (if equipped)

The chime will sound inside the vehicle to remind the driver if the shift lever is in the "R" (Reverse) position while the ignition switch is in the "ON" position. This is not a chime to remind people outside the vehicle.

HEADLIGHT AND TURN SIGNAL SWITCH

Speed warning chime (for India)

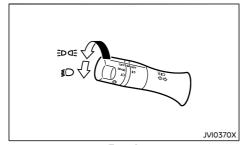
Primary warning:

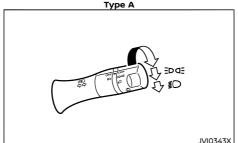
When vehicle speed exceeds 80 km/h (50 MPH), a chime will sound intermittently until the driver reduces the speed to less than 80 km/h (50 MPH).

Secondary warning:

When vehicle speed exceeds 120 km/h (75 MPH), a chime will sound continuously until the driver reduces the speed to less than 120 km/h (75 MPH), after which it will switch to the primary warning.

HEADLIGHT SWITCH





Type B

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

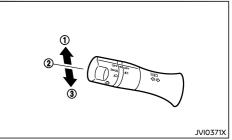
∌ position

The <code>position</code> turns on the front clearance lights, instrument panel lights, rear combination lights and other lights.

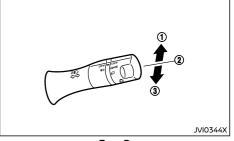
position

The $\ensuremath{\text{f D}}$ position turns on the headlights in addition to the other lights.

Headlight beam



Type A



Type B

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

When the lever is pulled towards the rearmost

position ③ after the ignition switch is placed in the "OFF" or "LOCK" position, the headlight will turn on and stay on for 30 seconds. The lever can be pulled 4 times for up to 2 minutes (if equipped).

Daytime running light system (if equipped)

The daytime running lights will come on after starting the engine.

When the light switch is turned to the position, the daytime running lights will turn off.

BATTERY SAVER SYSTEM (if equipped)

The light reminder chime will sound if the driver's door is opened while the following improper operations are found:

Be sure to turn the headlight switch to the "OFF" position when you leave the vehicle.

Type A

When the headlight switch is in the <code>pos</code> or <code>pos</code> position while the engine is running, the lights will automatically turn off after placing the ignition switch in the "ACC", "OFF" or "LOCK" position and opening the driver's side door.

When the headlight switch remains in either the <code>spds</code> or <code>sp</code> position after the lights automatically turn off, the lights will turn on when the ignition switch is placed in the "ON" position or the engine is started.

Type B

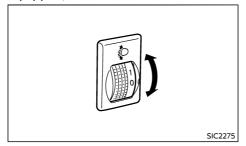
If the doors are closed and locked with the remote controller, the Intelligent Key or the door request switch (if equipped) while the headlight switch is in either the <code>idea</code> or <code>position</code>, the battery saver function will turn of the lights to prevent the battery from being discharged. The lights will turn on when the doors are being opened.



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.

HEADLIGHT AIMING CONTROL (if equipped)



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 condition.

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.

For Hong Kong:

Select the switch position by referring to the following samples.

Switch posi- tion	Number of front seat oc- cupants	Number of rear seat oc- cupants	Weight of load in luggage compartment
0	1 or 2	No oc- cupants	No load
1	2	3	No load
2	2	3	Approximately 85 kg (187 lb)
3	1	No oc- cupants	Approximately 301 kg (664 lb)

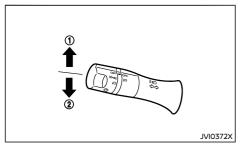
For the Middle East:

Select the switch position by referring to the following samples.

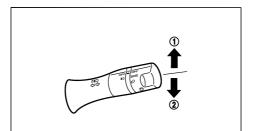
Switch posi- tion	Number of front seat oc- cupants	Number of rear seat oc- cupants	Weight of load in luggage compartment
0	1 or 2	No oc- cupants	No load
1	2	3	No load
1	1 2		Approximately 24 kg (53 lb)*1
2	2	3	Approximately 65 kg (143 lb)*2
3	1	No oc-	Approximately 258 kg (569 lb)

- For mid grade models
- Except for mid grade models

TURN SIGNAL SWITCH



Type A



Type B

JVI0345X

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) towards the desired direction. When the turn is completed, the turn signal cancels automatically.

Lane change signal

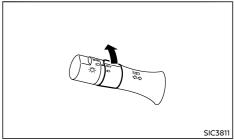
To turn on the lane change signals, move the lever up 1) or down 2) towards the desired direction

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

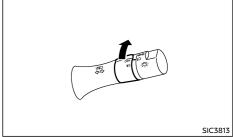
If the lever is moved back right after moving up 1) or down 2), the light will flash 3 times (if equipped).

FOG LIGHT SWITCH (if equipped)

FRONT FOG LIGHTS (if equipped)



Type A

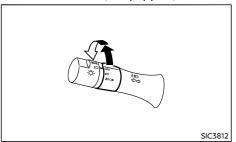


Type B

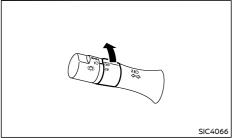
To turn on the front fog lights, turn the fog light switch to the ap position with the headlight switch in the EDGE or position.

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

REAR FOG LIGHT (if equipped)



Type A (front and rear fog lights)



Type B (rear fog light)

The rear fog light should be used only when visibility is seriously reduced. [Generally, to less than 100 m (328 ft)]

For Type A: To turn on the rear fog light, turn the fog light switch to the *DO* position. The switch returns to the *D position automatically, and the rear fog light will illuminate with the front fog lights. Make sure the O* indicator light on the instrument panel illuminates.

To turn off the rear fog light, turn the fog light switch to the #DQ# position again. Make sure the Q# indicator light on the instrument panel

turns off

To turn off both the front and rear fog lights, turn the fog light switch to the "OFF" position.

For Type B: To turn on the rear fog light, turn the headlight switch to the position, then turn the fog light switch to the position. The switch returns to the "OFF" position automatically, and the rear fog light will illuminate. Make sure the pindicator light on the instrument panel illuminates.

To turn off the rear fog light, turn the fog light switch to the <code>()</code>‡ position again. Make sure the <code>()</code>‡ indicator light on the instrument panel turns off.

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:

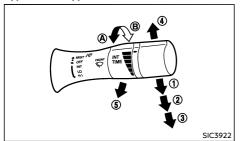
- Do not operate the washer continuously for longer than 30 seconds.
- Do not operate the washer if the window washer fluid reservoir is empty.
 - o If the wiper operation is interrupted by snow or ice, the wiper may stop moving to protect its motor. If this occurs, turn the wiper switch to the "OFF" 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.

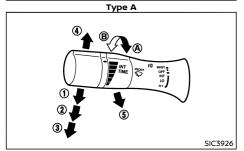
WINDSHIELD WIPER AND WASHER SWITCH

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

Wiper operation

Type A and Type B:





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

- The intermittent operation can be adjusted by turning the adjustment control knob, (longer) (A) or (shorter) (B).
- The intermittent operation speed varies in accordance with the vehicle speed. (For example, when the vehicle speed is high, the intermittent operation speed will be faster.)

The lever position "LO" (2) operates the wiper at

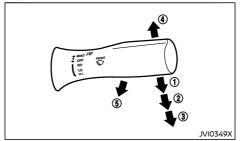
low speed.

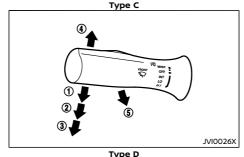
The lever position "HI" (3) operates the wiper at high speed.

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

The lever position "MIST" (4) operates the wiper one sweep. The lever automatically returns to its original position.

Type C and Type D:





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

The lever position "LO" (2) operates the wiper at

low speed.

The lever position "HI" (3) operates the wiper at high speed.

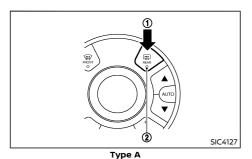
To stop the wiper operation, move the lever up to the "OFF" position.

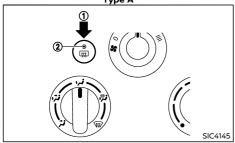
The lever position "MIST" (4) operates the wiper one sweep. The lever automatically returns to its original position.

Washer operation

To operate the washer, pull the lever toward the back of the vehicle (5) until the desired amount of washer fluid is spread on the windshield. The wiper will automatically operate several times.

DEFOGGER SWITCH (if equipped)





Type B

The rear window 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 surface to improve the rear view.

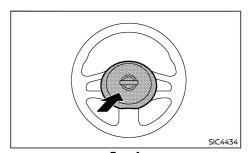
When the defogger switch ① is pushed, the indicator light ② illuminates and the defogger operates for approximately 15 minutes. After the preset time has passed, the defogger will turn off automatically.

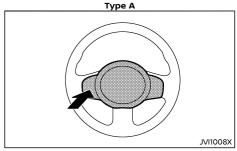
To turn off the defogger manually, push the defogger switch again.

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.

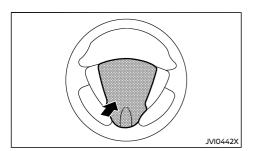
HORN

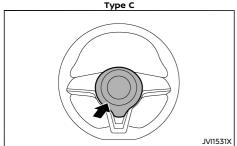




Type B

WINDOWS

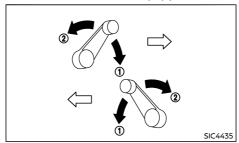




Type D The horn switch operates regardless of the ignition switch position except when the batterv is discharged.

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

MANUAL WINDOWS (if equipped)



The side windows can be opened (1) or closed 2) by turning the hand crank on each door.

POWER WINDOWS (if equipped)



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.

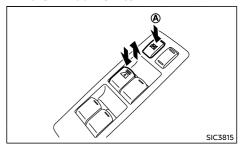
The power windows operate when the ignition switch is in the "ON" position.

To open a window, push down the power

window switch

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

Driver's window switch



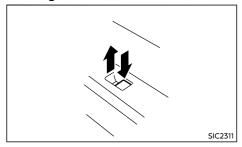
The driver's switch, which is the main switch, can control all windows.

Locking passengers' windows:

When the lock button (A) is pushed in, the passengers' windows cannot be operated.

To cancel the passengers' windows lock, push the lock button (A) again.

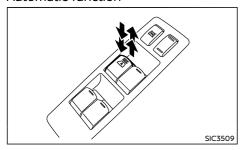
Passenger's window switch



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.

Automatic function



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 (if equipped) 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 (if equipped) 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 (if equipped):



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.

When power window switch does not operate

Some power window functions (automatic close function, auto-reverse function) will not operate as described after the battery cable is disconnected and the electrical supply is interrupted. Perform the following procedure to initialize the power window functions.

- 1. Start the engine.
- 2. If the driver's window is closed, open it completely by operating the driver's window switch
- 3. After starting the engine, pull up and hold the driver's window switch to close the driver's window. Hold the switch for approximately 3 seconds after the window has been fully closed, and then release it.

4. Check if the power window functions operate properly.

If you open or close the power window continuously, it may cause the power window not to operate properly. Perform the above procedure.

If the power window functions do not operate properly after performing the above procedure, repeat the steps. See a NISSAN dealer, if necessary, for checking the power window system.

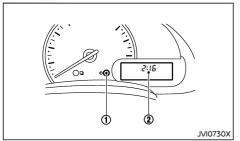
CLOCK

If the battery cable is disconnected, the clock will be reset and the correct time will not be indicated. Readiust the time.

For the clock adjustment in the audio unit see "Audio system" (P.4-13).

ADJUSTING TIME

Type A



Example

The digital clock (2) in the meter displays the time when the ignition switch is in the "ON" position.

To display the clock, push the clock settings switch ①. To adjust the time, perform the following procedure.

- 1. Push the clock settings switch (1) for more than 1.5 seconds or 3 seconds to enter clock adjusting mode.
 - The hours display will start to flash.
- 2. Push the clock settings switch ① to adjust the hour.
 - To advance the time, hold down the switch 1).
- 3 Wait at least 3 seconds or 5 seconds for the minute display to flash.

4. Push the clock settings switch (1) to adjust the minutes

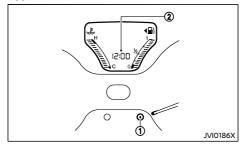
To advance the time, hold down the switch

Wait at least 3 seconds or 5 seconds for the second display ":" to flash.

5. Push the clock settings switch (1) to reset the second counter

The selected values will be stored if no user input is detected for 60 seconds, or can be reset by using the clock settings switch (1).

Type B

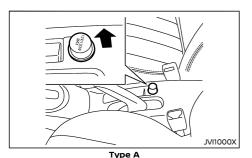


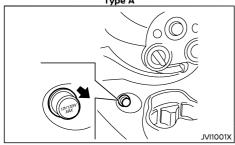
The digital clock (2) in the meter displays the time when the ignition switch is in the "ON" position. To adjust the time, perform the following procedure:

- 1. If the trip computer mode switch (1) is pushed while the distance to empty or outside air temperature (if equipped) is displayed, the clock display will blink.
- 2. Push the clock settings switch (1) for more than 1.5 seconds or 3 seconds. The hours display will start to flash.

- 3. Push the clock settings switch (1) to adjust the hour. To advance the time, hold down the switch (1).
- 4. Wait at least 3 seconds or 5 seconds for the minute display to flash.
- 5. Push the clock settings switch (1) to adjust the minutes. To advance the time, hold down the switch (1). Wait at least 3 seconds or 5 seconds for the second display ":" to flash.
- 6. Push the clock settings switch ① to reset the second counter

POWER OUTLET (if equipped)





Type B
The power outlet is for powering electrical accessories such as cellular telephone.

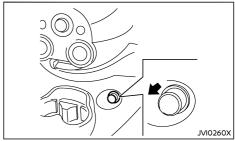


CAUTION:

- 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 power outlet with the engine running to avoid discharging the vehicle battery.
- Avoid using power outlet when the air conditioner, headlights or rear window defogger is on.
- Before inserting or disconnecting a plug, be sure to turn off the power switch of electrical accessory being used and the ignition switch.
- 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 open.
- Do not allow water to contact the outlet.
- When not in use, be sure to close the cap.

CIGARETTE LIGHTER (if equipped)





WARNING:

The cigarette lighter should not be used while driving so that full attention may be given to vehicle operation.



CAUTION:

- The cigarette lighter socket is a power source for the cigarette lighter element only. The use of the cigarette lighter socket as a power source for any other accessory is not recommended.
- Do not use any other power outlet for an accessory lighter.

The cigarette lighter operates when the ignition switch is in the "ACC" or "ON" position. To heat the cigarette lighter, push it in until it latches. When the lighter is heated, it will spring out automatically.

Return the cigarette lighter to its original position after use.

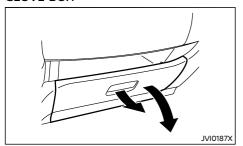
STORAGE



WARNING:

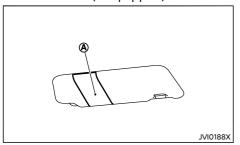
- The storages should not be used while driving so full attention may be given to vehicle operation.
- Keep the storage lids closed while driving to help prevent injury in an accident or a sudden stop.

GLOVE BOX



To open the glove box, pull the handle. To close, push the lid in until the lock latches.

CARD HOLDER (if equipped)



Slide a card in the card holder (A).

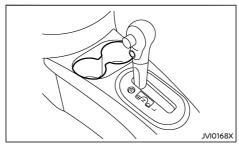
CUP HOLDERS



CAUTION:

Avoid abrupt starting and braking especially when the cup holder is being used to prevent spilling the contents. If the contents are hot, they could scald you or your passengers.

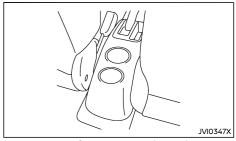
Front



Front of center console

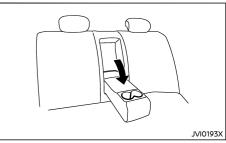


Rear of center console (Type A)



Rear of center console (Type B)

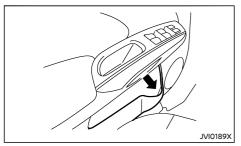
Rear (if equipped)



Pull the armrest forward until it is horizontal

SUN VISORS

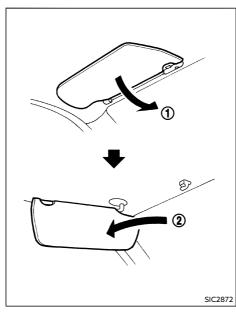
SOFT BOTTLE HOLDER





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.



- 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.

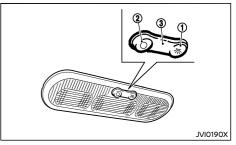
INTERIOR LIGHTS



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.

MAP LIGHT (if equipped) / ROOM LIGHT



The map light (if equipped) or room light control switch has three positions: ON ①, OFF ② and center ③.

ON position

When the switch is in the ON position ①, the map light (if equipped) or room light will illuminate

OFF position

When the switch is in the OFF position (2), the map light (if equipped) or room light will not illuminate, regardless of the condition.

Center position

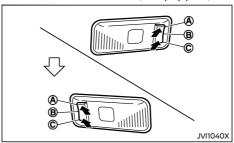
When the switch is in the center position (3), the map light (if equipped) or room light will illuminate under the following conditions:

- ignition switch is placed in the "OFF" position (models with Intelligent Key system)
 - remain on for about 15 seconds.
- the key is removed from the ignition switch (models without Intelligent Key system)
 - remain on for about 15 seconds.
- doors are unlocked by pushing the "UN-LOCK" A button (on the remote controller or Intelligent Key) or the request switch (models with Intelligent Kev system), with the ignition switch in the "LOCK" position
 - remain on for about 15 seconds.
- any door is opened and then closed with the ignition switch in the "LOCK" position and without the key in the ignition switch (models without Intelligent Key system)
 - remain on for about 15 seconds.
- any door is opened with the ignition switch in the "ACC" or "ON" position
 - remain on while the door is opened. When the door is closed, the lights turn off

Battery saver system

If any door is left open for a period of time with the map light (if equipped) or room light switch placed horizontally or the map light (if equipped) or room light switch in the center position (3), the map light (if equipped) or room light will automatically turn off.

REAR READING LIGHTS (if equipped)



The rear reading light has a three-position switch.

- OFF
- NEUTRAL
- ON

When the rear reading light switch is in the "ON" position ©, the rear reading lights illuminate. regardless of any condition.

When the switch is in the position (A) or (B), the rear reading lights do not illuminate, regardless of any condition.

TRUNK LIGHT (if equipped)

The trunk light illuminates when the trunk lid is opened. When the trunk is closed, the light will turn off.

MEMO

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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.

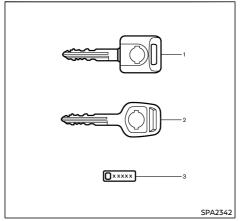
The key can only be duplicated using an original key or the original key number. The key number is required when you have lost all of the keys and do not have the original key to duplicate from. If the key is lost, or you need extra keys, provide an original key or the key number to a NISSAN dealer.



CAUTION:

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

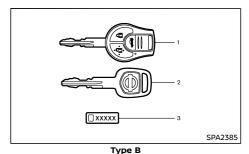
KEY (if equipped)



Type A

Your vehicle is equipped with the following set of keys:

- 1. Master key (Molded)
- Master key (Plate)
- 3. Key number plate



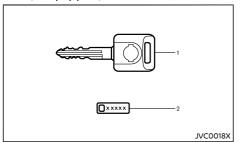
2 JVP0119X

Type C

- Master key
- 2. Master key (Plate)
- 3. Key number plate

As many as 5 master keys with remote controller can be registered and used with one vehicle.

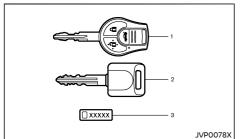
NISSAN ANTI-THEFT SYSTEM (NATS*) KEY (if equipped)



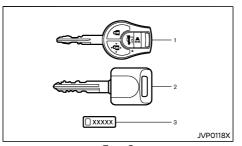
Type A

Your vehicle is equipped with the following set of keys:

- NATS key (Molded) (2)
- Key number plate

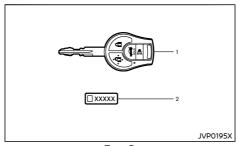


Type B



Type C

- NATS key
- NATS key (Molded)
- Key number plate



Type D

- NATS key (2)
- Key number plate

Your vehicle can only be driven with the NATS keys, which are registered to your vehicle's NATS components. As many as 5 NATS keys can be registered and used with one vehicle. The new keys must be registered by a NISSAN dealer prior to use with the NATS of your vehicle. Since the registration process requires erasing all memory in the NATS components when registering new keys, be sure to take all NATS keys that you have to the NISSAN dealer.

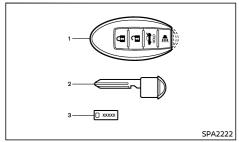


CAUTION:

Do not allow the NATS key, which contains an electrical transponder, to come into contact with water or salt water. This could affect the system function.

*: Immobilizer

INTELLIGENT KEY (if equipped)



Type A (with panic alarm) SPA2201

Type B (without panic alarm)

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

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



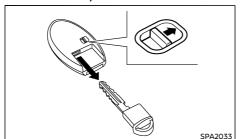
CAUTION:

- 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), the battery of the Intelligent Key may not function prop-

erly.

- 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 and personal computers or cellular phones.
- 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. (See "Doors" (P.3-5).)

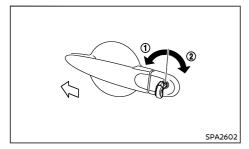
DOORS



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



Type A

To lock the driver's door, insert the key in to the door key cylinder located on the driver's side door and turn the key to the front of the vehicle

For locking other doors, use the power door lock switch. (See "Locking with power door lock switch" (P.3-6).)

To unlock the driver's door, turn the key to the rear of the vehicle (2).

For unlocking other doors, use the power door lock switch. (See "Locking with power door lock switch" (P.3-6).)

Type B

To lock the driver's door, insert the key to the door key cylinder located on the driver's side door, and turn the key to the front of the vehicle 1).

For locking other doors, use the inside lock knob. (See "Locking with inside lock knob" (P.3-5).)

To unlock the driver's door, turn the key to the rear of the vehicle 2.

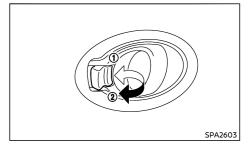
For unlocking other doors, use the inside lock knob. (See "Locking with inside lock knob" (P.3-5).)

Type C

To lock the doors, insert the key to the door key cylinder located on the driver's side door, and turn the key to the front of the vehicle (1). All doors will lock.

To unlock the doors, turn the key to the rear 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.

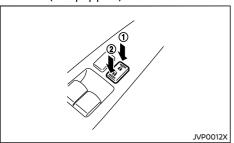
To lock the front doors, push the inside lock knob to the lock position (1), and then close the door while pulling the door handle.

To lock the rear doors, push the inside lock knob to the lock position (1) and then close the door

To unlock, pull the inside lock knob to the unlock position (2).

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

LOCKING WITH POWER DOOR LOCK SWITCH (if equipped)





CAUTION:

When locking the doors using the power door lock switch, be sure not to leave the key in the vehicle.

To lock the doors, push the power door lock switch to the lock position ①.

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

VEHICLE SPEED SENSING DOOR LOCK MECHANISM (if equipped)

All doors will be locked automatically when the vehicle speed reaches 10 km/h (6 MPH). Once the lock has been unlocked, while driving, the vehicle speed sensing door lock mechanism will not lock the door again unless one of the following is performed.

- Opening any doors.
- Placing the ignition switch in the "OFF" position.

To activate or deactivate vehicle speed sensing door lock mechanism

To activate or deactivate the door lock mechanism, perform the following procedures.

The function is set to deactivated as the factory default setting.

- Place the ignition switch in the "ON" position
- Within 20 seconds, push and hold the power door lock switch to the "LOCK" position for 5 seconds.
- The hazard indicator light will flash as follows if the switching operation is successful:
- Twice activated
- Once deactivated

AUTO DOOR LOCK RELEASING ME-CHANISM (if equipped)

All doors will be unlocked automatically when the ignition switch moved from "ON" to "OFF" position (models with Intelligent Key system).

All doors will be unlocked automatically when the key is removed from the ignition switch (models without Intelligent Key system).

To activate or deactivate auto door lock releasing mechanism

To activate or deactivate the auto door lock releasing mechanism, perform the following procedures.

The function is set to deactivated as the factory default setting.

Place the ignition switch in the "ON" position.

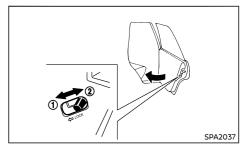
- Within 20 seconds, push and hold the power door lock switch to the "UNLOCK" position for 5 seconds.
- The hazard indicator light will flash as follows if the switching operation is successful:
- Twice activated
- Once deactivated

IMPACT SENSING DOOR LOCK RELEAS-ING MECHANISM (if equipped)

All doors will be unlocked automatically in the event of frontal or rear impact while the ignition switch is in the "ON" position.

The impact sensing door lock releasing mechanism may not function depending on the force of the impact.

CHILD SAFETY REAR DOOR LOCK



The child safety rear door locks help prevent rear 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 rear door locks engage and the rear doors can only be opened by the outside

REMOTE KEYLESS ENTRY SYSTEM (if equipped)

door handles

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

The remote keyless entry system can operate all door locks using the remote controller. The remote controller can operate at a distance of approximately 1 m (3.3 ft) away from the vehicle. The operating distance depends upon the conditions around the vehicle

As many as 5 remote controllers can be used with one vehicle. For information about the purchase and use of additional remote controllers, contact a NISSAN dealer.

The remote controller will not function under the following conditions:

- When the distance between the remote controller and vehicle is more than approximately 1 m (3.3 ft).
- When the remote controller battery is discharged.
- When the key is in the ignition switch.



CAUTION:

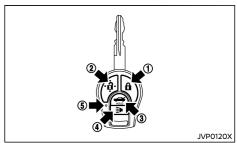
- When locking the doors using the remote controller, be sure not to leave the key in the vehicle.
- Do not allow the remote controller, which contains electrical components, to come into contact with water or salt water. This could affect the system function.
- Do not drop the remote controller.
- Do not strike the remote controller sharply against another object.
- Do not place the remote controller for an extended period in an area where temperatures exceed 60°C (140°F).
- When the outside temperature is extremely low, the remote keyless entry system may not function properly.

If a remote controller is lost or stolen, NISSAN

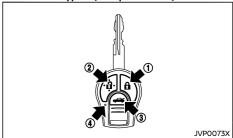
recommends erasing the ID code of that remote controller from the vehicle. This may prevent the unauthorized use of the remote controller to unlock the vehicle. For information regarding the erasing procedure, contact a NISSAN dealer.

For information regarding the replacement of a battery, see "Remote controller battery" (P.8-

USING REMOTE KEYLESS ENTRY SYS-TEM



Type A (with panic alarm)



Type B (without panic alarm)

INTELLIGENT KEY SYSTEM (if equipped)

Locking doors

- Remove the key from the ignition switch.
- Close all doors.
- Push the "LOCK" ♠ button (1) on the remote controller
- 4 All doors will be locked
- Operate door handles to confirm that the doors have been securely locked.



CAUTION:

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

Unlocking doors

- Push the "UNLOCK" 2 on the remote controller.
- All doors will be unlocked.

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

a button 2 on the remote controller while the doors are locked.

- Opening any doors.
- Inserting the key into the ignition switch.

If during this 30-second time period, the "UNLOCK" button on the remote controller is pushed, all doors will be locked automatically after another 30 seconds.

Opening trunk lid

- ton (3) on the remote controller for longer than 1 second with the key removed from the ignition switch.
- 2. The trunk lid opens.

Using panic alarm (if equipped)

If you are near your vehicle and feel threatened. you may activate the alarm to call attention as follows:

- 1. Push the "PANIC" button 4 (Type A) on the remote controller for more than 1 second
- 2. The theft warning alarm will stay on for 25 seconds
- 3. The panic alarm stops when:
- It has run for 25 seconds, or
- Any of the buttons on the remote controller are pushed. (Note: Panic or trunk button should be pushed for more than 1 second.)

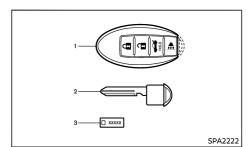
Battery indicator light

The battery indicator light (5) (Type A) or (4) (Type B) illuminates when you push any button. If the light does not illuminate, the battery is weak or needs replacement. For information regarding replacement of a battery, see "Remote controller battery" (P.8-22).

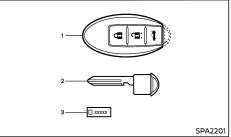
Hazard indicator operation

When you lock or unlock the doors, the hazard indicator will flash as a confirmation

- "I OCK". The hazard indicator flashes once
- "UNLOCK". The hazard indicator flashes twice



Type A (with panic alarm)



Type B (without panic alarm)

- 1. Intelligent Key (2)
- Mechanical key (inside the Intelligent Key) (2)
- Key number plate



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 be used to operate all the doors and the trunk with the remote controller function or by 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.
- When the outside temperature is extremely low, the Intelligent Key system may not function properly.

The Intelligent Kev is always communicating with the vehicle as it receives radio waves. The Intelligent Kev 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 Kev 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 kev.

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.8-23).

Since the Intelligent Kev 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.

When the battery is discharged, firmly apply the foot brake and touch the ignition switch with the Intelligent Key. Then push the ignition switch while depressing the brake pedal (CVT model) or the clutch pedal (MT model) within 10 seconds after the chime sound. (See "Pushbutton ignition switch (model with Intelligent Key system)" (P.5-8).)

Because the steering wheel is locked electrically, unlocking the steering wheel with the ignition switch in the "LOCK" position is impossible when the vehicle battery is completely discharged. Pay special attention that the vehicle battery is not completely discharged.

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:

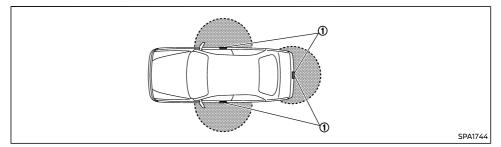
- Do not allow the Intelligent Key, which contains electrical components, to come into contact with water or salt water. This could affect the system function.
- Do not drop the Intelligent Key.
- Do not strike the Intelligent Kev sharply against another object.
- Do not change or modify the Intelligent Key.
- Wetting may damage the Intelligent Key. If the Intelligent Key gets wet, immediately wipe until it is completely dry.
- If the outside temperature is below -10°C (14 °F), the battery of the Intelligent Key may not function properly.
- Do not place the Intelligent Key for an extended period in an area where temperatures exceed 60°C (140°F).
- 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 or cellular phones.

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

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).

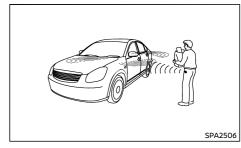
When the Intelligent Key battery is discharged or strong radio waves are present near the operating location, the Intelligent Key system's operating range becomes narrower, and the Intelligent Key may not function properly.

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 and the trunk

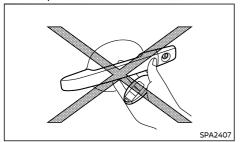
USING INTELLIGENT KEY SYSTEM



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

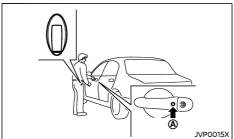
When the ignition switch is in the "ACC" or "ON" position



- 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
- To prevent the Intelligent Key from being left inside the vehicle or the trunk, make sure you are carrying the key with you and then lock the doors or the trunk.

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 open the door.

Locking doors



When you carry the Intelligent Key with you, you can lock or unlock all doors by pushing the door handle request switch (driver's or front passenger's) (A) within the range of operation.

When you lock or unlock the doors, the hazard indicator will flash and the outside chime will sound as a confirmation. For details, see "Hazard indicator and outside chime operation" (P.3-16).

- 1. Push the ignition switch to the "OFF" position.
- 2. Carry the Intelligent Key with you.
- 3. Close all doors.
- 4. Push the door handle request switch (A) (driver's or front passenger's).
- 5. All doors 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, lockout protection is equipped with the Intelligent Kev system.

- When the Intelligent Key is left in the vehicle and you try to lock the door using the driver's inside lock knob after getting out of the vehicle, all the doors will unlock automatically and a chime will sound after the door is closed.
- When the Intelligent Key is left in the vehicle while the driver's door is opened 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 power door lock switch or the driver's inside lock knob is operated.



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 on the top of the rear parcel.
- When the Intelligent Key is placed inside of the glove box.
- When the Intelligent Key is placed inside of the door pockets.
- When the Intelligent Key is placed on or under the spare tire area.
- When the Intelligent Key is placed on the outer side of the trunk area.
- When the Intelligent Key is placed inside or near metallic materials.

The lockout protection may function when

the Intelligent Key is outside the vehicle but is too close to the vehicle.

Unlocking doors

- 1. Carry the Intelligent Key with you.
- 2. Push the door handle request switch (A).
- 3 All doors 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.

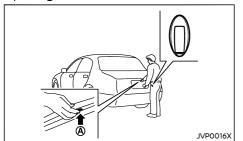
Automatic relock:

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 ignition switch.

If during the preset time period the "UNLOCK" button on the Intelligent Key is pushed, all doors will be locked automatically after the next preset time.

Opening trunk lid



- 1. Carry the Intelligent Key.
- 2. Push the trunk open request switch (A).
- The trunk will be unlatched.
- 4. The outside chime sounds 4 times.
- 5. Raise the trunk lid to open the trunk.



CAUTION:

When closing the trunk, make sure to have the Intelligent Key in your possession before closing the trunk to prevent the Intelligent Key from being left in the trunk.

Lockout protection:

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

When the trunk lid is closed with all the doors locked and the Intelligent Key inside the trunk, a chime will sound and the trunk lid will open.



CAUTION:

The lockout protection may not function under the following conditions.

- When the Intelligent Key is placed on or under the spare tire area.
- When the Intelligent Key is placed at the outer side of the trunk area.
- When the Intelligent Key is placed inside or near metallic materials.

BATTERY SAVER SYSTEM

When all the following conditions are met for a period of time, the battery saver system will cut off the power supply to prevent battery discharge.

- The ignition switch is in the "ACC" position
- All doors are closed, and
- The shift lever is in the "P" (Park) position (Automatic Transmission/Continuously Variable Transmission model).

WARNING AND AUDIBLE REMINDERS

The Intelligent Key system is equipped with a function that is designed to minimize improper operations of the Intelligent Key and to help prevent the vehicle from being stolen. A chime or beep sounds inside and outside the vehicle and a warning light illuminates or blinks.

See the troubleshooting guide on the next page and "Warning lights, indicator lights and audible reminders" (P.2-11).

Intelligent Key system warning light:



P position selecting warning light: (Automatic Transmission/Continuously Variable Transmission model)



CAUTION:

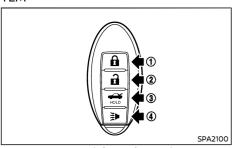
When the chime or beep sounds or the warning light illuminates or blinks, be sure to check both the vehicle and the Intelligent Key.

TROUBLESHOOTING GUIDE

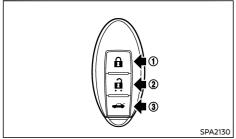
Sym	otom	Possible cause	Action to take
When pushing the ignition switch to stop the engine	The P position selecting warning light in the meter and the inside warning chime sounds continuously (Automatic Transmission/ Continuously Variable Transmission model).	The shift lever is not in the "P" (Park) position.	Shift the shift lever to the "P" (Park) position.
When shifting the shift lever to the "P" (Park) position (Automatic Transmission/Continuously Variable Transmission model).	The inside warning chime sounds continuously.	The ignition switch is in the "ACC" or "ON" position.	Push the ignition switch to the "OFF" position.
When opening the driver's door to get out of the vehicle	The inside warning chime sounds continuously.	The ignition switch is in the "ACC" position.	Push the ignition switch to the "OFF" position.
When closing the door after getting out of the vehicle	The Intelligent Key system warning light in the meter blinks in yellow, the outside chime sounds 3 times and the inside warning chime sounds for a few seconds.	The ignition switch is in the "ACC" or "ON" position.	Push the ignition switch to the "OFF" position.
	The P position selecting warning light in the meter illuminates and the outside chime sounds continuously (Automatic Transmission/ Continuously Variable Transmission model).	The ignition switch is in the "ACC" or "OFF" position and the shift lever is not in the "P" (Park) position.	Move the shift lever to the "P" (Park) position and push the ignition switch to the "OFF" position.
When closing the door with the inside lock knob turned to the "LOCK" position	The outside chime sounds for a few seconds and all the doors unlock.	The Intelligent Key is inside the vehicle or trunk.	Carry the Intelligent Key with you.
When pushing the request switch or the "LOCK" A button on the Intelligent Key to lock the door	th The outside chime sounds for a few	The Intelligent Key is inside the vehicle or trunk.	Carry the Intelligent Key with you.
		The ignition switch is in the "ACC" or "ON" position.	Push the ignition switch to the "OFF" position.
		A door is not closed securely.	Close the door securely.
When closing the trunk lid	The outside chime sounds for approximately 10 seconds and the trunk lid opens.	The Intelligent Key is inside the trunk.	Carry the Intelligent Key with you.

Sym	otom	Possible cause	Action to take
When pushing the door handle request switch 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 Intelligent Key system warning light in the meter blinks in green.	The battery charge is low.	Replace the battery with a new one. (See "Intelligent Key battery" (P.8- 23).)
	The Intelligent Key system warning light in the meter blinks in yellow.	The Intelligent Key is not in the vehicle.	Carry the Intelligent Key with you.

USING REMOTE KEYLESS ENTRY SYS-TEM



Type A (with panic alarm)



Type B (without panic alarm)

Operating range

The remote keyless entry system allows you to lock/unlock all doors and to unlock the trunk lid. It also provides the panic alarm (if equipped). 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.8-23).

Locking doors

When you lock or unlock the doors, the hazard indicator will flash and the outside chime will sound as a confirmation

- 1. Place the ignition switch in the "OFF" position and carry the Intelligent Key.
- Close all doors.
- 3. Push the "LOCK" A button (1) on the Intelligent Key.
- 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

- Push the "UNLOCK" A button (2) on the Intelligent Key.
- 2. All doors 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" a button on the Intelligent Key while the doors are locked. If during this 30-second time period, the "UNLOCK" a button on the Intelligent Key is pushed, all doors will be locked automatically after another 30 seconds.

- Opening any doors.
- Pushing the ignition switch.

Opening trunk lid

- 1. Push the "TRUNK" ₩ button ③ on the Intelligent Key for more than 1 second.
- The trunk will be unlatched.
- 3. Raise the trunk lid to open the trunk.

Using panic alarm (if equipped)

If you are near your vehicle and feel threatened. vou may activate the alarm to call attention as follows:

- 1. Push the "PANIC" 🐞 button 4 on the Intelligent Key for more than 1 second.
- 2. The theft warning alarm will stay on for 25 seconds.
- 3. The panic alarm stops when:
- It has run for 25 seconds, or
- Any of the buttons on the Intelligent Key are pushed. (Note: Panic or trunk button should be pushed for more than 1 second.)

HAZARD INDICATOR AND OUTSIDE CHIME OPERATION

When you lock or unlock the doors 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.

Hazard indicator and horn mode

	DOOR LOCK	DOOR UNLOCK	TRUNK UNLOCK
Intelligent Key system (using request switch)	HAZARD - once OUTSIDE CHIME - once	HAZARD - twice OUTSIDE CHIME - twice	HAZARD - none OUTSIDE CHIME - 4 times
Remote keyless entry system (using a or a button)	HAZARD - once OUTSIDE CHIME - once	HAZARD - twice OUTSIDE CHIME - twice	HAZARD - none OUTSIDE CHIME - 4 times

SECURITY SYSTEM (if equipped)



WARNING:

- Do not change or modify the security system. Doing so could affect the proper operation of the system.
- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Your vehicle is equipped with the following security systems:

- Theft warning system (if equipped)
- NISSAN Anti-Theft System (NATS)*

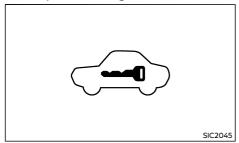
(* immobilizer)

The security condition will be shown by the security indicator light.

THEFT WARNING SYSTEM (if equipped)

The theft warning system provides visual and audio alarm signals if parts of the vehicle are disturbed

Security indicator light



The security indicator light is located in the meter panel.

This light operates whenever the ignition switch is in the "ACC", "OFF" or "LOCK" position. This is normal

How to activate the system:

1. Close all windows and push the ignition switch to the "OFF" position.

The system can be activated even if the windows are open.

- 2. Carry the Intelligent Key with you and get out of the vehicle
- 3. Make sure the hood and the trunk are closed. Close and lock all doors with the door handle request switch, LOCK button on the Intelligent Key or power door lock switch.
 - If the door is locked using the inside lock knob, the system will not be activated.
- 4. Confirm that the security indicator light comes on. The security indicator light stays on for approximately 30 seconds. The vehicle security system is now pre-armed. After approximately 30 seconds the vehicle security system automatically shifts into the armed phase. The security light begins to flash once every approximately 3 seconds.

If, during this 30-second pre-arm time period, the door is unlocked with the door handle request switch, the "UNLOCK" button on the Intelligent Key, the power door lock switch, or the ignition switch is pushed to the "ACC" or "ON" position, the system will not arm.

Even when the driver and/or passengers are in the vehicle, the system will activate with all doors locked and ignition switch in the "LOCK" position. Push the ignition switch to the "ACC" or "ON" position to turn the system

off.

Theft warning system operation:

The warning system will give the following alarm:

- The hazard indicator blinks and the horn. sounds intermittently for approximately 30 seconds
- The alarm automatically turns off after approximately 30 seconds. However, the alarm reactivates if the vehicle is tampered with again.

The alarm is activated by:

- Operating the door or the trunk without using the Intelligent Key system.
- Opening the hood.

How to stop alarm:

- The alarm will stop by unlocking a door with the door handle request switch or "UNLOCK" 🔒 button on the Intelligent Key.
- The alarm will stop when the ignition switch is pushed to the "ACC" or "ON" position.

If the system does not operate as described above, have it checked by a NISSAN dealer.

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:

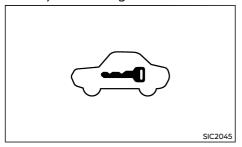
- Another NATS kev.
- Automated toll road device

HOOD

- Automated payment device.
- Other devices that transmit similar signals. Start the engine using the following procedure:
- Remove any items that may be causing the interference away from the NATS key.
- Leave the ignition switch in the "ON" position for approximately 5 seconds.
- Place the ignition switch in the "OFF" or "LOCK" position, and wait approximately 10 seconds.
- 4. Repeat steps 2 and 3 again.
- 5. Start the engine.
- 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.

Security indicator light



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

The light operates whenever the ignition switch is in the "LOCK", "OFF" or "ACC" 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.

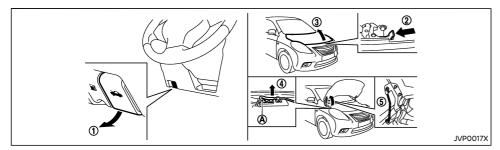
If the light remains on and/or the engine does not start, contact a NISSAN dealer for NATS service as soon as possible. Be sure to bring all NATS keys that you have when visiting a NISSAN dealer for service.

A

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



- Pull the hood lock release handle (1) located below the instrument panel until the hood springs up.
- 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 parts (A) 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. While supporting the hood, 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 hood lock, then let it drop.
- 3. Make sure it is securely latched.

TRUNK LID

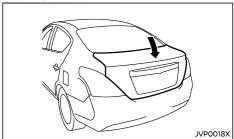


WARNING:

- The trunk lid must be closed securely before driving. An open trunk lid could allow dangerous exhaust gases to be drawn inside the vehicle.
- Closely supervise children when they are around your vehicle to prevent them from playing and becoming locked in the trunk where they could be seriously injured. Keep the vehicle locked, with the trunk lid closed when not in use, and keep access to vehicle keys away from children.

The trunk lid can be opened by performing one of the following operations.

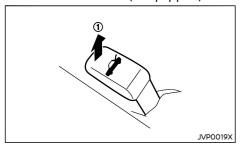
- Using the trunk lid release handle (if equipped)
- Using the remote controller (if equipped)
- Using the Intelligent Key remote keyless entry function (if equipped)
- Using the Intelligent Key trunk open request switch (if equipped)
- Using the key (if equipped)



To close the trunk lid, push the trunk lid down

until it securely locks.

OPENING TRUNK LID (if equipped)



Pull the trunk lid release handle ① located below the driver's seat until the trunk lid springs up.

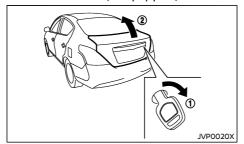
TRUNK BUTTON ON REMOTE CONTROLLER (if equipped)

TRUNK BUTTON ON INTELLIGENT KEY (if equipped)

TRUNK OPEN REQUEST SWITCH (if equipped)

To open the trunk lid, push the trunk open request switch while carrying the Intelligent Key. (See "Intelligent Key system" (P.3-8).)

KEY OPERATION (if equipped)



To open the trunk lid, insert the key to the key cylinder and turn the clockwise 1.

The trunk lid will be released (2).

FUEL-FILLER LID



WARNING:

- Gasoline 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.
- Fuel may be under pressure. Turn the cap a half of a turn, and wait for any "hissing" sound to stop to prevent fuel from spraying out and possibly causing personal injury. Then remove the cap.
- Use only an original equipment type fuelfiller cap as a replacement. It has a builtin safety valve needed for proper operation of the fuel system and emission control system. An incorrect cap can result in a serious malfunction and possible injury.

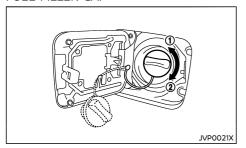
OPENING FUEL-FILLER LID



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

STEERING WHEEL

FUEL-FILLER CAP



The fuel-filler cap is a ratcheting type. Turn the cap counterclockwise ① to remove. Tighten the cap clockwise ② until ratchet clicks, more than twice, after refueling.



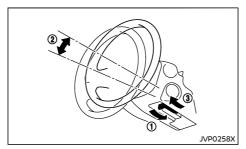
CAUTION:

If fuel is spilled on the vehicle body, flush it away with water to avoid paint damage.

A

WARNING:

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



While pushing the lock lever down ①, adjust the steering wheel up or down ② until the desired position is achieved.

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

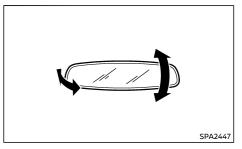
MIRRORS



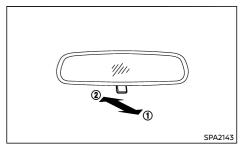
WARNING:

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.

For Hona Kona:

Do not attach any accessories or electrical devices to or around the inside rearview mirror. Otherwise, the Intelligent Key system (if equipped) and remote keyless entry system may not function properly.

OUTSIDE REARVIEW MIRRORS

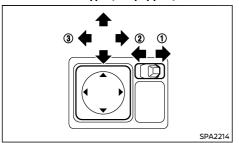


WARNING:

- 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. (if equipped)
- The picture dimensions and distance in the outside mirrors are not real.

Adjusting

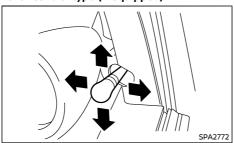
Remote control type (if equipped):



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

- 1. Move the switch to select the right (1) or left (2) mirror.
- 2. Adjust each mirror until the desired position is achieved (3).

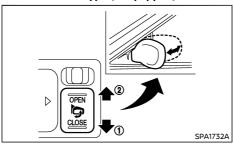
Lever control type (if equipped):



Adjust the mirror angles with the inside lever until the desired position is achieved.

Foldina

Remote control type (if equipped):



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

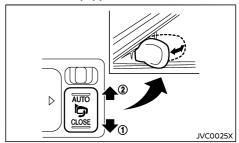
The outside rearview mirrors automatically fold when the outside rearview mirror folding switch is pushed to the "CLOSE" position (1). To unfold, push to the "OPEN" position (2).



CAUTION:

- Continuously performing the fold/unfold operation of the outside rearview mirror may cause the switch to stop the operation.
- Do not touch the mirrors while they are moving. Your hand may be pinched, and the mirror may malfunction.
- Do not drive with the mirrors stored. You will be unable to see behind the vehicle.
- If the mirrors were folded or unfolded by hand, there is a chance that the mirror will move forward or backward during driving. If the mirrors were folded or unfolded by hand, be sure to adjust them again electrically before driving.

Automatic folding function with interlocking door lock (if equipped):



The outside rearview mirrors fold automatically by interlocking door lock. This function can be used while the outside rearview mirror folding switch is in the "AUTO" position (2).

- The outside rearview mirrors fold automatically when the door is locked by the door handle request switch or the remote keyless entry system.
- The outside rearview mirrors do not fold automatically when the switch is in the intermediate position.
- The outside rearview mirrors unfold when the ignition switch is placed in the "ACC" or "ON" position.



WARNING:

- When the outside rearview mirror is folded/unfolded manually, depending on the switch position, the outside rearview mirror may start operation by placing the ignition switch in the "ACC" or "ON" position.
- When unfolding the outside rearview mirror with the switch being in the "AUTO" position, the mirror will be unfolded further by placing the ignition switch in the "ACC" or "ON" position.

To return its original position, fold the outside rearview mirror once.

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

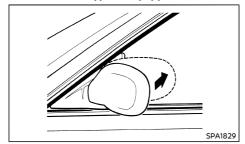
The outside rearview mirrors automatically fold when the outside rearview mirror folding switch is pushed to the "CLOSE" position (1). To unfold, push to the "AUTO" position (2).



CAUTION:

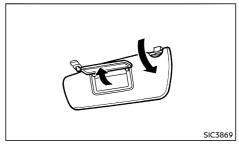
- Continuously performing the fold/unfold operation of the outside rearview mirror may cause the switch to stop the operation.
- Do not touch the mirrors while they are moving. Your hand may be pinched, and the mirror may malfunction.
- Do not drive with the mirrors stored. You will be unable to see behind the vehicle.
- If the mirrors were folded or unfolded by hand, there is a chance that the mirror will move forward or backward during driving. If the mirrors were folded or unfolded by hand, be sure to adjust them again electrically before driving.

Manual control type (if equipped):



Fold the outside rearview mirror by pushing it toward the rear of the vehicle

VANITY MIRROR (if equipped)



To access the vanity mirror, pull the sun visor down and pull up the mirror cover.

PARKING BRAKE



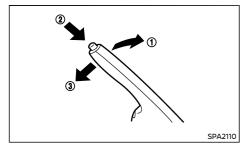
WARNING:

- 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 release the parking brake, firmly depress and hold the foot brake pedal. Pull up the parking brake lever slightly, push the button ② and lower the lever completely ③.

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

LEVER TYPE



To apply the parking brake, pull the parking brake lever up ①.

3-24 Pre-driving checks and adjustments

4 Heater and air conditioner, and audio system

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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.

REAR VIEW MONITOR (if equipped)

When the shift lever is shifted into the R (Reverse) position, the monitor display shows the view to the rear of the vehicle

The system is designed as an aid to the driver in situations such as slot parking or parallel parking.



WARNING:

Failure to follow the warnings and instructions for proper use of the rear view monitor could result in serious injury or death.

- The rear view monitor is a convenience but it is not a substitute for proper backing. Always turn and look out the windows, and check mirrors to be sure that it is safe to move before operating the vehicle. Always back up slowly.
- The system is designed as an aid to the driver in showing large stationary objects directly behind the vehicle, to help avoid damaging the vehicle.
- The system cannot completely eliminate blind spots and may not show every object.
- Underneath the bumper and the corner areas of the bumper cannot be viewed on the rear view monitor because of its monitoring range limitation. The system will not show small objects below the bumper, and may not show objects close to the bumper or on the ground.
- Objects viewed in the rear view monitor differ from actual distance because a wide-angle lens is used.
- Objects in the rear view monitor will appear visually opposite than when viewed in the rear view and outside mirrors.

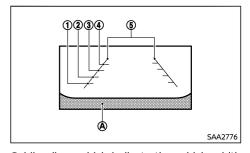
- Make sure that the trunk lid is securely closed when backing up.
- Do not put anything on the rear view camera. The rear view camera is installed above the license plate.
- When washing the vehicle with highpressure water, be sure not to spray it around the camera. Otherwise, water may enter the camera unit causing water condensation on the lens, a malfunction, fire or an electric shock.
- Do not strike the camera. It is a precision instrument. Otherwise, it may malfunction or cause damage resulting in a fire or an electric shock.



CAUTION:

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

HOW TO READ THE DISPLAYED LINES.



Guiding lines which indicate the vehicle width and distances to objects with reference to the bumper line (A) are displayed on the monitor.

Distance guide lines:

Indicate distances from the bumper.

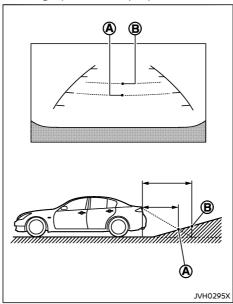
- Red line (1): approx. 0.5 m (1.5 ft)
- Yellow line 2: approx. 1 m (3 ft)
- Green line 3: approx. 2 m (7 ft)
- Green line 4: approx. 3 m (10 ft)

Vehicle width guide lines (5):

Indicate the vehicle width when backing up.

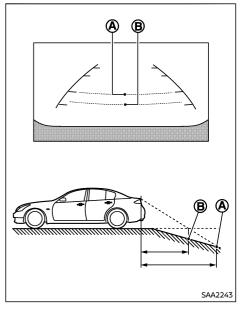
DIFFERENCE BETWEEN PREDICTIVE AND **ACTUAL DISTANCES**

Backing up on a steep uphill



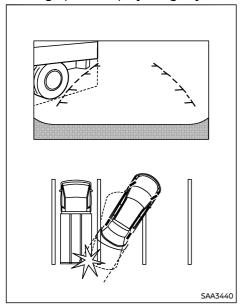
When backing up the vehicle up a hill, the distance guide lines and the vehicle width guide lines are shown closer than the actual distance. For example, the display shows 1 m (3 ft) to the place (A), but the actual 1 m (3 ft) distance on the hill is the place (B). Note that any object on the hill is viewed in the monitor further than it appears.

Backing up on a steep downhill



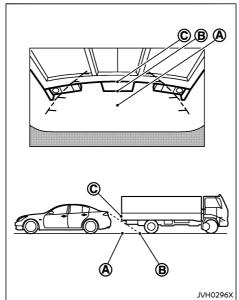
When backing up the vehicle down a hill, the distance guide lines and the vehicle width guide lines are shown further than the actual distance. For example, the display shows 1 m (3 ft) to the place (A), but the actual 1 m (3 ft) distance on the hill is the place (B). Note that any object on the hill is viewed in the monitor closer than it appears.

Backing up near a projecting object



The vehicle may seem to nearly clear the object in the display. However, the vehicle may hit the object if it projects over the actual backing up course.

Backing up behind a projecting object



The position © is shown further than the position (B) in the display. However, the position © is actually at the same distance as the position (A) The vehicle may hit the object when backing up to the position (A) if the object projects over the actual backing up course.

ADJUSTING THE SCREEN

For detailed information, see "Audio main operation" (P.4-38).

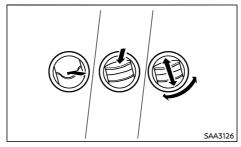
OPERATING TIPS

- When the shift lever is shifted to the R (Reverse) position, the monitor screen automatically changes to the rear view monitor mode. However, the radio can be heard
- When the view is switched, the display images on the screen may be displayed with some delay.
- When the temperature is extremely high or low, the screen may not clearly display objects. This is not a malfunction.
- When strong light is directly coming on the camera, objects may not be displayed clearly. This is not a malfunction.
- Vertical lines may be seen in objects on the screen. This is due to strong reflected light from the bumper. This is not a malfunction.
- The screen may flicker under fluorescent light. This is not a malfunction.
- The colors of objects on the rear view monitor may differ somewhat from the actual color of objects. This is not a malfunction.
- Objects on the monitor may not be clear in a dark environment. This is not a malfunction.
- If dirt, rain or snow accumulates on the camera, the rear view monitor may not display objects clearly. Clean the camera.
- Do not use alcohol, benzine or thinner to clean the camera. This will cause discoloration. To clean the camera, wipe with a cloth dampened with diluted mild cleaning agent and then wipe with a dry cloth.

VENTILATORS

- Do not damage the camera as the monitor screen may be adversely affected.
- Do not use wax on the camera window. Wipe off any wax with a clean cloth dampened with mild detergent diluted with water

SIDE VENTILATORS

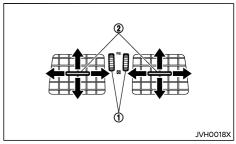


Adjust the air flow direction of the ventilators by opening, closing or rotating.

The side ventilators can be used for the side window defogger.

CENTER VENTILATORS

Square type



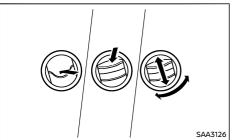
Open/close the ventilators by moving the control (1) in either direction (if equipped).

- This symbol indicates that the ventilators are closed. Moving the side control in this direction will close the ventilators.
- This symbol indicates that the ventilators are open. Moving the side control in this direction will open the ventilators.

Adjust the air flow direction of the ventilators by moving the center knob (2) (up/down/left/ right) until the preferred position is achieved.

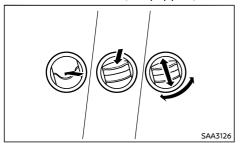
HEATER AND AIR CONDITIONER

Circle type



Adjust the air flow direction of the ventilators by opening, closing or rotating.

REAR VENTILATORS (if equipped)



Adjust the air flow direction of the ventilators by opening, closing or rotating.

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 when the ignition switch is in the "ON" position even if the engine is turned off.

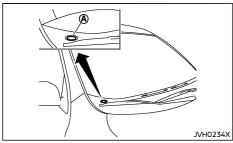
For models with Idling Stop System

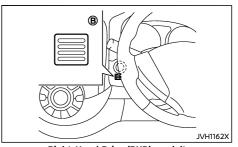
When the engine is stopped by the Idling Stop System, heating, cooling and dehumidifying functions will be deactivated. To avoid the air conditioning functions from being deactivated. turn off the Idling Stop mode by pressing the Idling Stop OFF switch. For more details, see "Idling Stop System (if equipped for Thailand)" (P.5-21) or "Idling Stop System (for Hong Kong)" (P.5-22).

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 (for automatic air conditioner)





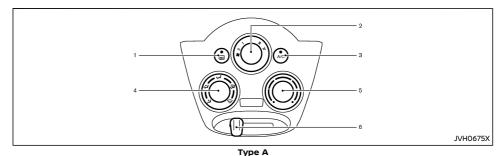
Right-Hand Drive (RHD) model* When the engine coolant temperature and

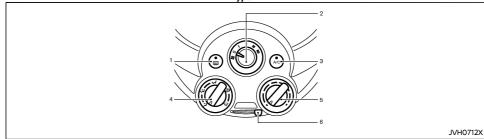
outside air temperature are low, the air flow from the foot outlets may not operate for a maximum of 150 seconds. However, this is not a malfunction. After the coolant temperature warms up, the air flow from the foot outlets will operate normally.

The sensors (A) and (B), located on the instrument panel, help maintain a constant temperature. Do not put anything on or around the sensors.

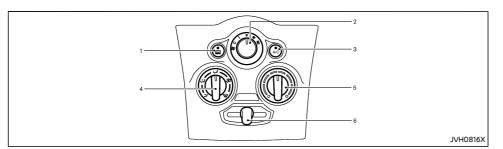
*: The illustration is for the Right-Hand Drive (RHD) model. For the Left-Hand Drive (LHD) model, the layout will be the opposite.

MANUAL AIR CONDITIONER





Type B



Type C

- Rear window defogger switch (if equipped) (See "Defogger switch" (P.2-24).)
- Fan speed control " 🐓 " dial
- "A/C" (Air Conditioner) button (if equipped) 3
- Air flow control dial
- 5. Temperature control dial
- Air intake lever (Outside air circulation " \(\sigma \)" /Air recirculation " \(\sigma \)")

To turn off the heater and air conditioner, turn the fan speed control " 🐓 " dial to the "OFF" (0) position.

NOTE:

For models with Idling Stop System

The Idling Stop System will not activate under the following conditions:

- When the air flow control dial knob is in the front defogger position and the fan speed control dial is on
- When rear window defogger switch is turned on

Controls

Air intake control:

- Move the air intake lever to the " position. The air flow is drawn from outside the vehicle
- Move the air intake lever to the " position. The air flow is circulated inside the vehicle.

Air flow control:

Turn the air flow control dial 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 out-
- Air flows from the defogger and foot outlets.
- Air flows mainly from the defogger outlets

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.

Temperature control:

Turn the temperature control dial to set the desired temperature. Turn the dial between the middle and the right position to select the hot temperature. Turn the dial between the middle and the left position to select the cool temperature.

Heater operation

Heating:

This mode is used to direct heated air to the foot outlets.

- 1. Move the air intake lever to the " position for normal heating.
- 2. Turn the air flow control dial to the " , i " position.
- 3. Turn the fan speed control " 🐓 " dial to the desired position.
- 4. Turn the temperature control dial to the desired position between the middle and the hot (right) position.

Ventilation:

This mode directs outside air to the side and center ventilators.

- 1. Move the air intake lever to the " position.
- 2. Turn the air flow control dial to the " 🕻 " position.
- 3. Turn the fan speed control " 🐓 " dial to the desired position.

4. Turn the temperature control dial to the desired position.

Defrosting or defogging:

This mode directs the air to the defogger outlets to defrost/defog the windows.

- 1. Move the air intake lever to the " position.
- 2. Turn the air flow control dial to the " w ' position.
- 3. Turn the fan speed control " 🐓 " dial to the desired position.
- 4. Turn the temperature control dial to the desired position between the middle and the hot (right) position.
- 5 Turn the side ventilators to the side windows to defrost or defog for a clear view to the side mirrors
- To remove frost from the outside surface of the windshield quickly, turn the temperature control dial to the maximum hot position and the fan speed control " 🐓 " dial to the maximum position.
- If it is difficult to defog the windshield, turn the "A/C" button (if equipped) on.

Bi-level heating:

This mode directs cool air from the side and center vents and warm air from the foot outlets. When the temperature control dial is turned to the maximum hot or cool position, the air between the ventilators and the foot outlets is the same temperature.

- 1. Move the air intake lever to the " position.
- 2. Turn the air flow control dial to the " 💢 " position.

- 3. Turn the fan speed control " 🐓 " dial to the desired position.
- 4. Turn the temperature control dial to the desired position.

Heating and defogging:

This mode heats the interior and defogs the windows

- 1. Move the air intake lever to the " position.
- 2. Turn the air flow control dial to the " 👺 ' position.
- 3. Turn the fan speed control " 🐓 " dial to the desired position.
- 4. Turn the temperature control dial to the maximum hot (right) position.
- 5. Turn the side ventilators to the side windows to defrost or defog for a clear view to the side mirrors.

Air conditioner operation (if equipped)

The air conditioner system should be operated for approximately 10 minutes at least once a month. This helps prevent damage to the air conditioner system due to the lack of lubrication

Coolina:

This mode is used to cool and dehumidify the

- 1. Move the air intake lever to the " position.
- 2. Turn the air flow control dial to the " 🕻 " position.
- 3. Turn the fan speed control " 🐓 " dial to the desired position.

- 4. Push the "A/C" button on. (The "A/C" indicator light will illuminate.)
- 5. Turn the temperature control dial to the desired position between the middle and the cool (left) position.
- For guick cooling when the outside temperature is high, move the air intake lever to the " position. Be sure to move the air intake lever to the ">" position for normal cooling.
- 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

Dehumidified heating:

This mode is used to heat and dehumidify the air.

- 1. Move the air intake lever to the " position.
- 2. Turn the air flow control dial to the " ••• " position.
- 3. Turn the fan speed control " 🐓 " dial to the desired position.
- 4. Push the "A/C" button on (The "A/C" indicator light will illuminate.)
- 5. Turn the temperature control dial to the desired position between the middle and the hot (right) position.

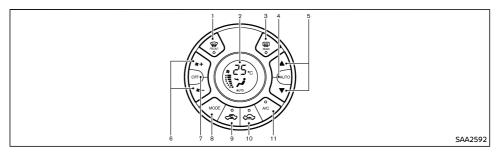
Dehumidified defogging:

This mode is used to defog the windows and dehumidify the air.

- 1. Move the air intake lever to the " position
- 2. Turn the air flow control dial to the " w " position.

- 3. Turn the fan speed control " 🐓 " dial to the desired position.
- 4. Push the "A/C" button on. (The "A/C" indicator light will illuminate.)
- 5. Turn the temperature control dial to the desired position.
- 6. Turn the side ventilators to the side windows to defrost or defog for a clear view to the side mirrors

AUTOMATIC AIR CONDITIONER



- Front defogger " 🛒 " button
- Display
- Rear window defogger " button (See "Defogger switch" (P.2-24).)
- "AUTO" button
- Temperature control " ▲ "/" ▼ " buttons
- Fan speed control " 🐓 +" and " 🐓 -" buttons
- "OFF" button
- "MODE" (air flow control) button
- Air recirculation " button
- 10. Outside air circulation "₺\$" button
- "A/C" (Air Conditioner) button

NOTE:

For models with Idling Stop System

The Idling Stop System will not activate when the front defogger button or rear window defoager button is turned on.

Automatic operation (AUTO)

The AUTO mode may be used year-round as the system automatically controls constant temperature, air flow distribution and fan speed after the desired temperature is set manually.

To turn off the heater and air conditioner, push the "OFF" button

Cooling and dehumidified heating:

- 1. Push the "AUTO" button. ("AUTO" will appear on the display.)
- 2. If the "A/C" indicator light does not illuminate, push the "A/C" button. (The "A/C" indicator light will illuminate.)
- 3. Push the temperature control " ▲ "/" ▼ " button to set the desired temperature.
- 4. If the indicator light on either the outside air circulation ">" button or the air recirculation " button is illuminated, push and hold the button with the light illuminated to switch to the automatic air intake control mode. (Both air recirculation and outside air circulation buttons will blink twice.)

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. ("AUTO" will appear on the display.)
- 2. If the "A/C" indicator light illuminates, push the "A/C" button. (The "A/C" indicator light will turn off.)
- 3. Push the temperature control " ▲ "/" ▼ " button to set the desired temperature.
- Do not set the temperature lower than the outside air temperature. Doing so may cause the temperature to not be controlled properly.
- If the windows fog up, use dehumidified heating instead of the A/C off heating.

Dehumidified defrosting/defogging:

- Push the front defogger " m " button. (The " " indicator light will illuminate.)
- 2. Push the temperature control " ▲ "/" ▼ " button to set the desired temperature.
- To remove frost from the outside surface of the windshield quickly, set the temperature to a high temperature and the fan speed to the maximum level
- After the windshield is cleared, push the front defogger " " button again. (The indicator light will turn off.)
- 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 air recirculation mode will automatically turn off. 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 desired settings. ("MANUAL" will appear on the display.)

To turn off the heater and air conditioner, push the "OFF" button.

Fan speed control:

Push the fan speed control " \ + "/" \ - " button. Push the "#+" button to increase the fan speed. Push the " # - " button to decrease the fan speed.

Push the "AUTO" button to change the fan speed to the automatic mode.

Air flow control:

Push the "MODE" button to change the air flow mode.

- $\mathbf{Z} \mathbf{A}$ 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.

Temperature control:

Push the temperature control " ▲ "/" ▼ " button to set the desired temperature. Push the " \(\(\) " button to increase the temperature. Push the " ▼ " button to decrease the temperature.

Air intake control:

Push the air recirculation (button to recirculate interior air inside the vehicle The (s) indicator light on the button will come on

- Push the outside air circulation > button to draw outside air into the passenger compartment. The 😂 indicator light on the button will come on.
- To control the air intake automatically, push and hold either the air recirculation button or the outside air circulation button (whichever indicator light is illuminated). The indicator lights (both air recirculation and outside air circulation buttons) will flash twice, and then the air intake will switch to automatic control.

SERVICING AIR CONDITIONER



WARNING:

The air conditioner system contains refrigerant under high pressure. To avoid personal iniury, 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.9-5).

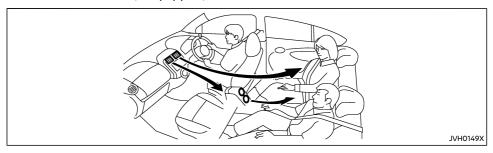
A NISSAN dealer will be able to service your environmentally friendly air conditioner system.

Air conditioner filter (if equipped)

The air conditioner system is equipped with an air conditioner filter. 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.

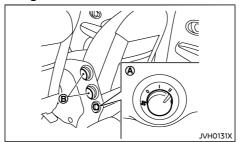
The filter should be replaced if the air flow decreases significantly or if windows fog up easily when operating the heater or air conditioner

REAR COMFORT FAN (if equipped)



The rear comfort fan improves the comfort level of the rear passengers by sending airconditioned air from the front seats area to the rear seats.

Using rear comfort fan



- Turn on the air conditioner located on the instrument panel. Wait for the front seats area to reach the preferred temperature.
- 2. Turn on the rear comfort fan.

The fan speed of the rear comfort fan can be adjusted with the control dial (A) located

in front of the rear seats. Turn the dial to set the preferred fan speed.

Fan off

Minimum fan speed

Maximum fan speed

3. The air from the front center ventilators is drawn in and blown out of the rear ventilators (B). Adjust the amount and the direction of the air flow by opening, closing or rotating the rear ventilators.

NOTE:

- When using the air conditioner (cooler), by directing the air from the front center ventilators downward toward the Rear Comfort Fan, cooled air from the front center ventilators will flow more effectively to the rear seats, allowing better incabin air circulation while providing the rear passengers with the cool feel of the wind.
- The temperature in the front seats needs to be air-conditioned (this may take up to 10 minutes after turning on the air conditioner) before the rear comfort fan

AUDIO SYSTEM (if equipped)

effectively cools/warms the rear seats.

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.

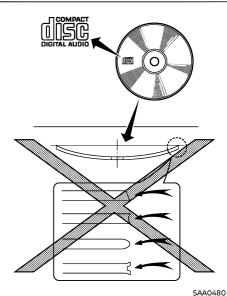
Radio

- 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.

Compact Disc (CD) player (if equipped)

- During cold weather or rainy days, the player may malfunction due to the 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 the CD 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)



- 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.

- This audio system can only play prerecorded CDs. It has no capabilities to record or burn CDs
- If the CD cannot be played, one of the following messages will be displayed. Check disc:
 - Confirm that the CD is inserted correctly (the label side is facing up, etc.).
 - Confirm that the CD is not bent or warped and it is free of scratches.

CD reading error (if equipped):

After this message is displayed, the beep sounds and then the CD in the unit will be eiected.

- Confirm that the CD is inserted correctly (the label side is facing up, etc.).
- Confirm that the CD is not bent or warped and it is free of scratches.

Push eject:

This is a malfunction due to the temperature inside the player is too high. Remove the CD by pushing the EJECT button, and after a short time reinsert the CD. The CD. can be played when the temperature of the player returns to normal.

Unplayable:

The file is unplayable in this audio system.

USB (Universal Serial Bus) Connection Port (if equipped)



WARNING:

Do not connect, disconnect or operate the USB device while driving. Doing so can be a distraction. If distracted you could lose control of your vehicle and cause an accident or serious injury.



CAUTION:

- Do not force the USB device into the USB connection port. Inserting the USB device tilted or up-side-down into the port may damage the port. Make sure that the USB device is connected correctly into the USB connection port.
- Do not grab the USB connection port cover (if equipped) when pulling the USB device out of the port. This could damage the port and the cover.
- Do not leave the USB cable in a place where it can be pulled unintentionally. Pulling the cable may damage the port.

The vehicle is not equipped with a USB device. USB devices should be purchased separately as necessary.

This system cannot be used to format USB devices. To format a USB device, use a personal computer.

In some states/area, the USB device for the front seats plays only sound without images for regulatory reasons, even when the vehicle is parked.

This system supports various USB memory devices, USB hard drives (if equipped) and iPod players. Some USB devices may not be supported by this system.

- Partitioned USB devices may not be played correctly.
- Some characters used in other languages (Chinese, Japanese, etc.) are not displayed properly on display. Using English language characters with a USB device is recommended.

General notes for USB use:

Refer to vour device manufacturer's owner information regarding the proper use and care of the device.

Notes for iPod use:

"Made for iPod", "Made for iPhone", and "Made for iPad" mean that an electronic accessory has been designed to connect specifically to iPod. iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performance standards.

Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.

Please note that the use of this accessory with iPod, iPhone, or iPad may affect wireless performance.

iPad, iPhone, iPod, iPod classic, iPod nano, iPod shuffle, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. Lightning is a trademark of Apple Inc.

- Improperly plugging in the iPod may cause a checkmark to be displayed on and off (flickering). Always make sure that the iPod is connected properly.
- An iPod nano (1st Generation) may remain in fast forward or rewind mode if it is connected during a seek operation. In this case, please manually reset the iPod.
- An iPod nano (2nd Generation) will continue to fast-forward or rewind if it is disconnected during a seek operation.
- An incorrect song title may appear when the Play Mode is changed while using an iPod nano (2nd Generation).
- Audiobooks may not play in the same order as they appear on an iPod.

- Large video files cause slow responses in an iPod. The vehicle center display may momentarily black out, but will soon recover.
- If an iPod automatically selects large video files while in the shuffle mode, the vehicle center display may momentarily black out, but will soon recover.

Bluetooth® Audio player (if equipped)

- Some Bluetooth® audio devices may not be used with this system. For detailed information about Bluetooth® audio devices that are available for use with this system. contact a NISSAN dealer
- Before using a Bluetooth® audio system. the initial registration process for the audio device is necessary.
- Operation of the Bluetooth® audio system may vary depending on the audio device that is connected. Confirm the operation procedure before use.
- The playback of Bluetooth® audio will be paused under the following conditions. The playback will be resumed after the following conditions are completed.
 - while using a hands-free phone
 - while checking a connection with a cell phone
- The in-vehicle antenna for Bluetooth® communication is built in the system. Do not place the Bluetooth® audio device in an area surrounded by metal, far away from the system or in a narrow space where the device closely contacts the body or the seat. Otherwise, sound degradation or connection interference may occur.
- While a Bluetooth® audio device is connected through the Bluetooth® wireless connection, the battery power of the device

- may discharge guicker than usual.
- This system is compatible with the Bluetooth® AV profile (A2DP and AVRCP).



Bluetooth® is a trademark owned by Bluetooth SIG, Inc. and licensed to Visteon Corporation.

Compact Disc (CD) (if equipped)/USB device with MP3/WMA/AAC (if equipped)

Explanation of terms:

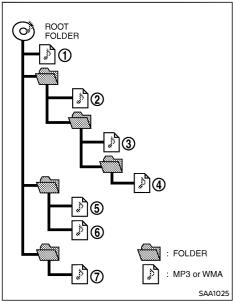
- MP3 MP3 is short for Moving Pictures Experts Group Audio Layer 3. MP3 is the most well known compressed digital audio file format. This format allows for near "CD quality" sound, but at a fraction of the size of normal audio files. MP3 conversion of an audio track from CD can reduce the file size by approximately 10:1 ratio (Sampling: 44.1 kHz, Bit rate: 128 kbps) with virtually no perceptible loss in quality. MP3 compression removes the redundant and irrelevant parts of a sound signal that the human ear doesn't hear
- WMA Windows Media Audio (WMA) is a compressed audio format created by Microsoft as an alternative to MP3. The WMA codec offers greater file compression than the MP3 codec, enabling storage of more digital audio tracks in the same amount of space when compared to MP3s at the same level of quality.

This product is protected by certain intellectual property rights of Microsoft Corporation and third parties. Use or distribution of such technology outside of this product is prohibited without a license from Microsoft or an authorized Microsoft subsidiary and third parties.

- AAC (if equipped) Advanced Audio Coding (AAC) is a compressed audio format. AAC offers greater file compression than MP3 and enables music file creation and storage at the same quality as MP3.
- Bit rate Bit rate denotes the number of bits per second used by a digital music files. The size and quality of a compressed digital audio file is determined by the bit rate used when encoding the file.
- Sampling frequency The rate at which the samples of a signal are converted from analog to digital (A/D conversion) per second.
- Multisession Multisession is one of the methods for writing data to media. Writing data once to the media is called a single session, and writing more than once is called a multisession
- ID3/WMA Tag The ID3/WMA tag is the part of the encoded MP3 or WMA file that contains information about the digital music file such as song title, artist, album title. encoding bit rate, track time duration, etc. ID3 tag information is displayed on the Album/Artist/Song title line on the display.

* Windows® and Windows Media® are registered trademarks and trademarks in the United States of America and other countries of Microsoft Corporation of the USA.

Playback order:



Playback order chart
The music playback order of the CD with MP3 or WMA is as illustrated.

- The names of folders not containing MP3 or WMA files are not shown in the display.
- If there is a file in the top level of the disc, "Root Folder" is displayed.
- The playback order is the order in which the files were written by the writing software. Therefore, the files might not play in the desired order.

Specification chart (for Type A and B audio):

Supported media			CD, CD-R, CD-RW
Supported file systems			ISO9660 LEVEL1, ISO9660 LEVEL2, Romeo, Joliet ISO9660 Level 3 (packet writing) is not supported. Files saved using the Live File System component (on a Windows Vista-based computer) are not supported.
Supported versions*1	MP3	Version	MPEG1, MPEG2, MPEG2.5
		Sampling frequency	8 kHz - 48 kHz
		Bit rate	8 kbps - 320 kbps, VBR*4
	WMA*2	Version	WMA7, WMA8, WMA9 (WMA9 Pro, WMA9 Lossless, WMA9 Voice may not be supported)
		Sampling frequency	32 kHz - 48 kHz
		Bit rate	32 kbps - 192 kbps, VBR*4
Tag information (Song title and Artist name)			ID3 tag VER1.0, VER1.1, VER2.2, VER2.3, VER2.4 (MP3 only)
			WMA tag (WMA only)
Folder levels			Folder levels: 8, Folders: 255 (including root folder), Files: 512
Displayable character codes*3			01: ASCII, 02: ISO-8859-1, 03: UNICODE (UTF-16 BOM Big Endian), 04: UNICODE (UTF-16 Non-BOM Big Endian), 05: UNICODE (UTF-8), 06: UNICODE (Non-UTF-16 BOM Little Endian)

Files created with a combination of 48 kHz sampling frequency and 64 kbps bit rate cannot be played.

Protected WMA files (DRM) cannot be played.

Available codes depend on what kind of media, versions and information are going to be displayed.

When VBR files are played, the playback time may not be displayed correctly. WMA7 and WMA8 are not applied to VBR.

Specification chart (for Type C audio):

Supported media			CD, CD-R, CD-RW, USB2.0	
Supported file systems			ISO9660 LEVEL1, ISO9660 LEVEL2, Romeo, Joliet ISO9660 Level 3 (packet writing) is not supported. Files saved using the Live File System component (on a Windows Vista-based computer) are not supported.	
			USB memory: FAT16, FAT32	
	MP3	Version	MPEG1, MPEG2, MPEG2.5	
		Sampling frequency	32kHz - 44.1 kHz - 48kHz (model with Bluetooth® function) 8 kHz - 48 kHz (model without Bluetooth® function)	
		Bit rate	32 kbps - 320 kbps VBR*4	
	WMA*2	Version	WMA7, WMA8, WMA9	
Supported versions*1		Sampling frequency	32 kHz - 48 kHz	
		Bit rate	48 kbps - 320 kbps, VBR*4	
	AAC	Version	MPEG-4 AAC	
		Sampling frequency	8 kHz - 48 kHz	
		Bit rate	32 kbps - 192 kbps, VBR*4	
Tag information (Song title and Artist name)			ID tag VER1.0, VER1.1, VER2.2, VER2.3 (MP3 only) (model with Bluetooth® function) ID3 tag VER1.0, VER1.1, VER2.2, VER2.3, VER2.4 (MP3 only) (model without Bluetooth® function)	
			WMA tag (WMA only)	
CD, CD-R, CD-RW		CD, CD-R, CD-RW	Folder levels: 8, Folders: 255 (including root folder), Files: 512 (Max. 255 files for one folder)	
Folder levels		USB	Folder levels: 8, Folders 255, Files: 2500 (Max. 255 files for one folder) Memory size: 4GB	
Displayable character codes*3			01: ASCII, 02: ISO-8859-1, 03: UNICODE (UTF-16 BOM Big Endian), 04: UNICODE (UTF-16 Non-BOM Big Endian), 05: UNICODE (UTF-8), 06: UNICODE (Non-UTF-16 BOM Little Endian), 07:SHIFT-JIS	

^{*1} Files created with a combination of 48 kHz sampling frequency and 64 kbps bit rate cannot be played.

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^{*2} Protected WMA files (DRM) cannot be played.

³ Available codes depend on what kind of media, versions and information are going to be displayed.

⁴ When VBR files are played, the playback time may not be displayed correctly. WMA7 and WMA8 are not applied to VBR.

Specification chart (for Type D audio):

Supported media			CD, CD-R, CD-RW, USB2.0
Supported file systems			CD, CD-R, CD-RW: ISO9660 LEVEL1, ISO9660 LEVEL2, Romeo, Joliet * ISO9660 Level 3 (packet writing) is not supported. * Files saved using the Live File System component (on a Windows Vista-based computer) are not supported.
			USB memory: FAT16, FAT32
Supported versions*1	MP3	Version	MPEG1 Audio Layer 3
		Sampling frequency	32 kHz - 48 kHz
		Bit rate	32 kbps - 320 kbps, VBR*4
	WMA*2	Version	WMA7, WMA8, WMA9
		Sampling frequency	32 kHz - 48 kHz
		Bit rate	32 kbps - 192 kbps, VBR4, 32 kbps - 320 kbps (WMA9 only)
			ID3 tag VER1.0, VER1.1, VER2.2, VER2.3, VER2.4 (MP3 only)
Tag information (Song title and Artist name)		irtist name)	WMA tag (WMA only)
Folder levels		CD, CD-R, CD-RW	Folder levels: 8, Folders: 255, Files: 999 (Max. 255 files for one folder)
		USB	Folder levels: 8, Folders 255, Files: 2500 (Max. 255 files for one folder) Memory size: 4GB
Displayable character codes*3		•	01: ASCII, 02: ISO-8859-1, 03: UNICODE (UTF-16 BOM Big Endian), 04: UNICODE (UTF-16 Non-BOM Big Endian), 05: UNICODE (UTF-8)

Files created with a combination of 48 kHz sampling frequency and 64 kbps bit rate cannot be played.

Protected WMA files (DRM) cannot be played.

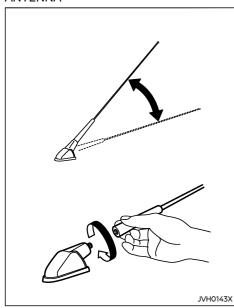
Available codes depend on what kind of media, versions and information are going to be displayed.

When VBR files are played, the playback time may not be displayed correctly.

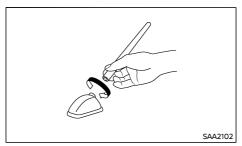
Troubleshooting guide:

Symptom	Cause and Countermeasure		
	Check if the disc was inserted correctly.		
	Check if the disc is scratched or dirty.		
	Check if there is condensation inside the player, and if there is, wait until the condensation is gone (about 1 hour) before using the player.		
	If there is a temperature increase error, the CD player will play correctly after it returns to the normal temperature.		
Cannot play	If there is a mixture of music CD files (CD-DA data), MP3/WMA files on a CD, only the music CD files (CD-DA data) will be played.		
	Files with extensions other than ".MP3", ".WMA", ".mp3" or ".wma" cannot be played. In addition, the character codes and number of characters for folder names and file names should be in compliance with the specifications.		
	Check if the disc or the file is generated in an irregular format. This may occur depending on the variation or the setting of MP3/WMA writing applications or other text editing applications.		
	Check if the finalization process, such as session close and disc close, is done for the disc.		
	Check if the disc is protected by copyright.		
Poor sound quality	Check if the disc is scratched or dirty.		
It takes a relatively long time before the music starts playing.	If there are many folder or file levels on the MP3/WMA disc, or if it is a multisession disc, some time may be requi before the music starts playing.		
Music cuts off or skips	The writing software and hardware combination might not match, or the writing speed, writing depth, writin width, etc., might not match the specifications. Try using the slowest writing speed.		
Skipping with high bit rate files	Skipping may occur with large quantities of data, such as for high bit rate data.		
Move immediately to the next song when playing.	When a non-MP3/WMA file has been given an extension of ".MP3", ".WMA", ".mp3, ".wma", or when play is prohibited by copyright protection, there will be approximately 5 seconds of no sound and then the player will skip to the next song.		
The songs do not play back in the desired order.	The playback order is the order in which the files were written by the writing software, so the files might not play the desired order.		

ANTENNA



Type A The angle of the antenna can be changed for Type A antenna.



Type B

Removing antenna

You can remove the antenna if necessary.

Hold the bottom of the antenna and remove it by turning it counterclockwise.

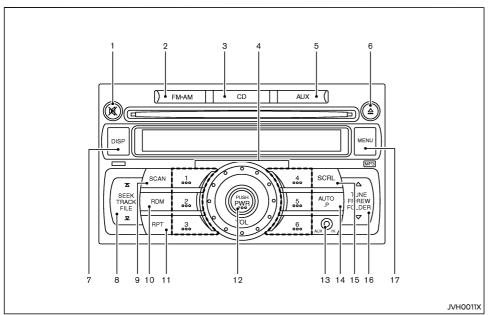
To install the antenna, turn the antenna clockwise and tighten.



CAUTION:

- Be sure to fold down (for Type A) or remove the antenna before the vehicle enters a garage with a low ceiling.
- Be sure that the antenna is removed before the vehicle enters an automatic car wash.
- Be sure that the antenna is folded down (for Type A) or removed before covering the vehicle with a cover.

FM-AM RADIO WITH COMPACT DISC (CD) PLAYER (Type A)



- 1. MUTE button
- 2. FM·AM radio band select button
- CD button
- 4. Radio memory buttons
- 5. AUX button
- 6. CD EJECT button
- 7. DISP button
- 8. SEEK/TRACK/FILE button

- 9. SCAN button
- 10. RDM (Random) button
- 11. RPT (Repeat) button
- 12. Power button/Volume control knob
- 13. AUX IN (auxiliary input) jack
- 14. AUTO.P (Automatic Preset) button
- 15. SCRL (Scroll) button
- TUNE/FF (Forward)-REW (Rewind)/FOLDER button

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17. MENU button

Audio main operation

The audio system operates when the ignition switch is in the "ACC" or "ON" position.

POWER button:

To turn on the audio system, push the Power button

- The system will turn on in the mode, which was used immediately before the system was turned off.
- If there is no CD loaded, the radio will be turned on.

To turn off the audio system, push the PWR button.

Volume control:

To control the volume, turn the VOLUME control knob.

Turn the knob clockwise to make the sound louder.

Turn the knob counterclockwise to make the sound auieter.

MENU button:

To change the audio settings, push the MENU button to select the mode while the CD or radio is on

Push the MENU button until the desired mode appears on the display.

 $\mathsf{BASS} \to \mathsf{TREBLE} \to \mathsf{FADE} \to \mathsf{BALANCE} \to \mathsf{BEEP} \to$ CLOCK → BASS

Push the SEEK/TRACK/FILE button (**▼** or ▼) or TUNE/FF REW/FOLDER button (▲ or ▼) to adjust the audio settings.

BASS : (-) to decrease / (+) to increase

TREBLE : (-) to decrease / (+) to increase

FADE : (F) to adjust fade to the front/(R)

to adjust fade to the rear

BALANCE: (R) to adjust balance to the right/

(L) to adjust balance to the left

Once the audio settings are set to the desired level, push the MENU button until the radio or CD display appears.

If no action is performed for approximately 5 seconds, the audio settings mode will automatically return to the normal mode.

Beep tones:

To turn the beep sound off or on, push the SEEK/TRACK/FILE button **▼** or TUNE/ FF-REW/FOLDER button ▲ or ▼ until the desired mode is displayed. This turns on or off the beep sound when audio buttons are pushed.

Clock display:

To display the clock on the screen, perform the following operations.

- 1. Push the MENU button repeatedly until CLOCK ON or OFF appears on the display while the audio system is on.
- 2. Push the SEEK/TRACK/FILE button

 ▼ or ▼ or TUNE/FF-REW/FOLDER button ▲ or ▼ to select CLOCK ON.

Clock adjustment:

To adjust the clock, turn the clock display on and perform the following operations.

1. Push the MENU button while CLOCK ON is on the display. The hour and minute digits blink.

- 2. To adjust the hours, push the SEEK/TRACK/ FILE button **▼** or **▼**.
- To adjust the minutes, push the TUNE/ FF·REW/FOLDER button ▲ or ▼ .

If no user input is detected for 10 seconds, or when the "MENU" button is pushed, the clock setting mode will automatically return to the normal mode.



MUTE button:

Press the k button to mute the sound. Press again to restore the sound.

AUX AUX button:

The AUX IN jack is located on the audio unit. The AUX IN audio input jack accepts any standard analog audio input such as from a portable cassette tape, CD player, MP3 player or laptop computer.

Push the AUX button to play a compatible device when it is plugged into the AUX IN jack. NISSAN strongly recommends using a stereo mini plug cable when connecting your music device to the audio system. Music may not play

properly when a monaural cable is used.



WARNING:

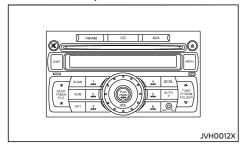
Do not allow the cable or an external device connected to the AUX terminal to affect your drivina.

NOTE:

Depending on the external device, please note that the volume may be louder or quieter than that of the external device.

- When the AUX contacts the plug of the connector cable, noise may be heard.
- The connected external device cannot be operated with the main audio system. The volume and sound quality can be adjusted.
- . The song title in the external device cannot be displayed on the audio display.
- For the power source of the external device, use the special battery. The external device cannot be charged with the AUX terminal. Noise may be heard if the CD, radio etc. is operated while charging the battery with the power socket of the vehicle.

FM-AM radio operation



The audio system operates when the ignition switch is in the "ACC" or "ON" position.

FM•AM button:

When the button is pushed while the audio system is off, the audio system will turn on and the radio will turn on.

When the button is pushed while another audio source is playing, the other audio source will turn off and the radio will turn on

To change the radio bands, push the ... button until the desired band is displayed.

 $AM \rightarrow FM1 \rightarrow FM2$

The FM stereo indicator, "ST" will display during FM stereo reception. When the stereo broadcast signal is weak, the radio will automatically change from stereo to monaural reception.



TUNE/FF-REW/FOLDER button:

When adjusting the broadcasting station frequency manually, push the ▼ button until the desired frequency is achieved.

When adjusting the broadcasting station frequency automatically, push the A or V button. When the system detects a broadcasting station, it will stop at the station.





SEEK button:

When adjusting the broadcasting station frequency automatically, push the T or T button. When the system detects a broadcasting station, it will stop at the station.

SCAN button:

When the SCAN button is pushed, the system will seek and stop at the detected broadcasting station for 5 seconds, and then it will start to seek for the next broadcasting station.

Push the scan button in this 5-second period to stop seeking.

Radio memory button:

The audio system can store up to 12 FM station frequencies (for FM1 and FM2) and 6 AM station frequencies.

To store the station frequency:

- 1. Tune to the desired broadcasting station frequency by using the button.
- 2. Push and hold a memory button (1 6) until a beep sounds.
- 3. The switch number and frequency will appear on the display when the memory is stored properly.
- 4. Perform steps 1 3 for all other memory buttons.

Push a memory button (1 - 6) to select a memory.

If the battery cable is disconnected or if the audio fuse blows, the radio memory will be erased. In such a case, reset the desired stations

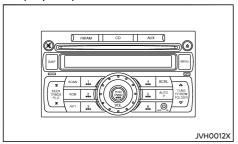
AUTO.P (Automatic Preset) button:

The audio system can store up to 6 FM station frequencies and 6 AM station frequencies.

To store the station frequency automatically, push and hold the AUTOP button until a beep sounds. The station will be automatically stored in the "AUTO.P" memory. The display indicates "AP-**"

Push the AUTOP button to select a memory.

CD player operation



The audio system operates when the ignition switch is in the "ACC" or "ON" position.

Loading:

Insert a CD into the slot with the label side facing up. The CD will be guided automatically into the slot and will start playing. To stop playing, push the Power button.



CAUTION:

Do not force the compact disc into the slot. This could damage the player.

CD button:

When the CD button is pushed while a CD is loaded, the CD will start playing automatically.

DISP button:

When the pisp button is pushed while a CD with a title is being played, the display will change as follows:

CD.



CD with MP3 or WMA:





SEEK/TRACK/FILE button:

When the **T** button (located on the left side) is pushed while a CD is being played, the present track will be advanced and move to the next track. Push the **y** button several times to skip forward tracks. The CD will advance the number of times the button is pushed. When the last track of the CD is forwarded, the first track will be played.

When the **y** button is pushed while a CD is being played, the present track will start over from the beginning of the current track. Push the vertex button several times to skip back tracks. The CD will rewind the number of times the button is pushed. When the first track of the CD is rewound, the last track will be played.



TUNE/FF-REW/FOLDER button:

When the or **V** button (located on the right side) is pushed and held while a CD is being played, the CD will be played while forwarding or rewinding. When the button is released, the CD will return to the normal play speed.

When the ▲ or ▼ button is pushed while a CD with MP3 or WMA is being played, the first track in the next or the previous folder

will be played.

SCAN button:

When the scan button is pushed while a CD is being played, the first 10 seconds of all the tracks will be played.

When the scan button is pushed again, the CD will return to normal play from the track which is playing.

RPT (Repeat) button:

To change the play settings, push the RPT button to select the mode

CD.

RPT DISC → RPT TRACK

CD with MP3 or WMA:

RPT DISC → RPT FOI DER → RPT TRACK

RPT DISC:

All the tracks of the CD will be played continuously in sequential order. The display indicates no symbol mark. While the RPT button is pushed, the display indicates "RPT DISC".

RPT TRACK

The selected track of the CD will be played continuously. While the RPT button is pushed, the display indicates "RPT TRACK".

RPT FOI DFR:

All the tracks of selected folder will be played continuously in sequential order (CD with MP3 or WMA only). While the RPT button is pushed, the display indicates "RPT FOLDER".

RDM (Random) button:

To change the play sequence, push the RDM button to select the mode.

CD.

RDM DISC → RPT DISC

CD with MP3 or WMA:

 $RDM DISC \rightarrow RDM FOLDER \rightarrow RPT DISC$

RPT DISC:

All the tracks of the CD will be played continuously in sequential order. The display indicates no symbol mark. While the RDM button is pushed, the display indicates "RPT DISC".

RDM DISC:

All the tracks or folders (CD with MP3 or WMA only) of the CD will be played continuously in random order. While the RDM button is pushed, the display indicates "RDM DISC".

RDM FOLDER:

All the tracks of the selected folder will be played continuously in random order (CD with MP3 or WMA only). While the RDM button is pushed, the display indicates "RDM FOI DFR"

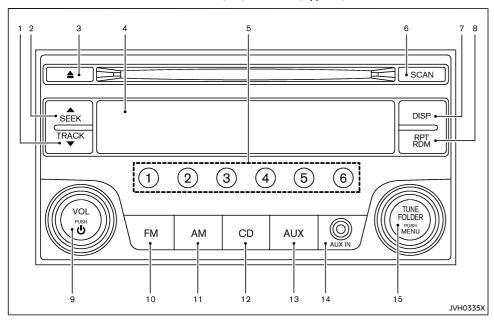
SCRL (Scroll) button:

When the title is displayed but it is a long one, the whole title is not shown in the display. In this case, push the button to scroll the title. When the title is scrolled to the end of it, the display will stop moving and return to the first condition.

CD EJECT button:

To eject a CD, push the CD EJECT <u>A</u> button. If a CD is ejected by pushing the \triangle button, and it is not taken out from the loading slot, the CD will automatically be reloaded to the slot to protect the CD.

FM-AM RADIO WITH COMPACT DISC (CD) PLAYER (Type B)



- SEEK/TRACK/Rewind button
- 2. SEEK/TRACK/Fast Forward button
- 3. CD EJECT button
- 4. Display
- Radio memory buttons 5.
- SCAN button
- DISP (Display) button
- RPT (Repeat)-RDM (Random) button 8.

- Power button/Volume control knob
- 10. FM button
- AM button
- 12. CD button
- 13. AUX (Auxiliary) button
- AUX (Auxiliary) IN jack
- TUNE-FOLDER/MENU button

Audio main operation

The audio system operates when the ignition switch is in the "ACC" or "ON" position.

POWER ON/OFF:

To turn on the audio system, push the VOL/ Power button

- The system will turn on in the mode (radio or CD) which was used immediately before the system was turned off.
- If no CD is loaded, the radio will be turned

To turn on and off the audio system, push the VOL/Power button.

Volume control:

To control the volume, turn the VOL/Power button.

Turn the VOL/Power button clockwise to increase the volume.

Turn the VOI /Power button counterclockwise to decrease the volume.

Adjusting sound preference:

- 1. To adjust the sound settings, push the TUNE-FOLDER/MENU button until the item (Bass, Treble, Balance, Fade, Spd Sen Vol. (speed sensitive volume) or AUX IN Volume) to be adjusted is displayed.
- 2. Turn the TUNE-FOLDER/MENU button to adjust the settings.

When no action is taken for 5 seconds, the display will automatically return to the original mode

Clock setting:

Turning the clock ON/OFF:

- Push the TUNE-FOLDER/MENU button until "Clock: ON" or "Clock: OFF" is displayed.
- 2. Turn the TUNE-FOLDER/MENU button to toggle between "Clock: ON" and "Clock: OFF".

Adjusting the clock:

- 1. Turn on the clock.
- Push the TUNE-FOLDER/MENU button until "Adjust Clock: No" is displayed.
- 3. Turn the TUNE-FOLDER/MENU button until "Adjust Clock: Yes" is displayed.
- 4. Push the TUNE-FOLDER/MENU button, Adiust the hour digits by turning the TUNE-FOLDER/MENU button while the digits are flashing and "Change Hour" is displayed.
- 5. Push the TUNE-FOLDER/MENU button, Adjust the minutes by turning the TUNE-FOLDER/MENU button while the digits are flashing and "Change Minute" is displayed.

When no action is taken for 5 seconds, the display will automatically return to the original mode.

AUX AUX button:

The AUX IN lack is located on the audio unit. The AUX IN audio input lack accepts any standard analog audio input such as from a portable cassette tape player, CD player, digital audio player or laptop computer.

Push the Aux button to play a compatible device when it is plugged into the AUX IN jack.

NISSAN strongly recommends using a stereo mini plug cable when connecting your music device to the audio system. Music may not play properly when a monaural cable is used.

Radio operation

The audio system operates when the ignition switch is in the "ACC" or "ON" position.

FΜ FM/AM buttons:

When the FM AM button is pushed while the audio system is off, the audio system will turn on and the radio will turn on

When the FM AM button is pushed while another audio source is playing, the other audio source will turn off and the radio will turn on

To change the radio bands (FM1, FM2, or AM), push the **FM AM** buttons.

TUNE-FOLDER/MENU button:

When adjusting the broadcasting station frequency manually, turn the TUNE-FOLDER/MENU button until the preferred frequency is achieved



SEEK/TRACK buttons:

To adjust the broadcasting station frequency automatically, push and release the ▼ or ▲ button. When the system detects a broadcasting station, it will stop at the station.

Detected stations are skipped while the ▼ or ▲ button is pushed and held.

SCAN button:

When the SCAN button is pushed, the system will seek and stop at the detected broadcasting station for 5 seconds, and then it will start to seek for the next broadcasting station.

Push the SCAN button in this 5-second period to

stop seeking.

① ② ③ ④ ⑤ 6 Radio memory buttons:

The audio system can store up to 12 FM station frequencies (for FM1 and FM2) and 6 AM station frequencies.

During radio reception, pushing the radio memory button for less than 1.5 seconds will play the stored radio station.

To store the station frequency manually:

- 1. Tune to the desired broadcasting station frequency using the \blacktriangledown \blacktriangle buttons.
- 2. Push and hold one of the radio memory buttons (1) - (6) until a beep sounds.
- 3. The frequency of the selected station will appear on the display when the memory is stored properly.
- 4. Perform steps 1 3 for all other memory buttons.

CD player operation

Loading:

Insert a CD into the slot with the label side facing up. The CD will be guided automatically into the slot and will start playing. After the disc is loaded, track information will appear on the display.



CAUTION:

Do not force the CD into the slot. This could damage the player.

CD | CD button:

When the CD button is pushed while a CD is loaded, the CD will start playing.

DISP button:

When the DISP button is pushed while a CD with title information is playing, the information text on the display will change as follows:

CD.

Track time → Album Title → Artist Name → Song Title → Track time

CD with MP3/WMA:

Track time → Folder Title → Album Title → Artist Name → Song Title → Track time

▲ SEEK/TRACK (Rewind/Fast Forward) buttons:

Fast forward/Rewind:

Push and hold the ▼ or ▲ button for more than 1.5 seconds to rewind or fast forward through the track. Release the button to play the CD at normal speed.

Track up/down:

To play the next track, push the Fast Forward button for less than 1.5 seconds while a CD is playing.

To play the previous track, push the Rewind button for less than 1.5 seconds within 2 seconds after the current track started playing. To return to the beginning of the current track, push the Rewind button for less than 1.5 seconds after 2 seconds from when the current track started playing.

TUNE-FOLDER/MENU button (CD with MP3/ WMA):

To skip to the next folder, turn the TUNE-FOI DER/MENU button

To skip to the next or previous track within the folder, push the **V b** button.

RDM RPT-RDM button:

When the RPT button is pushed while a CD is playing, the play mode will change as follows:

DISC REPEAT -> TRACK REPEAT -> DISC RAN-DOM → DISC REPEAT

CD with MP3/WMA:

DISC REPEAT → FOLDER REPEAT → TRACK REPEAT → DISC RANDOM → FOLDER RANDOM → DISC REPEAT

DISC REPEAT:

All the tracks on the selected CD will play repeatedly in sequential order.

FOLDER REPEAT (CD with MP3 or WMA only):

All the tracks in the selected folder will play repeatedly in sequential order.

TRACK REPEAT:

The selected track will play repeatedly.

DISC RANDOM:

All the tracks on the selected CD will play in random order

FOLDER RANDOM (CD with MP3 or WMA only):

All the tracks in the selected folder will play repeatedly in random order.

SCAN SCAN button:

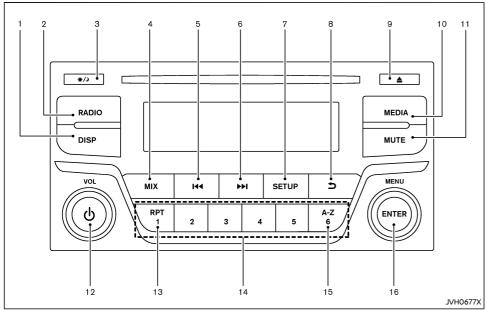
When the scan button is pushed while a CD is being played, the first 10 seconds of all the tracks will be played.

When the SCAN button is pushed again, the CD will return to the regular play mode.

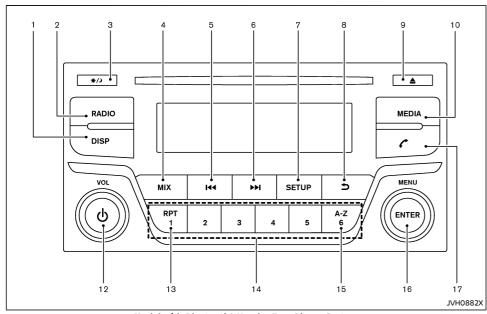
CD EJECT button:

The CD in the unit will be ejected when the button is pushed. If the CD is not removed and left ejected in the unit for 20 seconds, it will be reloaded into the slot for protection.

FM-AM RADIO WITH COMPACT DISC (CD) PLAYER (Type C)



Model without Bluetooth® Hands- Free Phone System



Model with Bluetooth® Hands- Free Phone System

- 1 DISP (Display) button
- 2 RADIO button
- Day/Night button
- MIX button
- SEEK button/Rewind button
- SEEK button/Fast forward button 6.
- 7. SETUP button
- 8. Back button
- CD eject button

- 10 MFDIA button
- MUTF button
- Power button /Volume control knob
- RPT (repeat) button
- Radio memory buttons
- 15. A-Z button
- ENTER button/MENU knob
- Phone button

Audio main operation

The audio system operates when the ignition switch is in the "ACC" or "ON" position.



Power button/Volume control knob:

Power ON/OFF:

To turn on the audio system, push the Power button.

- The system will turn on in the mode that was used immediately before the system was turned off.
- If the system was turned on with the CD ejected and the devices disconnected, the radio will turn on.

To turn off the audio system, push the Power button.

Volume control:

To control the volume, turn the Volume control knob.

Turn the knob clockwise to make the sound louder.

Turn the knob counterclockwise to make the sound auieter.

SETUP button:

To configure Audio, Clock, Radio or Language, perform the following procedure.

- 1. Push the SETUP button.
- 2. Turn the MENU knob clockwise or counterclockwise, the display will appear in the following order.

Audio → Clock → Radio → Language → Audio

3 Push the ENTER button to select the item

Audio adjustments:

Push the SETUP button and then select "Audio".

Turn the MENU knob, and the mode will change as follows.

Sound \rightarrow AUX In \rightarrow Speed Vol.

Push the ENTER button to select the setting you want to change. Turn the MENU knob to adjust the selected item.

Sound:

Adjust Bass, Treble, Balance and Fade. Turn the MENU knob and then push the ENTER button to select the setting item. Turn the MENU knob to adjust the setting.

- Bass:
 - Enhances or attenuates the bass response sound.
- Treble:
 - Enhances or attenuates the treble.
- Bal. (Balance):
 - Adjusts the balance of the volume between the left and right speakers.
- Fade:
 - Adjusts the balance of the volume between the front and rear (if equipped) speakers.

AUX In:

Adjusts the volume output from the auxiliary source.

Speed Vol. (Speed Volume):

Set the audio system to automatically adjust the volume level in relation to vehicle speed.

This mode controls the volume output from the speakers automatically in relation to vehicle speed. When "Speed Vol" is displayed, turn the MENU knob clockwise or anticlockwise to adjust the volume level.

Adjusting the setting to 0 (zero) turns off the speed volume feature. Increasing the speed volume setting results in the audio volume increasing more rapidly with vehicle speed. Once chosen, push ENTER button to save the setting.

Clock setting:

Push the serup button to enter the setup menu screen and then select "Clock".

Turn the MENU knob, and the mode will change as follows.

Set Time → ON/OFF → Format

Set Time:

Select "Set Time" and then adjust the clock as follows

The hour display will start flashing. Turn the MENU knob to adjust the hour and push the ENTER button. The minute display will start flashing. Turn the MENU knob to adjust the minute and push the ENTER button to finish the clock adjustment.

ON/OFF:

Set the clock display between on or off when the audio unit is turned off. If set in the "ON", the clock will be displayed when the audio unit is turned off by pushing the Power button.

Format:

Switch the clock display between 24-hour mode and 12-hour clock mode.

Radio setting:

Push the setup button to enter the setup menu screen and then select "Radio".

This function is used to select the FM frequency band.

Language setting:

Push the SETUP button to enter the setup menu screen and then select "Language".

Select the appropriate language and push the ENTER button. Upon completion, the screen will automatically adapt the language setting.

Day/Night button:

Day/Night button:

Push the *\(\psi\) button to switch the display brightness between the daytime and nighttime modes.

MUTE button (if equipped):

Push the MUTE button to mute the audio system. Push the button again to unmute.

Phone button (if equipped):

For operation on how to use
Bluetooth Hands-Free Phone System (if equipped for type C audio)" (P.4-53).

MEDIA button:

Push the MEDIA button to play a compatible device when it is connected.

Each time the MEDIA button is pushed, the audio source will change as follows.

 $CD \rightarrow AUX \rightarrow USB/iPod \rightarrow Bluetooth audio (if equipped)$

A source that is not available will be skipped.

Radio operation

The audio system operates when the ignition switch is in the "ACC" or "ON" position.

RADIO button:

When the RADIO button is pushed while another audio source is playing, the other audio source will turn off and the radio will turn on

To change the radio bands, push the RADIO button until the desired band appears.

 $FM 1 \rightarrow FM 2 \rightarrow AM \rightarrow FM 1$

During FM reception, push and hold the RADIO button to update FM list.

Turn the MENU knob to select a station from the FM list

When adjusting the broadcasting station freguency manually, push the ▶ or 🖼 button until the desired frequency is achieved.

When adjusting the broadcasting station freguency automatically, push and hold the or 🖼 button. When the system detects a broadcasting station, it will stop at the station.

to 6 Radio memory buttons:

During radio reception, pushing the radio memory button will select the stored radio station.

The audio system can store up to 12 FM station frequencies (6 in each of FM 1, FM 2) and 6 AM station frequencies.

To store the station frequency manually:

1. Tune to the desired broadcasting station frequency by using the by details.

- 2. Push and hold a radio memory button 1 to 6 until a beep sounds. (The radio mutes when the memory button is pushed.)
- 3. The channel indicator will display and the radio mute disengages, indicating that the memory is stored properly.
- 4. Perform steps 1 3 for all other memory buttons.

If the battery cable is disconnected, or if the audio fuse blows, the radio memory will be erased. In such a case, reset the desired stations

CD player operation

The audio system operates when the ignition switch is in the "ACC" or "ON" position.

Loading:

Insert a CD into the slot with the label side facing up. The CD will be guided automatically into the slot and will start playing. After loading the CD, the number of tracks and the play time will appear on the display.

CAUTION:

Do not force the CD into the slot. This could damage the player.

NOTE:

- The CD player accepts normal audio CDs or CDs containing MP3/WMA files.
- The audio unit will automatically detect if a CD containing MP3/WMA files is inserted, and "MP3CD" will be indicated.
- An error notification message will be displayed when inserting an incompatible disc type (e.g., DVD), or if the player cannot read the CD. Eject the disc and

insert another disc.

MEDIA MEDIA button:

To change to the CD mode, push the MEDIA button with a CD inserted until the CD mode is selected.

List view:

While the track is being played, push the ENTER button to display the available tracks in a listed view mode. To select a track from the list, or a track to start listening to, turn the MENU knob and then push the ENTER button.

Ouick search:

In the list view mode, a quick search can be performed to find a track from the list. Push the A-Z button, turn the MENU knob to the first alphabetic letter of the song title, and then push the ENTER button. When found, a list of the available songs will be displayed. Select, and push the ENTER button to play the preferred track.

|◀◀ | Fast forward/Rewind buttons:

Push and hold the ►► or ► button to fast forward or rewind through the track. When the button is released, the track will play at normal playing speed.

Track up/down:

By pushing the $\blacktriangleright \blacktriangleright \mid$ or $\lnot \blacktriangleleft \mid$ button once, the track will skip forward to the next track or backward to the beginning of the current track. Push the private or button more than once to skip through the tracks.

Folder browsing:

If the recorded media contains folders with music files, pushing the ▶ or 🖼 button will play the tracks of each folder in sequence.

To select a preferred folder:

- 1. Push the ENTER button or the button and a list of tracks in the current folder is displayed.
- 2. Push the **5** button.
- 3. Turn the MENU knob for the preferred folder.
- 4. Push the ENTER button to access the folder. Push the ENTER button again to start playing the first track or turn the MENU knob, and push the ENTER button to select another track

If the current selected folder contains subfolders, push the ENTER button, and a new screen with a list of sub folders will be displayed. Turn the MENU knob for the sub folder and then push the ENTER button to select. Select the root folder item when songs are recorded additionally in the root folder.

RPT RPT button:

Push the RPT button and the current track will be played continuously.

MIX MIX button:

Push the MIX button and all the tracks will be played in a random order.

DISP button:

While a CD with title information is being played, the title of the played track is displayed.

When the DISP button is pushed repeatedly while a CD with MP3/WMA/AAC is playing. further information about the track can be displayed along with the track title as follows.

Track time → Artist → Album → Track time

Track details:

Pushing and holding the DISP button will turn the display into a detailed overview. Push the **5** button to return to the display for the main display mode.

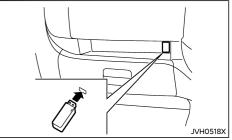
CD Eject button:

When the **button** is pushed while a CD is loaded, the CD will be ejected.

When the ignition switch is in the "OFF" or "LOCK" position it is possible to eject the CD currently being played. However the audio unit will not be activated.

If a CD is ejected by pushing the _ button, and it is not taken out from the loading slot within 20 seconds, the CD will automatically be reloaded to the slot in order to protect the CD. USB (Universal Serial Bus) Connection Port

USB main operation:



Right-Hand Drive (RHD) model*

*: The illustration is for the Right-Hand Drive (RHD) model. For the Left-Hand Drive (LHD) model, the layout will be the opposite.



WARNING:

Do not connect, disconnect or operate the USB device while driving. Doing so can be a distraction. If distracted you could lose control of your vehicle and cause an accident or serious iniurv.



CAUTION:

- Do not force the USB device into the USB connection port. Inserting the USB device tilted or upside- down into the port may damage the port. Make sure that the USB device is connected correctly into the USB connection port.
- Do not grab the USB connection port cover (if equipped) when pulling the USB device out of the port. This could damage

the port and the cover.

Do not leave the USB cable in a place where it can be pulled unintentionally. Pulling the cable may damage the port.

Refer to vour device manufacturer's owner information regarding the proper use and care of the device

The USB connection port is located above the glove box. Open the lid and connect a USB memory device into the port. When the audio system operates, the system will switch to the USB memory device mode automatically.

If the system has been turned off while the USB memory device was playing, pushing the Power button will start the USB memory device.

The following operations are identical to the audio main operation of the Compact Disc (CD) operation. For details, see "CD player operation" (P.4-33).

- List view
- Ouick search
- **>>** | |44
- MIX (Random play)
- RPT (Repeat track)
- Folder browsing

MEDIA MEDIA button:

To change to the USB mode, push the MEDIA button with a USB connected until the USB mode is selected.

DISP button:

While a track with recorded music information tags (ID3-tags) is being played, the title of the played track is displayed. If the tags are not provided then a notification message is displayed.

When the DISP button is pushed continuously, further information about the track can be displayed along with the track title as follows.

Track time → Artist → Album → Track time

Track details:

Pushing and holding the DISP button will turn the display into a detailed overview. Push the **b**utton to return to the display for the main display mode.

iPod player operation

Connecting iPod:

The USB connection port is located above the glove box. See "USB (Universal Serial Bus) Connection Port" (P.4-34).

When the iPod is connected to the vehicle, the iPod music library can only be operated by the vehicle audio controls

Compatibility:

The system unit shall be compatible with all devices (past and future) supporting Apple Accessory Protocol on USB link.

It includes (and not limited to):

- iPod mini (1st to current generation)
- iPod shuffle (1st to current generation)
- iPod nano (1st to current generation)
- iPod touch (1st to current generation)
- iPod classic (1st to current generation)

- iPhone (1st to current generation)
- iPad (1st to current generation)

NOTE:

This audio system does not support iPad charging.

MEDIA button:

To operate the iPod, push the MEDIA button repeatedly until the USB/iPod mode is selected and then push the ENTER button.

iPod main operation:

Interface:

The interface for iPod operation shown on the audio system display is similar to the iPod interface. Use the ENTER button/MENU knob to play a track on the iPod.

The following items can be chosen from the menu list screen

- Playlists
- Artist
- Albums
- Sonas

For further information about each item, see the iPod owner's manual

The following operations are identical to the audio main operation of the Compact Disc (CD) operation. For details, see "CD player operation" (P.4-33).

- List view
- Ouick search
- **>>** | |44
- MIX (Random play)
- RPT (Repeat track)

Folder browsing

DISP DISP button:

While a track with recorded music information tags (ID3-tags) is being played, the title of the played track is displayed.

When the DISP button is pushed repeatedly, further information about the track can be displayed along with the track title as follows:

Track time → Artist → Album → Track time Track details:

Pushing and holding the DISP button will turn the display into a detailed overview. To return to the main display, push the **b**utton.

Bluetooth® audio player operation (if equipped)

Regulatory information:

Bluetooth® trademark



Bluetooth® is a trademark owned by Bluetooth SIG. Inc. and licensed to Visteon Corporation.

CE statement

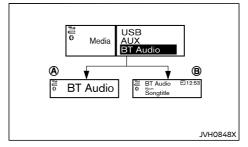
Hereby Visteon Corp. declares that this system is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.



NOTE:

The audio system only supports Bluetooth® devices with AVRCP (Audio Video Remote Control Profile) version 1.3. or 1.0 or earlier.

Bluetooth® audio player main operation:



To play Bluetooth® audio, the Bluetooth® audio device needs to be paired to the in-vehicle system. For the pairing operation, see "Pairing device" (P.4-54).

MEDIA MEDIA button:

To operate the Bluetooth® audio streaming, push the MEDIA button repeatedly until "BT Audio" is shown

The type of display, (A) or (B), shown on the audio system can vary depending on the Bluetooth® version of the device



When ▶ or I◀ button is pushed continuously, the track will be played at high speed. When the button is released, the track will be played at normal playing speed.

Track up/down:

By pushing the ▶▶ or ◄ button once, the track will skip forward to the next track or backward to the beginning of the current track. Push the ▶ or ◄ button more than once to skip through the tracks.

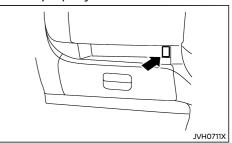
DISP button:

If the song contains music information tags (ID3- tags), the title of the played song will be displayed. If tags are not provided then the display will not show any messages.

When the DISP button is pushed repeatedly further information about the song can be displayed along with the song title.

A long push on pisp button will turn the display into a detailed overview which after a few seconds returns to the main display; or push DISP button briefly.

Auxiliary input iack



Right-Hand Drive (RHD) model*

*: The illustration is for the Right-Hand Drive (RHD) model. For the Left-Hand Drive (LHD) model, the layout will be the opposite.

The AUX input jack is located above the glove box. The AUX input jack accepts any standard analog audio input such as from a portable cassette tape/CD player, MP3 player or laptop computer.

Push the MEDIA button repeatedly until the AUX mode is selected, to play a compatible device when it is plugged into the AUX input jack.

NISSAN strongly recommends using a stereo mini plug cable when connecting your music device to the audio system. Music may not play properly when a monaural cable is used.



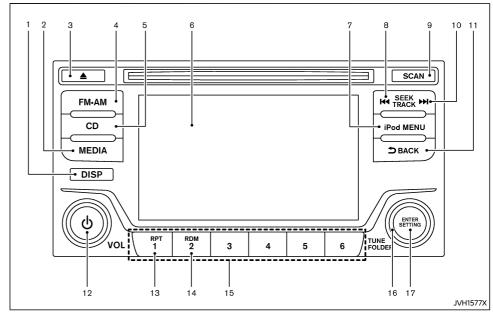
WARNING:

Do not allow the cable or an external device connected to the AUX terminal to affect your drivina.

NOTE:

- Depending on the external device, please note that the volume may be louder or quieter than that of the external device.
- . When the AUX contacts the plug of the connector cable, noise may be heard.
- The connected external device cannot be operated with the main audio system. The volume and sound quality can be adiusted.
- The song title in the external device cannot be displayed on the audio display.
- For the power source of the external device, use the special battery. The external device cannot be charged with the AUX terminal. Noise may be heard if the CD, radio etc. is operated while charging the battery with the power socket of the vehicle.

FM-AM RADIO WITH COMPACT DISC (CD) PLAYER (Type D)



- DISP (display) button
- 2. MEDIA button
- CD eject button
- FM:AM button
- CD button
- Color display
- iPod MENU button
- SEEK TRACK (rewind) button

- SCAN button
- 10. SEEK TRACK (forward) button
- BACK button
- Power button/Volume control knob
- RPT (repeat) button
- RDM (random) button
- Radio memory buttons
- TUNE FOLDER knob

17. ENTER/SETTING button

Audio main operation

Head unit:

The auto loudness circuit enhances the low and high frequency ranges automatically in both radio reception and CD playback.

Power button/Volume control knob:

Push the Power button to turn the audio system on and off while the ignition switch is placed in the "ON" or "ACC" position.

Turn the Volume control knob to adjust the volume.

Audio settings:

The settings screen will appear when the ENTER/SETTING button is pushed.

The following items are available in the settings screen.

- Bluetooth (if equipped) It is possible to set the Bluetooth® settings.
- Bass. Treble. Balance and Fade Controls the sound of the audio system. Balance adjusts the sound between the left and right speakers. Fade adjusts the sound between the front and rear speakers.

Select the "Bass", "Treble", "Balance" or "Fade" using the TUNE FOLDER knob, and then push the ENTER/SETTING button. Turn the TUNE FOLDER knob to adjust the Bass, Treble, balance and Fade of the screen to the preferred level.

Speed Sensitive Vol.

To change the Speed Sensitive Volume (Speed Sensitive Vol.) level from off (0) to 5. turn the TUNE FOLDER knob.

AUX Vol

Controls the volume level of incoming sound when an auxiliary device is connected to the system. Choose a setting between 1 and 3 or choose 0 to disable the feature entirely.

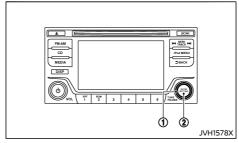
Brightness and Contrast

Adjust the brightness and contrast of the screen.

Select "brightness" or "contrast" using the TUNE FOLDER knob and then push the ENTER/SETTING button. Turn the TUNE FOLDER knob to adjust the brightness and contrast of the screen to the preferred level

Clock Adjust

Adjust the clock according to the following procedure.



- 1) Select "Clock Adjust" using the TUNE FOLDER knob (1) and then push the ENTER/SETTING button (2).
- 2) Adjust the hour with the TUNE FOLDER knob (1) and then push the ENTER/ SETTING button (2).
- 3) Adjust the minute with the TUNE FOLDER knob (1) and then push the ENTER/SETTING button (2).

24 hour clock is not available

On-Screen Clock

When this item is turned on, a clock is always displayed in the upper right corner of the screen.

Select the "On-Screen Clock" using the TUNE FOLDER knob and then push the ENTER/SETTING button. You can toggle between ON and OFF using the TUNE FOLDER knob.

RDS Display

RDS (radio data system) information can be shown on the display. Select "RDS Display" using the TUNE FOLDER knob and then push the ENTER/SETTING button. You can togale between ON and OFF using the TUNE FOLDER knob

Language Select

The language settings can be changed. Select "Language Select" using the TUNE FOLDER knob and then push the ENTER/ SETTING button. Use the TUNE FOLDER knob to select the preferred language.

DISP button:

Display of the screen can be canceled by pushing the DISP button. You can still listen to music that is being played back even while the screen display is turned off. If you want to display the screen again, either push the DISP button once more or push the MAM, CD, MEDIA or iPod MENU button.

MEDIA button:

Pushing the MEDIA button will switch the displays as follows:

USB/iPod→ Bluetooth (if equipped)→ AUX→ USB/iPod

Radio operation

FM·AM FM·AM button:

Push the [FM-AM] button to change the band as follows:

 $AM \rightarrow FM1 \rightarrow FM2 \rightarrow AM$

TUNE (Tuning):

Turn the radio TUNE FOLDER knob for manual tuning.

Radio Data System (RDS):

RDS stands for Radio Data System, and is a data information service transmitted by some radio stations on the FM band (not AM band) encoded within a regular radio broadcast. Currently, most RDS stations are in large cities, but many stations are now considering broadcasting RDS data.

RDS can display:

- Station name, such as "The Groove".
- Music or programming type such as "Classical", "Country" or "Rock".

I◀◀ SEEK TRACK buttons:

Push the ▶▶ or 🖼 button to tune from low to high or high to low frequencies and to stop at the next broadcasting station.

SCAN SCAN buttons:

Push the scan button to tune from low to high frequencies and stop at each broadcasting station for 5 seconds. Pushing the button again during this 5 seconds period will stop SCAN tuning and the radio will remain tuned to that station.

If the scan button is not pushed within 5

seconds. SCAN tuning moves to the next station

Radio memory buttons: to

Up to 12 stations can be set for the FM band (6 each for FM1 and FM2) and 6 stations can be set for the AM band.

- 1. Choose the radio band using the MAM button
- 2. Tune to the desired station using the ▶▶ Idd button or the TUNE FOLDER knob.
- 3. Push and hold the desired station preset button 1 to 6 until a beep sounds.
- 4. The station indicator will then come on and the sound will resume. The station is now set to the button memory.
- 5 Other buttons can be set in the same manner

If the battery cable is disconnected, or if the fuse opens, the station memory will be erased. In that case, reset the desired stations.

CD player operation

Place the ignition switch in the "ON" or "ACC" position, and insert the compact disc (CD) into the slot with the label side facing up. The CD will be guided automatically into the slot and start plaving.

After loading the CD, the number of tracks on the CD and the play time will appear on the display.

If the radio is already operating, it will automatically turn off and the CD will play.

If the system was turned off while the CD was playing, pushing the Power button will start the CD

CD button:

When the CD button is pushed with the system off and the CD loaded, the system will turn on and the CD will start to play.

When the CD button is pushed with the CD loaded and the radio playing, the radio will automatically be turned off and the CD will start to play.

I◀◀ SEEK TRACK (rewind/forward) buttons:

When the ▶ or ◄ button is pushed and held while the CD is being played, the CD will play while fast forwarding or rewinding. When the button is released the CD will return to normal play speed.

When the ▶ or ◄ button is pushed for less than 1.5 seconds while the CD is being played, the next track or the beginning of the current track on the CD will be played.

RPT RPT (REPEAT) button:

When the RPT button is pushed while the CD is played, the play pattern can be changed as follows:

(CD)

(Normal) ⇔ 1 Track Repeat

(CD with compressed audio files)

(Normal) → 1 Folder Repeat → 1 Track Repeat → (Normal)

RDM RDM (RANDOM) button:

When the RDM button is pushed while a CD is being played, the play pattern can be changed as follows:

(CD)

(Normal) ⇔ 1 Disc Random

(CD with compressed audio files)

(Normal) → 1 Disc Random → 1 Folder Random → (Normal)



CD eiect button:

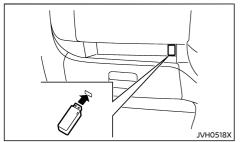
When the **button** is pushed with the CD loaded, the CD will be ejected.

When this button is pushed while the CD is being played, the CD will be ejected.

If the CD comes out and is not removed, it will be pulled back into the slot to protect it.

USB (Universal Serial Bus) Connection Port

USB main operation:



Right-Hand Drive (RHD) model* *: The illustration is for the Right-Hand Drive (RHD) model. For the Left-Hand Drive (LHD)

model, the layout will be the opposite.



WARNING:

Do not connect, disconnect or operate the USB device while driving. Doing so can be a distraction. If distracted you could lose control of your vehicle and cause an accident or serious iniury.



CAUTION:

- Do not force the USB device into the USB connection port. Inserting a USB device tilted or upside-down into the port may damage the port. Make sure that the USB device is connected correctly to the USB connection port.
- Do not grab the USB connection port cover (if equipped) when pulling a USB device out of the port. This could damage the port and the cover.
- Do not leave a USB cable in a place where it can be pulled unintentionally. Pulling the cable may damage the port.

Refer to your device manufacturer's owner information regarding the proper use and care of the device

The USB connection port is located above the glove box. Open the lid and connect a USB memory device into the port. When the audio system operates, the system will switch to the USB memory device mode automatically.

If the system has been turned off while the USB memory device was playing, pushing the ENTER/SETTING button will start the USB memory device.

The following operations are identical to the audio main operation of the Compact Disc (CD) operation. For details, see "CD player operation" (P.4-39).

- **>>** | |44
- RDM (Random play)
- RPT (Repeat track)

MEDIA button:

To change to the USB mode, push the MEDIA button with a USB connected until the USB mode is selected

DISP button:

While a track with recorded music information tags (ID3-tags) is being played, the title of the played track is displayed. If the tags are not provided then a notification message is displayed.

When the pisp button is pushed continuously, further information about the track can be displayed along with the track title as follows.

Track time → Artist → Album → Track time

Track details:

Pushing and holding the DISP button will turn the display into a detailed overview. Push the BACK button to return to the display for the main display mode.

iPod player operation

Connecting iPod:

The USB connection port is located above the glove box. Connect the iPod with a USB connection port using a cable. See "USB (Universal Serial Bus) Connection Port" (P.4-40). The battery of the iPod is charged while the cable is connected to the vehicle

Depending on the version of the iPod, the display on the iPod shows a NISSAN or Accessory Attached screen when the connection is completed. When the iPod is connected to the vehicle, the iPod music library can only be operated by the vehicle audio controls.

Refer to your device manufacturer's owner information regarding the proper use and care of the device.

Compatibility:

The following models are compatible:

- iPod nano 1G (Firmware version 1.3.1 -)
- iPod nano 2G (Firmware version 1.1.3 -)
- iPod nano 3G (Firmware version 1.0.0 -)
- iPod nano 4G (Firmware version 1.0.2 -)
- iPod nano 5G (Firmware version 1.0.1 -)
- iPod nano 6G (Firmware version 1.0 -)
- iPod nano 7G (Firmware version 1.0.0 -)
- iPod 5G (Firmware version 1.2.1 -)
- iPod classic (Firmware version 1.0.0 -)
- iPod Touch (iOS 1.1 -)
- iPod Touch 2G (iOS 2.1.1 -)
- iPod Touch 3G (iOS 3.1 -)
- iPod Touch 4G (iOS 4.1 -)
- iPod Touch 5G (iOS 6.0.0 -)
- iPhone (iOS 1.0.0 2.2.1)

- iPhone 3G (iOS 2.1 -)
- iPhone 3GS (iOS 3.0 -)
- iPhone 4/4S (iOS 4.0 -)
- iPhone 5 (iOS 6.0.0 -)

Operations attributable to firmware update by Apple are not guaranteed.

iPod main operation:

The system operates when the ignition switch is in the "ON" or "ACC" position. Push the MEDIA button repeatedly or push the MENU button to switch to the iPod mode

If the system was turned off while the iPod was playing, pushing the Power button will start the iPod.

If another audio source is playing and the iPod is connected, pushing the HOD button or the MEDIA button repeatedly will change the system to the iPod mode

When the Fod is pushed while the iPod is connected, the interface for iPod operation is shown on the audio display. The items on the menu list can be scrolled by turning the TUNE FOLDER knob while the iPod is operating. To select an item, push the ENTER/SETTING button. Items in the iPod menu appear on the display in the following order.

- Now playing
- **Playlists**
- Artists
- Albums
- Songs
- **Podcasts**
- Genres
- Composers
- Audiobooks

Shuffle Songs

For more information about each item, see the iPod Owner's Manual

I◀◀ SEEK TRACK (rewind/forward) buttons:

When the ▶ or ◄ button is pushed for more than 1.5 seconds while the iPod is playing, the iPod will play while fast forwarding or rewinding. When the button is released, the iPod will return to the normal play speed.

When the ▶ or ◄ button is pushed for less than 1.5 seconds while the iPod is playing, the next track or the beginning of the current track on the iPod will be played.

RPT RPT (REPEAT) button:

When the RPT button is pushed while a track is being played, the play pattern can be changed as follows:

Repeat Off → 1 Track Repeat → All Repeat → Repeat Off

RDM RDM (RANDOM) button:

When the RDM button is pushed while a track is being played, the play pattern can be changed as follows:

Shuffle Off → Track Shuffle → Shuffle Off

BACK button:

The display will return to the previous screen.

Bluetooth® audio player operation (if equipped)

If you have a compatible Bluetooth® audio device that is capable of playing audio files, the device can be connected to the vehicle's audio system so that the audio files on the device play through the vehicle's speakers.

Regulatory information:

Bluetooth® trademark:

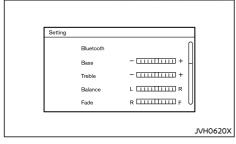


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Connecting Bluetooth® device:

To connect your Bluetooth® device to the vehicle, follow the procedure below:

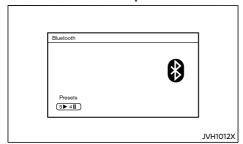
Push the ENTER/SETTING button.



- 2 Select "Bluetooth"
- 3. Select "Add Phone or Device" . This same screen can be accessed to remove, replace or select a different Bluetooth® device.
- 4. The system acknowledges the command and asks you to initiate a connection from the Bluetooth® device. The procedure for

connecting a Bluetooth® device varies according to the cellular phone model. See the Owner's manual of the Bluetooth® device for details

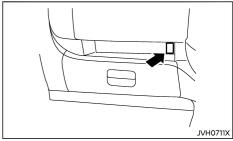
Bluetooth® audio main operation:



To switch to the Bluetooth® audio mode, push the MEDIA button repeatedly until the Bluetooth® audio mode is displayed on the screen.

The controls for the Bluetooth® audio are displayed on the screen. Use the Preset 3 button to play and use the Preset 4 button to pause.

Auxiliary input jack



Right-Hand Drive (RHD) model*

*: The illustration is for the Right-Hand Drive (RHD) model. For the Left-Hand Drive (LHD) model, the layout will be the opposite.

The AUX input jack is located above the glove box. The AUX input jack accepts any standard analog audio input such as from a portable cassette tape/CD player, MP3 player or laptop computer.

Push the MEDIA button to play a compatible device when it is plugged into the AUX input jack.

NISSAN strongly recommends using a stereo mini plug cable when connecting your music device to the audio system. Music may not play properly when a monaural cable is used.



WARNING:

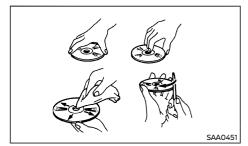
Do not allow the cable or an external device connected to the AUX terminal to affect your drivina.

NOTE:

- Depending on the external device, please note that the volume may be louder or quieter than that of the external device.
- When the AUX contacts the plug of the connector cable, noise may be heard.
- The connected external device cannot be operated with the main audio system. The volume and sound quality can be adjusted.
- The song title in the external device cannot be displayed on the audio display.
- For the power source of the external device, use the special battery. The external device cannot be charged with the AUX terminal. Noise may be heard if the CD, radio etc. is operated while charging the battery with the power socket of the vehicle.

CD/USB MEMORY CARE AND CLEANING

CD



Handle a disc by its edges. Never touch the surface of the disc. Do not bend the disc.

- Always place the discs in the storage case when they are not being used.
- To clean a disc, wipe the surface from the center to the outer edge using a clean, soft cloth. Do not wipe the disc using a circular motion

Do not use a conventional record cleaner or alcohol intended for industrial use.

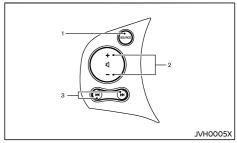
A new disc may be rough on the inner and outer edges. Remove the rough edges by rubbing the inner and outer edges with the side of a pen or pencil as illustrated.

USB memory device (if equipped)

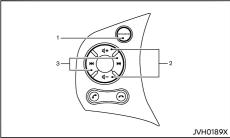
- Do not touch the terminal portion of the USB memory device.
- Do not place heavy objects on the USB memory device.
- Do not store the USB memory device in highly humid locations.
- Do not expose the USB memory device to direct sunlight.
- Do not spill any liquids on the USB memory device

Refer to the USB memory device Owner's Manual for the details

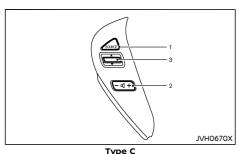
STEERING WHEEL SWITCH FOR AUDIO CONTROL (if equipped)

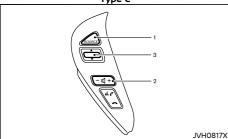


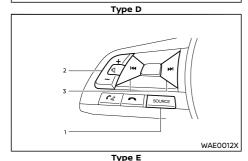
Type A



Type B







SOURCE select switch

- 2 VOLUME control switch
- 3. Tuning switch

The audio system can be operated using the controls on the steering wheel.

SOURCE select switch

Push the SOURCE select switch to change the mode to available audio source.

VOLUME control switch

Push + or - side of the VOLUME control switch to increase or decrease the volume

Tuning switch (except for type E)

For type A audio:

Memory change (radio):

Push the Idd / ▶▶I switch for less than 1.5 seconds to change the next or previous radio preset.

SEEK tuning (radio):

Push the |◀◀ / ▶▶| switch for more than 1.5 seconds to seek the next or previous radio station.

APS (Automatic Program Search) FF, APS REW (CD):

Push the Idd / ▶▶I switch for less than 1.5 seconds to return to the beginning of the present program or skip to the next program. Push several times to skip back or skip through programs.

For type B, C and D audio: Memory change (radio):

Tilt the \triangle / ∇ switch for less than 1.5 seconds to select the next or previous radio preset station.

SEEK tuning (radio):

Tilt the ▲ / ▼ switch for more than 1.5 seconds to seek for the next or previous available radio station

APS (Automatic Program Search) FF, APS REW (CD, USB/iPod*, Bluetooth® audio*):

Tilt the ▲ / ▼ switch for less than 1.5 seconds to return to the beginning of the present program or skip to the next program. Push several times to skip back or skip through programs.

FF. REW (CD. Bluetooth® audio*):

Tilt the \blacktriangle / \blacktriangledown switch for more than 1.5 seconds to fast forward or rewind the track.

Folder change (CD with MP3/WMA, USB/ iPod*):

Tilt the \blacktriangle / \blacktriangledown switch for more than 1.5 seconds to select the next or previous folder.

*: if equipped

Tuning switch (for type E)

Push the tuning switch to operate the audio system, etc. Functional availability may vary depending on the system.

CAR PHONE OR CB RADIO

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.

Bluetooth® HANDS-FREE PHONE SYSTEM (if equipped for type A audio)



WARNING:

- Use a phone after stopping your vehicle in a safe location. If you have to use a phone while driving, exercise extreme caution at all times so full attention may be given to vehicle operation.
- If you find yourself unable to devote full attention to vehicle operation while talking on the phone, pull off the road to a safe location and stop your vehicle before doing so.



CAUTION:

To avoid draining the vehicle battery, use a phone after starting the engine.

Your vehicle is equipped with Bluetooth® Hands-Free Phone System. If you are an owner of a Bluetooth® enabled cellular phone, you can set up the wireless connection between your cellular phone and the in-vehicle phone module. With Bluetooth® wireless technology, you can make or receive a telephone call with your cellular phone in your pocket.

Once your cellular phone is paired to the invehicle phone module, no phone connecting procedure is required. Your phone is automatically connected with the in-vehicle phone module when the audio system is turned on with the registered cellular phone turned on and carried in the vehicle.

You can register up to 5 different Bluetooth® cellular phones in the in-vehicle phone module. However, you can talk on only one cellular phone at a time.

When a call is active, the audio system and microphone (located in the ceiling in front of the rearview mirror) are used for the handsfree

communications

If the audio system is being used at the time, the audio mode will mute and will stay muted until the active call is ended.

Before using the Bluetooth® Hands-Free Phone System, refer to the following notes.

- Wireless LAN (Wi-Fi) and the Bluetooth® functions share the same frequency band (2.4 GHz). Using the Bluetooth® and the wireless LAN functions at the same time may slow down or disconnect the communication and cause undesired noise. It is recommended that you turn off the wireless LAN (Wi-Fi) when using the Bluetooth® functions
- Set up the wireless connection between a cellular phone and the in-vehicle phone module before using the Bluetooth® Hands-Free Phone System.
- Some Bluetooth® enabled cellular phones may not be recognized by the in-vehicle phone module.
- You will not be able to use a hands-free phone under the following conditions:
 - Your vehicle is outside of the telephone service area
 - Your vehicle is in an area where it is difficult to receive radio waves: such as in a tunnel, in an underground parking garage, behind a tall building or in a mountainous area.
 - Your cellular phone is locked in order not to be dialed.
- When the radio wave condition is not ideal or ambient sound is too loud, it may be difficult to hear the other person's voice during a call.

- Immediately after the audio system is turned on, it may be impossible to receive a call for a short period of time.
- Do not place the cellular phone in an area surrounded by metal or far away from the in-vehicle phone module to prevent tone quality degradation and wireless connection disruption.
- While a cellular phone is connected through the Bluetooth® wireless connection, the battery power of the cellular phone may discharge quicker than usual.
- If the Bluetooth® Hands-Free Phone System seems to be malfunctioning, please contact a NISSAN dealer
- Some cellular phones or other devices may cause interference or a buzzing noise to come from the audio system speakers. Storing the device in a different location may reduce or eliminate the noise.
- Refer to the cellular phone Owner's Manual regarding the telephone pairing procedure specific to your phone, battery charging, cellular phone antenna, etc.
- The antenna display on the audio display will not coincide with the antenna display of some cellular phones.
- Keep the interior of the vehicle as guiet as possible to hear the caller's voice clearly as well as to minimize its echoes
- If reception between callers is unclear. adjusting the incoming or outgoing call volume may improve the clarity.
- This wireless hands free car kit is based on Bluetooth® technology.
 - Frequency: 2402 MHz 2480 MHz
 - Output Power: 4.14 dBm E.I.R.P

- Modulation: FHSS GFSK 8DPSK, π / 4DOPSK
- Number of Channel: 79
- This wireless equipment can't be used for any services related to safety because there is the possibility of radio interference.

REGULATORY INFORMATION

Bluetooth® Trademark



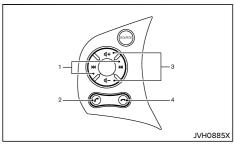
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CE statement

Hereby "Yangfeng Visteon Automotive Electronics Co., Ltd." declares that this Bluetooth car kit AV System is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.



CONTROL BUTTONS AND MICROPHONE Steering wheel mounted control:



- 1. SEEK button
- PHONE SEND button
- 3 Volume control button
- 4 PHONE END button

Microphone:

Microphone is located near the map light.

Bluetooth® settings

Choosing a language:

You can interact with the Bluetooth® Hands-Free Phone System using English, Arabic, Mandarin, Russian or Korean. To change the language, perform the following.

- 1 Push the PHONE SEND button for more than 5 seconds
- The system announces: "Press the PHONE END button to select a different language."
- Push the PHONE END button.
- 4. The system announces the current language and gives you the option to change the language. Push the SEEK button to select a different language.

NOTE:

You must push the PHONE SEND button or the PHONE END button within 5 seconds to change the language.

5. If you decide not to change the language, do not push either button. After 5 seconds, the VR session will end, and the language will not be changed.

Pairing procedure:

- 1. Push the PHONE SEND button. The system asks you to pair a new phone.
- 2. Initiate pairing from the cellular phone and enter a PIN code for pairing your Bluetooth® cellular phone. Operate it to enter the code "1234". The code is always "1234" regardless of the number of phones paired. The pairing procedure of the cellular phone varies according to each cellular phone manufacturer. See the cellular phone Owner's Manual for details.
- 3. After the prompt "Please say a name for the phone." by the system, say a name for the phone. If the name is too long, it will not be fully registered.
- 4. The system will inform you that the cellular phone is successfully registered.

Registering an additional phone:

You can register up to 5 different Bluetooth® cellular phones in the in-vehicle phone module. However, you can talk on only one cellular phone at a time.

- 1 Push the PHONE SEND button and the SEEK button to select "Connect Phone", and then push the PHONE SEND button.
- 2. Push the SEEK button to select "Add Phone", and then push the PHONE SEND button.

3. The system asks you to initiate pairing from your Bluetooth® cellular phone and enter a PIN code for pairing the phone. Operate it to enter the code "1234".

The pairing procedure of the cellular phone varies according to each cellular phone manufacturer. See the cellular phone Owner's Manual for details.

- 4. After the prompt "Please say a name for the phone." by the system, say a name for the phone. If the name is too long, it will not be fully registered.
- 5. The system will inform you that the cellular phone is successfully registered.

Selecting a registered phone:

- Push the PHONE SEND button and the SEEK button to select "Connect Phone", and then push the PHONE SEND button.
- 2. Push the SEEK button to select "Select Phone", and then push the PHONE SEND button
- Push the SEEK button. Each time the button is operated, the system announces the names of the phones. Select the phone you wish to use.
- 4. Push the PHONE SEND button to complete the selection.

Deleting a registered phone:

- Push the PHONE SEND button and the SEEK button to select "Connect Phone", and then push the PHONE SEND button.
- Push the SEEK button to select "Delete Phone", and then push the PHONE SEND button.
- 3. Push the SEEK button. Each time the button is operated, the system announces the name of the phones. Select the phone

vou wish to delete.

- 4. When the system asks if you want to delete. push the PHONE SEND button. To cancel the deletion, push the PHONE END button.
- 5. The system asks you to confirm the deletion. To delete the desired phone, push the PHONE SEND button again.

NOTE:

When you delete a phone, the associated phonebook for the phone will also be deleted.

Bluetooth® on/off:

- 1. Push the PHONE SEND button until the system announces "Settings menu".
- 2 Push the SFEK button to select Bluetooth® on or off
- To turn on/off the Bluetooth® hands-free phone system, push the PHONE SEND button.

When Bluetooth® is off, you will not be able to make or receive calls by the hands-free mode. Also, you will not have access to the phonebook.

Phonebook

The phonebook stores up to 40 names for each phone paired with the system.

NOTE:

Each phone has its own separate phonebook. You cannot access Phone A's phonebook if you are currently connected with Phone B.

New entry:

This function is not available while driving.

- 1. Push the PHONE SEND button and SEEK button to select "PHONEBOOK", and then push the PHONE SEND button.
- Push the SEEK button to select "Transfer Entry", and then push the PHONE SEND button.
- 3. When the system says "Please transfer the phone number from your handset.". operate your cellular phone to send the phonebook to the system.
 - The memory sending procedure from the Bluetooth® cellular phone varies according to each cellular phone manufacturer. See the cellular phone Owner's Manual for more details.
- 4. When prompted by the system, say the name that you would like to give for the new entry.
 - Speak in a natural voice without pausing between words
- 5. When the system requires you to repeat the name, say the name again.
- 6. Push the PHONE SEND button to continue the entry, or push the PHONE END button to finish the phone mode.

Delete:

This function is not available while driving.

- Push the PHONE SEND button and SEEK button to select "PHONEBOOK", and then push the PHONE SEND button.
- 2. Push the SEEK button to select "Delete Entry", and then push the PHONE SEND button

- 3 Push the SEEK button and choose the phonebook entry you wish to delete.
- 4. When the system asks if you want to delete the contact, push the PHONE SEND button. To cancel the deletion, push the PHONE END button.
- 5. The system asks you to confirm the deletion.
- 6. To delete the desired contact, push the PHONE SEND button again.
- 7. Push the PHONE SEND button to continue the deletion or push the PHONE END button to finish the phone mode.

Making a call

Phonebook:

- 1. Push the PHONE SEND button and SEEK button to select "CALL", and then push the PHONE SEND button.
- 2. Push the SEEK button to select "List Name", and then push the PHONE SEND button.
- 3. Push the SEEK button, and choose the phonebook entry you wish to call. The system acknowledges the name and begins the call.

Redial:

- Push the PHONE SEND button and the SEEK button to select "CALL", and then push the PHONE SEND button.
- 2. Push the SEEK button to select "Redial", and then push the PHONE SEND button.
- 3. Push the PHONE SEND button, and then the system begins the call.

Bluetooth® cellular phone keypad:

You can also make a call by operating the cellular phone that is registered to the invehicle phone module to use the hands-free phone system.

Ending a call:

Push the PHONE END button on the steering wheel or the off button on the cellular phone.

Receiving or rejecting a call

When you hear the ring tone, push the PHONE SEND button on the steering wheel.

If you do not wish to answer the call when you hear the ring tone, push the PHONE END button.

Transferring a call

During a call, push the PHONE SEND button to switch the call from the Bluetooth® Hands-Free Phone System to the cellular phone when privacy is desired.

Push the PHONE SEND button again to return to the hands-free mode.

Some Bluetooth® cellular phones may not be able to return to the hands-free mode. Refer to the cellular phone Owner's Manual for information about reconnection.

Once the audio system is turned off and then turned on again, the system will automatically change to the hands-free mode as the default settina.

Bluetooth® HANDS-FREE PHONE SYSTEM (if equipped for type B audio)



WARNING:

- Use a phone after stopping your vehicle in a safe location. If you have to use a phone while driving, exercise extreme caution at all times so full attention may be given to vehicle operation.
- If you find yourself unable to devote full attention to vehicle operation while talking on the phone, pull off the road to a safe location and stop your vehicle before doing so.



CAUTION:

To avoid draining the vehicle battery, use a phone after starting the engine.

Your vehicle is equipped with Bluetooth® Hands-Free Phone System. If you are an owner of a Bluetooth® enabled cellular phone, you can set up the wireless connection between your cellular phone and the in-vehicle phone module. With Bluetooth® wireless technology, you can make or receive a telephone call with your cellular phone in your pocket.

Once your cellular phone is paired to the invehicle phone module, no phone connecting procedure is required. Your phone is automatically connected with the in-vehicle phone module when the audio system is turned on with the registered cellular phone turned on and carried in the vehicle.

You can register up to 5 different Bluetooth® cellular phones in the in-vehicle phone module. However, you can talk on only one cellular phone at a time.

When a call is active, the audio system and microphone (located in the ceiling in front of the rearview mirror) are used for the handsfree

communications

If the audio system is being used at the time, the audio mode will mute and will stay muted until the active call is ended.

Before using the Bluetooth® Hands-Free Phone System, refer to the following notes.

- Wireless LAN (Wi-Fi) and the Bluetooth® functions share the same frequency band (2.4 GHz). Using the Bluetooth® and the wireless LAN functions at the same time may slow down or disconnect the communication and cause undesired noise. It is recommended that you turn off the wireless LAN (Wi-Fi) when using the Bluetooth® functions
- Set up the wireless connection between a cellular phone and the in-vehicle phone module before using the Bluetooth® Hands-Free Phone System.
- Some Bluetooth® enabled cellular phones may not be recognized by the in-vehicle phone module.
- You will not be able to use a hands-free phone under the following conditions:
 - Your vehicle is outside of the telephone service area
 - Your vehicle is in an area where it is difficult to receive radio waves: such as in a tunnel, in an underground parking garage, behind a tall building or in a mountainous area.
 - Your cellular phone is locked in order not to be dialed.
- When the radio wave condition is not ideal or ambient sound is too loud, it may be difficult to hear the other person's voice during a call.

- Immediately after the audio system is turned on, it may be impossible to receive a call for a short period of time.
- Do not place the cellular phone in an area surrounded by metal or far away from the in-vehicle phone module to prevent tone quality degradation and wireless connection disruption.
- While a cellular phone is connected through the Bluetooth® wireless connection, the battery power of the cellular phone may discharge quicker than usual.
- If the Bluetooth® Hands-Free Phone System seems to be malfunctioning, please contact a NISSAN dealer
- Some cellular phones or other devices may cause interference or a buzzing noise to come from the audio system speakers. Storing the device in a different location may reduce or eliminate the noise.
- Refer to the cellular phone Owner's Manual regarding the telephone pairing procedure specific to your phone, battery charging, cellular phone antenna, etc.
- Keep the interior of the vehicle as quiet as possible to hear the caller's voice clearly as well as to minimize its echoes.
- If reception between callers is unclear. adjusting the incoming or outgoing call volume may improve the clarity.
- This wireless hands free car kit is based on Bluetooth® technology.
 - Frequency: 2402 MHz 2480 MHz
 - Output Power: 4.14 dBm E.I.R.P
 - Modulation: FHSS GFSK 8DPSK, π / 4DQPSK
 - Number of Channel: 79

- This wireless equipment can't be used for any services related to safety because there is the possibility of radio interference

REGULATORY INFORMATION

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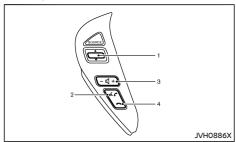
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CONTROL BUTTONS AND MICROPHONE Steering wheel mounted control:



SEEK button

- PHONE SEND button
- Volume control button
- PHONE END button

Microphone:

Microphone is located near the map light.

Bluetooth® settings

Choosing a language:

You can interact with the Bluetooth® Hands-Free Phone System using English, Arabic, Mandarin, Russian or Korean. To change the language, perform the following.

- 1. Push the PHONE SEND button for more than 5 seconds.
- 2. The system announces: "Press the PHONE END button to select a different language."
- 3. Push the PHONE END button.
- 4. The system announces the current language and gives you the option to change the language. Push the SEEK button to select a different language.

NOTE:

You must push the PHONE SEND button or the PHONE END button within 5 seconds to change the language.

If you decide not to change the language, do not push either button. After 5 seconds. the VR session will end, and the language will not be changed.

Pairing procedure:

- 1. Push the PHONE SEND button. The system asks you to pair a new phone.
- 2. Initiate pairing from the cellular phone and enter a PIN code for pairing your Bluetooth® cellular phone. Operate it to enter the code "1234". The code is always "1234"

regardless of the number of phones paired. The pairing procedure of the cellular phone varies according to each cellular phone manufacturer. See the cellular phone Owner's Manual for details

- 3. After the prompt "Please say a name for the phone." by the system, say a name for the phone. If the name is too long, it will not be fully registered.
- 4. The system will inform you that the cellular phone is successfully registered.

Registering an additional phone:

You can register up to 5 different Bluetooth® cellular phones in the in-vehicle phone module. However, you can talk on only one cellular phone at a time.

- Push the PHONE SEND button and the SEEK button to select "Connect Phone", and then push the PHONE SEND button.
- 2. Push the SEEK button to select "Add Phone", and then push the PHONE SEND button
- 3. The system asks you to initiate pairing from your Bluetooth® cellular phone and enter a PIN code for pairing the phone. Operate it to enter the code "1234".

The pairing procedure of the cellular phone varies according to each cellular phone manufacturer. See the cellular phone Owner's Manual for details

- 4. After the prompt "Please say a name for the phone." by the system, say a name for the phone. If the name is too long, it will not be fully registered.
- 5. The system will inform you that the cellular phone is successfully registered.

Selecting a registered phone:

- 1 Push the PHONE SEND button and the SEEK button to select "Connect Phone", and then push the PHONE SEND button.
- 2 Push the SEEK button to select "Select Phone", and then push the PHONE SEND button.
- 3. Push the SEEK button. Each time the button is operated, the system announces the names of the phones. Select the phone you wish to use.
- 4. Push the PHONE SEND button to complete the selection

Deleting a registered phone:

- Push the PHONE SEND button and the SEEK button to select "Connect Phone", and then push the PHONE SEND button.
- 2 Push the SFEK button to select "Delete Phone", and then push the PHONE SEND button
- 3 Push the SEEK button Each time the button is operated, the system announces the name of the phones. Select the phone vou wish to delete.
- 4. When the system asks if you want to delete, push the PHONE SEND button. To cancel the deletion, push the PHONE END button.
- 5. The system asks you to confirm the deletion. To delete the desired phone, push the PHONE SEND button again.

NOTE:

When you delete a phone, the associated phonebook for the phone will also be deleted.

Bluetooth® on/off:

To turn off the Bluetooth®, follow the procedure below

- 1 Push the PHONE SEND button and the SEEK button to select "Connect Phone", and then push the PHONE SEND button.
- 2. Push the SEEK button to select "Bluetooth Off", and then push the PHONE SEND button.

To turn on the Bluetooth®, push the PHONE SEND button twice

When Bluetooth® is off, you will not be able to make or receive calls by the hands-free mode. Also, you will not have access to the phonebook

Phonebook

The phonebook stores up to 40 names for each phone paired with the system.

NOTE:

Each phone has its own separate phonebook. You cannot access Phone A's phonebook if you are currently connected with Phone B. New entry:

This function is not available while driving.

- 1 Push the PHONE SEND button and SEEK button to select "PHONEBOOK", and then push the PHONE SEND button.
- Push the SEEK button to select "Transfer Entry", and then push the PHONE SEND button.
- 3. When the system says "Please transfer the phone number from your handset.", operate your cellular phone to send the phonebook to the system.

The memory sending procedure from the Bluetooth® cellular phone varies according to each cellular phone manufacturer. See the cellular phone Owner's Manual for more details

4. When prompted by the system, say the name that you would like to give for the new entry.

Speak in a natural voice without pausing between words.

- 5. When the system requires you to repeat the name, say the name again.
- 6 Push the PHONE SEND button to continue the entry, or push the PHONE END button to finish the phone mode.

Delete:

This function is not available while driving.

- 1. Push the PHONE SEND button and SEEK button to select "PHONEBOOK", and then push the PHONE SEND button.
- 2. Push the SEEK button to select "Delete Entry", and then push the PHONE SEND button.
- 3 Push the SEEK button and choose the phonebook entry you wish to delete.
- 4. When the system asks if you want to delete the contact, push the PHONE SEND button. To cancel the deletion, push the PHONE FND button
- 5. The system asks you to confirm the deletion.
- 6. To delete the desired contact, push the PHONE SEND button again.
- 7 Push the PHONE SEND button to continue the deletion or push the PHONE END button to finish the phone mode.

Making a call

Phonebook:

- Push the PHONE SEND button and SEEK button to select "CALL", and then push the PHONE SEND button.
- 2. Push the SEEK button to select "List Name". and then push the PHONE SEND button.
- 3. Push the SEEK button, and choose the phonebook entry you wish to call. The system acknowledges the name and begins the call.

Redial:

- 1. Push the PHONE SEND button and the SEEK button to select "CALL", and then push the PHONE SEND button
- 2. Push the SEEK button to select "Redial", and then push the PHONE SEND button.
- 3. Push the PHONE SEND button, and then the system begins the call.

Bluetooth® cellular phone keypad:

You can also make a call by operating the cellular phone that is registered to the invehicle phone module to use the hands-free phone system.

Ending a call:

Push the PHONE END button on the steering wheel or the off button on the cellular phone.

Receiving or rejecting a call

To receive a call, push the PHONE SEND button on the steering wheel when you hear the ring tone.

If you do not wish to answer the call when you hear the ring tone, push the PHONE END button

Turning mute on/off

Push the PHONE SEND button if you wish to mute an active call.

Push the PHONE SEND button again to turn off the mute mode.

Transferring a call between hands-free and handset mode

During a call in the hands-free mode, you can switch to use the handset mode in cases where privacy is required.

Switching to handset mode:

- 1. During a call in the hands-free mode, push the PHONE SEND button to turn on the mute mode.
- 2. Push the SEEK button to select "Transfer Call", and then push the PHONE SEND button.

Switching back to hands-free mode:

- 1. During a call in handset mode, push the PHONE SEND button.
- 2. When asked by the system if you wish to switch to the hands-free mode, push the SEEK button to select "Yes", and then push the PHONE SEND button

Some Bluetooth® cellular phones may not be able to return to the hands-free mode. Refer to the cellular phone Owner's Manual for information about reconnection

Once the audio system is turned off and then turned on again, the system will automatically change to the hands-free mode as the default settina.

Bluetooth® HANDS-FREE PHONE SYSTEM (if equipped for type C audio)



WARNING:

- Use a phone after stopping your vehicle in a safe location. If you have to use a phone while driving, exercise extreme caution at all times so full attention may be given to vehicle operation.
- If you find yourself unable to devote full attention to vehicle operation while using the phone, pull off the road to a safe location and stop your vehicle before doing so.



CAUTION:

To avoid draining the vehicle battery, use a phone after starting the engine.

Bluetooth® is a wireless radio communication standard. This system offers a hands-free facility for your cellular phone to enhance driving comfort.

To use the Bluetooth® Hands-Free Phone System, your cellular phone must first be setup. For details, see "Bluetooth® settings" (P.4-54). Once it has been setup, the hands-free mode is automatically activated on the registered cellular phone (via Bluetooth®) when it comes into range.

A notification message appears on the audio display when the phone is connected, when an incoming call is being received, as well as when a call is initiated

When a call is active, the audio system, microphone, and steering wheel mounted control buttons enable hands-free communication

If the audio system is in use at the time, the radio, CD, iPod, USB audio, Bluetooth® audio or AUX source mode will be muted and will stay muted until the active call has ended.

The Bluetooth® system may not be able to connect with your cellular phone for the following reasons:

- The cellular phone is too far away from the vehicle.
- The Bluetooth® mode on your cellular phone has not been activated.
- Your cellular phone has not been paired with the Bluetooth® system of the audio unit.
- The mobile phone does not support Bluetooth® technology.

NOTE:

- For details, see your cellular phone's Owner's Manual.
- For assistance with your cellular phone integration, please visit your local NISSAN dealer.

REGULATORY INFORMATION

Bluetooth® Trademark



Bluetooth® is a trademark owned by Bluetooth SIG, Inc. and licensed to Visteon Corporation.

CE statement

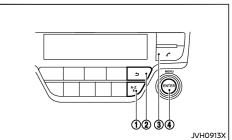
Hereby Visteon Corp. declares that this system is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.



NOTE:

The audio system only supports Bluetooth® devices with AVRCP (Audio Video Remote Control Profile) version 1.3. or 1.0 or earlier.

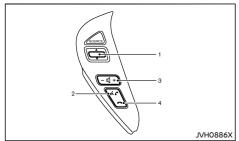
CONTROL BUTTONS AND MICROPHONE Instrument panel:



A-Z button

- Back **5** button
- Phone button
- **ENTER button**

Steering wheel mounted control:



- SEEK **button**
- 2. PHONE SEND & C button
- Volume control button Increases or decreases the volume from the system.
- PHONE END

 button

Microphone:

Microphone is located near the map light.

Bluetooth® SETTINGS

Pairing device

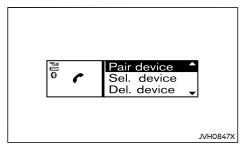
Enter the phone setup menu via the button on the instrument panel, select the "Bluetooth" key, and then check if the Bluetooth® is set to on. (If not push the ENTER button to turn it on.)

To setup the Bluetooth® system to pair (connect or register) your preferred cellular phone, follow the following procedure.

- 1. To pair a device, use "Scan device" key or the "Pair device" key on the display.
- 2. A notification message will be displayed when the phone is successfully paired.
- 3. The display will return to the current audio source status after the connection is complete.
- While the Bluetooth® connection is active. the following icons will appear on the display.
 - Signal strength indicator
 - Battery status indicator*
 - : Bluetooth® connection ON indica-
 - *: If low battery is indicated, the Bluetooth® device must be recharged soon.
- Up to 5 different Bluetooth® devices can be connected. However, only one device can be used at a time. If 5 different Bluetooth® registered devices are registered, a new device can only replace one of the 5 existing paired devices.
- The pairing procedure and operation may vary according to device type and compatibility. See the Bluetooth® device Owner's Manual for further details.

Setting items

To set up the Bluetooth® system with a device, the following items are available:



Scan devices

Bluetooth® devices can be paired with the system. A maximum of 5 Bluetooth® devices can be registered.

Pair device

Bluetooth® devices can be paired with the system. A maximum of 5 Bluetooth® devices can be registered.

Sel device

Paired Bluetooth® devices are listed and can be selected for connection.

Del. device

A registered Bluetooth® device can be deleted.

Settinas

Volume and Ringtone options are listed and can be selected for the Bluetooth® hands-free phone.

Bluetooth

If this setting is turned off, the connection between the Bluetooth® devices and the invehicle Bluetooth® module will be cancelled.

Scan devices:

- 1. Push the f button on the instrument panel. Select "Scan devices" key. The audio unit searches for the Bluetooth® devices and shows all devices that were found.
 - Make sure your Bluetooth® device is available at this time.
- 2. Select the device to be paired using the MENU knob.
- 3. The pairing procedure depends on the device to be connected.
 - a. Device without PIN code:

The Bluetooth® connection will be automatically connected without any further input.

b. Device with PIN code:

Two different ways of pairing are possible depending on the device:

Type A:

The message "To pair" and "Enter Pin" 0000 will be displayed.

Confirm the PIN code on the device. The Bluetooth® connection will be made.

Type B:

The message "Pairing request" and "Confirm password" together with a 6 digit code will be displayed. The unique and identical code should be displayed on the device. If the code is identical confirm on the device.

The Bluetooth® connection will be made.

Pair device:

- Turn on the Bluetooth® on the audio unit See "Bluetooth" (P.4-55).
- Use the audio unit to pair:

Push the button on the instrument panel. Select the "Pair Device" key.

The pairing procedure depends on the Bluetooth® device to be connected:

1) Device without PIN code:

The Bluetooth® connection will be automatically connected without any further input.

Device with PIN code:

Two different ways of pairing are possible depending on the device. For the correct procedure details, see "Scan devices" (P.4-55).

- Use the Bluetooth® audio/cellular phone device to pair:
 - 1) Switch on the search mode for Bluetooth® devices.

If the search mode finds the audio unit it will be shown on the device display.

- 2) Select the unit device shown as "My Car"
- 3) Enter the number code shown on the relevant device with the device's own keypad, and push the confirmation key on the Bluetooth® device

Refer to the relevant Bluetooth® device Owner's Manual for further details.

Sel. device:

The paired device list shows which Bluetooth® audio or cellular phone devices have been paired or registered to the system. Select the appropriate device to connect to the system.

The following symbols (if equipped) indicate the capability of the registered device:

- : Cellular phone integration
- ☐: Audio streaming (A2DP Advanced Audio Distribution Profile)

Del. device:

A registered device can be removed from Bluetooth® system registration. Select a registered device and push the ENTER button to confirm to deletion

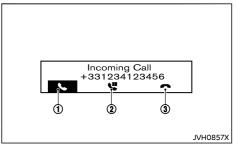
Bluetooth:

Turn the vehicle's Bluetooth ® system on or off. Push the **b**utton to return to the phone setup menu.

USING THE SYSTEM

The hands-free mode can be operated using the **p** button on the instrument panel.

Receiving a call



When receiving an incoming call, the display on the audio unit will show the caller's phone number (or a notification message that the caller's phone number cannot be shown) and three operation icons as illustrated. To highlight different icons, turn the MENU knob, Push the ENTER button to select the highlighted icon

(1) Answering and during a call:

Answer the call by selecting ...

During the call, the following icons are available:

•

Select this item to end the call.

Select this item to put the call on hold.

___n:

Select this item to transfer the call from the hands-free phone system to your cellular phone.

4

Select this item to transfer the call back to the hands-free phone system from the cellular phone.

#123:

Select this item to enter numbers during a call. For example, use this function when directed by an automated phone system to dial an extension number.

2 Putting a call on hold:

To put a call on hold, select 😃 Push ENTER button again to take the call. To reject the call select .

③ Rejecting a call:

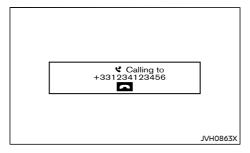
To reject an incoming call, select
or by pushing on the steering wheel.

Initiating a call



WARNING:

Park the vehicle in a safe location, and apply the parking brake before making a call.



A call can be initiated using one of the following methods:

- Making a call from the phonebook
- Manually dialing a phone number
- Redialina
- Using call history (Call List menu)
 - Dialled
 - Received
 - Missed

Making a call from the phonebook:

Once the Bluetooth® connection has been made between the registered cellular phone and the hands-free phone system, phonebook data will be transferred automatically to the hands-free phone system. The transfer may take a while before completion.

NOTE:

Phone book data will be erased when:

- Switching to another registered cellular phone.
- Cellular phone is disconnected.
- The registered cellular phone is deleted from the audio system.
- 1. Push the button on instrument panel.
- 2. Turn the MENU knob to highlight "Phone Book" and push the ENTER button.
- 3. Scroll down through the list, select the appropriate contact name (highlighted), and push the ENTER button.
- 4 The screen will show the number to be dialled Push the ENTER button to dial the number

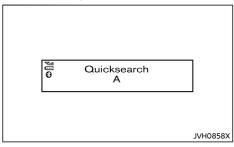
If more than one number is registered, select an appropriate icon.

1: Home

🗋 : Cellular phone

: Office

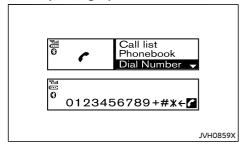
Quick searching the phonebook:



The quick search mode can be used as follows:

- 1 Push the A-7 button
- 2. Turn the MENU knob for the first alphabetic or numerical letter of the contact name. Once highlighted, push the ENTER button to select the letter.
- 3. The display will show the corresponding contact name(s). Where necessary, use the MENU knob to scroll further for the appropriate contact name to call.
- 4. The screen will show the number to be dialled Push the ENTER button to dial the number

Manually dialling a phone number:



To dial a phone number manually, perform the following operation:

- 1. Push the button on the instrument panel and turn the MENU knob to highlight "Dial Number"
- Push the ENTER button to select "Dial Number"
- 3. Turn the MENU knob to scroll along and highlight each number of the phone number. Push the ENTER button to select the highlighted number.

To delete the last number entered, scroll to

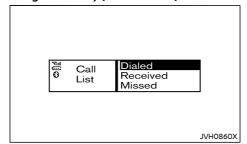
the "←" (Backspace symbol) and once highlighted, push the ENTER button. The last number will be deleted. Pushing the ENTER button repeatedly will delete each subseauent number.

4. After entering the last number, scroll to the symbol and push the ENTER button to dial the number.

Redial:

To redial or call the last number dialled, push and hold the 🌈 button on the instrument panel or & r button on steering wheel for more than 2 seconds.

Using call history (Call list menu):



A number from the dialled, received, or missed call lists can also be used to make a call.

- 1. Push the 🌈 button on the instrument panel and select "Call List" on the display.
- 2. Turn the MENU knob and scroll to an item. and push the ENTER button to select an item

Available items:

Dialed

Use the dialled call mode to make a call which is based on the list of outgoing

(dialled) calls.

Received

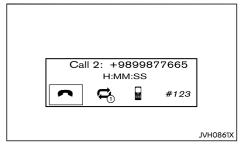
Use the received call mode to make a call which is based on the list of received calls

Missed

Use the missed call mode to make a call which is based on the list of missed calls

3. Scroll to the preferred phone number and push the ENTER button or button on the instrument panel.

Second incoming call

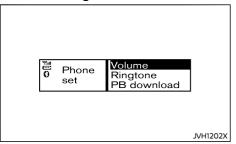


Whenever there is a second incoming call is shown in the display. By selecting the L icon the call is accepted and the current call is put on hold

Selecting the
icon using the MENU knob / ENTER button rejects the second incoming call. When this is done during the conversation it ends the call.

Selecting the A icon using the MENU knob / ENTER button switches the call on line between the first and the second call

General settings



Using the MENU knob/ENTER button, select "Settings" from the phone menu.

Volume settings and manually downloading the phonebook can be done using this menu.

Menu operation:

Turn the MENU knob to change the highlighted item and to change the volume settings.

Push the ENTER button to select the high-lighted item and to apply the setting.

Menu items:

- Volume
 - Ring
 Set the phone ringing volume.
 - Call
 Set the volume of the conversation during a call.
- Rinatone
 - Car

Switch the ringtone to ring from the vehicle or the cellular phone.

Phone
 Switch the phone ringing volume on or off.

PB download

Download the phonebook of the mobile device to the audio unit manually.

Bluetooth® HANDS-FREE PHONE SYSTEM (if equipped for type D audio)



WARNING:

- Use a phone after stopping your vehicle in a safe location. If you have to use a phone while driving, exercise extreme caution at all times so full attention may be given to vehicle operation.
- If you find yourself unable to devote full attention to vehicle operation while talking on the phone, pull off the road to a safe location and stop your vehicle before doing so.



CAUTION:

To avoid draining the vehicle battery, use a phone after starting the engine.

Your NISSAN is equipped with the Bluetooth® Hands-Free Phone System. If you have a compatible Bluetooth® enabled cellular phone, you can set up the wireless connection between your cellular phone and the in-vehicle phone module. With Bluetooth® wireless technology, you can make or receive a hands-free telephone call with your cellular phone in the vehicle.

Once your cellular phone is connected to the in-vehicle phone module, no other phone connecting procedure is required. Your phone is automatically connected with the in-vehicle phone module when the audio system is turned on with the previously connected cellular phone turned on and carried in the vehicle.

NOTE:

Some devices require the user to accept connections to other Bluetooth® devices. If your phone does not connect automatically to the system, consult the phone's Owner's

Manual for details on device operation.

You can connect up to 5 different Bluetooth® cellular phones to the in-vehicle phone module. However, you can talk on only one cellular phone at a time.

Before using the Bluetooth® Hands-Free Phone System, refer to the following notes.

- Set up the wireless connection between a compatible cellular phone and the in-vehicle phone module before using the handsfree phone system.
- Some Bluetooth® enabled cellular phones may not be recognized or work properly. For details, consult a NISSAN dealer.
- You will not be able to use a hands-free phone under the following conditions:
 - Your vehicle is outside of the cellular service area.
 - Your vehicle is in an area where it is difficult to receive a cellular signal; such as in a tunnel, in an underground parking garage, near a tall building or in a mountainous area
 - Your cellular phone is locked to prevent it from being dialed.
- When the radio wave condition is not ideal or ambient sound is too loud, it may be difficult to hear the other person's voice during a call.
- Do not place the cellular phone in an area surrounded by metal or far away from the in-vehicle phone module to prevent tone quality degradation and wireless connection disruption.
- While a cellular phone is connected through the Bluetooth® wireless connection, the battery power of the cellular phone may discharge guicker than usual. The Bluetooth® Hands-Free Phone System

- cannot charge cellular phones.
- Some cellular phones or other devices may cause interference or a buzzing noise to come from the audio system speakers. Storing the device in a different location may reduce or eliminate the noise.
- Refer to the cellular phone Owner's Manual regarding the telephone charges, cellular phone antenna and body, etc.

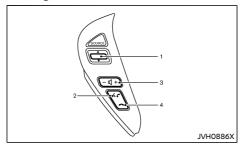
REGULATORY INFORMATION

Bluetooth® Trademark



Bluetooth® is a trademark owned by Bluetooth SIG. Inc. and licensed to Visteon Corporation.

CONTROL BUTTONS AND MICROPHONE Steering wheel mounted control:



- SEEK **♦** button
- PHONE SEND 🎉 🌈 button
- Volume control button Increases or decreases the volume from the system.
- PHONE END
 button

Microphone:

Microphone is located near the map light.

USING THE SYSTEM

The hands-free mode can be operated using the & c button on the steering wheel.

Choosing a language

You can interact with the Bluetooth® Hands-Free Phone System using several languages that are available. For operations to change the language, see "Audio main operation" (P.4-38).

Changing voice feedback volume

If you want to adjust the volume of the voice feedback, push the volume control button (+ or - side of the volume control switches) while being provided with feedback. You can also use the volume control knob on the audio unit

Initialization

When the audio system is turned on, the Bluetooth® Hands-Free Phone System is initialized which takes a few seconds. If the of c button is pushed before the initialization completes, the system will announce that the hands-free phone system is not ready.

Connecting procedure

You can register up to 5 different Bluetooth® cellular phones in the in-vehicle phone module. However, you can talk on only one cellular phone at a time.

To connect a phone to the Bluetooth® Hands-Free Phone System;

- Push the ENTER/SETTING button.
- 2. Use the TUNE FOLDER knob to select "Bluetooth" and then push the ENTER/ SETTING button

- 3. Select "Add Phone or Device" and then push the ENTER/SETTING button.
- 4. When a message with a PIN appears on the screen, operate the Bluetooth® phone to enter the PIN.
- 5. The connecting procedure varies according to each phone. See the phone's Owner's Manual for details.

List of commands

Commands can be used to operate the Bluetooth® Hands-Free Phone System. Push the menu. The available options are:

- Phonebook
- Record Name (if equipped)
- Recent Calls
- Select Phone

Phonebook:

The following commands are available under "Phonebook".

NOTE:

Each phone has its own separate phonebook. You cannot access Phone A's phonebook if you are currently connected with Phone B.

List Names

Select this command to have the system list the names in the phonebook one by one in alphabetical order. Select "Dial" to dial the number of the currently selected name. Push the \$\rightarrow\$ button to move through the list and select the person you wish to call. Select "Record Name" to record a name for the current phonebook entry. Select "Delete Recording" to delete a recorded name for the current phonebook entry.

Transfer Entry

This command can be used to transfer multiple contacts at a time. This feature is not available with automatic "Phonebook Download" setting turned on. To enable manual contact transfer capability, turn off the "Phonebook Download" setting in the Setting menu. See "Bluetooth® settings" (P.4-61) for more information.

The ability to transfer contacts via the OPP Bluetooth® profile depends on your mobile phone. See your phone's Owner's Manual for details and instructions.

NOTE:

The "Transfer Entry" command is not available when the vehicle is in motion.

Delete Entry

Select this command to delete an entry in the phonebook. Choose an entry to delete.

Record Name (if equipped):

The system allows you to record custom voice tags for contact names in the phonebook. Up to 40 voice tags can be recorded to the system.

Recent Calls:

The following commands are available under "Recent Calls":

Incoming Calls

Select this command to list the last five incoming calls to the vehicle. If the call is from an entry in the phonebook, the name will be displayed. Otherwise, the phone number of the incoming call will be displaved.

Select "Dial" to call the number Select "Next Entry" or "Previous Entry" to move through the list of incoming calls.

Missed Calls

Select this command to list the last five missed calls to the vehicle. If the call is from an entry in the phonebook, the name will be displayed. Otherwise, the phone number of the missed call will be displayed. Select "Dial" to call the number. Select "Next Entry" or "Previous Entry" to move through the list of missed calls.

Outgoing Calls

Select this command to list the last five outgoing calls from the vehicle. If the call was to an entry in the phoebook, the name will be displayed. Otherwise, the phone number of the outgoing call will be displayed. Select "Dial" to call the number. Select "Next Entry" or "Previous Entry" to move through the list of outgoing calls.

Redial

Select this command to call the last number dialed.

Call Back

Select this command to call the number of the last incoming call to the vehicle.

Select Phone:

Select this command to select a phone to use from a list of those phones connected to the vehicle

Making a call from the phonebook

- 1. Push the 🎉 🧨 button on the steering wheel and push the \(\Delta \) button to select the "Phonebook".
- 2. Push the \(\Display \) button on the steering wheel to select the "List Names"
- 3. Push the ≜ button to select the person you wish to call.

4. Push the & r button to accept the selection. The system acknowledges the selection and starts dialing.

Redialina

- 1. Push the & r button on the steering wheel and push the \$\display\$ button to select "Call".
- 2. Push the \$\display\$ button and select "Redial" to call the last number dialed

Receiving a call

When a call is received by the phone connected to the vehicle's Bluetooth® Hands-Free Phone System, the call information is displayed on either the vehicle information display or both the vehicle information display and the control panel display.

Push the & c button to accept the call. Push the nbutton to reject the call.

During a call

While a call is active, push the & r button to access additional options. Select one of the following commands:

- "Mute On" / "Mute Off" Select the command to mute or unmute the system.
- "Transfer Call"

Select this command to transfer the call to the handset. To transfer the call back from the handset to the Bluetooth® Hands-Free Phone System, push the & c button and confirm when prompted.

If supported by the phone, the Bluetooth® Hands-Free Phone System allows for call waiting functionality. If a call is received while another call is already active, a message will be displayed on the screen. Push the of c button to hold the active call and switch to

the second call. Push the n button to reject the second call.

While the second call is active, pushing the & c button will allow the same commands that are available during any call as well as two additional commands:

- "Switch Call" Select this command to hold the second call and switch back to the original call.
- "Fnd Other Call" Select this command to stay with the second call and end the original call.

Push the & r button to accept the call. Push the **b**utton to reject the call.

Ending a call

To end an active call, push the

button.

Bluetooth® SETTINGS

To access and adjust the settings for the Bluetooth® Hands-Free Phone System;

- Push the ENTER/SETTING button.
- 2. Use the TUNE FOLDER knob to select "Bluetooth" and then push the ENTER/ SETTING button

Available setting items:

- Bluetooth Select "On" or "Off" to turn the vehicle's Bluetooth® system on or off.
- Add Phone or Device For operation to connect a phone to the system, see "Connecting procedure" (P.4-59).
- Delete Phone or Device Select to delete a phone from the displayed list. The system will ask to confirm before deleting the phone.

NOTE:

When you delete a phone, the associated phonebook for the phone will also be deleted

Replace Phone

Select to replace a phone from the displayed list. When a selection is made, the system will ask to confirm before proceeding. The recorded phonebook for the phone being deleted will be saved as long as the new phone's phonebook is the same as the old phone's phonebook.

- Select Phone or Device Select to connect to a previously connected phone from the displayed list.
- Phonebook Download Select to turn on or off the automatic download of a connected phone's phonebook.
- Show Incoming Calls

Select "Driver Only" to have incoming call information displayed only in the vehicle information display. Select "Both" to have incoming call information displayed in both the vehicle information display and the center display screen.

MEMO

5 Starting and driving

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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. (HR12DE or HR15DE engine)
- Do not run the engine over 2,500 rpm. (K9K enaine)
- 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-vourself" 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.
- Closely supervise children when they are around your vehicle to prevent them from playing and becoming locked in the trunk where they could be seriously injured. Keep the vehicle locked with the trunk closed when not in use, and prevent children's access to vehicle keys.

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.

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 trunk lid closed while driving, otherwise exhaust gas could be drawn into the passenger compartment. If you must drive with the trunk lid 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 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 (gasoline engine model)



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 threeway catalyst to help reduce exhaust pollutants and/or damage the threeway 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 threeway catalyst.
- Do not race the engine while warming it up.
- Do not push or tow your vehicle to start the engine.

TIRE PRESSURE MONITORING SYSTEM (TPMS) (if equipped)

Each tire, including the spare (if provided), should be checked monthly when cold and inflated to the inflation pressure recommended by the vehicle manufacturer on the vehicle placard or tire inflation pressure label. (If your vehicle has tires of a different size than the size indicated on the vehicle placard or tire inflation pressure label, you should determine the proper tire inflation pressure for those tires.)

As an added safety feature, your vehicle has been equipped with a Tire Pressure Monitoring System (TPMS) that illuminates a low tire pressure telltale when one or more of your tires is significantly under-inflated. Accordingly, when the low tire pressure telltale illuminates, you should stop and check your tires as soon as possible, and inflate them to the proper pressure. Driving on a significantly under-inflated tire causes the tire to overheat and can lead to tire failure. Under-inflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability.

Please note that the TPMS is not a substitute

for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure, even if under-inflation has not reached the level to trigger illumination of the TPMS low tire pressure telltale.

Your vehicle has also been equipped with a TPMS malfunction indicator to indicate when the system is not operating properly. The TPMS malfunction indicator is combined with the low tire pressure telltale. When the system detects a malfunction, the telltale will flash for approximately one minute and then remain continuously illuminated. This sequence will continue upon subsequent vehicle start-ups as long as the malfunction exists. When the malfunction indicator is illuminated, the system may not be able to detect or signal low tire pressure as intended. TPMS malfunctions may occur for a variety of reasons, including the installation of replacement or alternate tires or wheels on the vehicle that prevent the TPMS from functioning properly. Always check the TPMS malfunction telltale after replacing one or more tires or wheels on your vehicle to ensure that the replacement or alternate tires and wheels allow the TPMS to continue to function properlv.

Additional information

- Since the spare tire is not equipped with the TPMS, the TPMS does not monitor the tire pressure of the spare tire.
- The TPMS will activate only when the vehicle is driven at speeds above 25 km/h (16 MPH). Also, this system may not detect a sudden drop in tire pressure (for example a flat tire while driving).
- The low tire pressure warning light does not automatically turn off when the tire pressure is adjusted. After the tire is inflated to the recommended pressure, the vehicle

- must be driven at speeds above 25 km/h (16 MPH) to activate the TPMS and turn off the low tire pressure warning light. Use a tire pressure gauge to check the tire pressure.
- Tire pressure rises and falls depending on the heat caused by the vehicle's operation and the outside temperature. Do not reduce the tire pressure after driving because the tire pressure rises after driving. Low outside temperature can lower the temperature of the air inside the tire which can cause a lower tire inflation pressure. This may cause the low tire pressure warning light to illuminate. If the warning light illuminates in low ambient temperature, check the tire pressure for all four tires.

For additional information, see "Low tire pressure warning light" (P.2-14) and "Tire Pressure Monitoring System (TPMS)" (P.6-2).



WARNING:

If the low tire pressure warning light illuminates while driving, avoid sudden steering maneuvers or abrupt braking. reduce vehicle speed, pull off the road to a safe location and stop the vehicle as soon as possible. Driving with underinflated tires may permanently damage the tires and increase the likelihood of tire failure. Serious vehicle damage could occur and may lead to an accident and could result in serious personal injury. Check the tire pressure for all four tires. Adjust the tire pressure to the recommended COLD tire pressure shown on the tire placard to turn the low tire pressure warning light off. If the light still illuminates while driving after adjusting the tire pressure, a tire may be flat or the

TPMS may be malfunctioning. If you have a flat tire, replace it with a spare tire as soon as possible. If no tire is flat and all tires are properly inflated, have the vehicle checked by a NISSAN dealer.

- Since the spare tire is not equipped with the TPMS, when a spare tire is mounted or a wheel is replaced, the TPMS will not function and the low tire pressure warning light will flash for approximately 1 minute. The light will remain on after the 1 minute. Contact a NISSAN dealer as soon as possible for tire replacement and/or system resetting.
- Replacing tires with those not originally specified by NISSAN could affect the proper operation of the TPMS.
- Do not inject any tire liquid or aerosol tire sealant into the tires, as this may cause a malfunction of the tire pressure sensors.



CAUTION:

- The TPMS may not function properly when the wheels are equipped with tire chains or the wheels are buried in snow.
- Do not place metalized film or any metal parts (antenna, etc.) on the windows. This may cause poor reception of the signals from the tire pressure sensors, and the TPMS will not function properly.

Some devices and transmitters may temporarily interfere with the operation of the TPMS and cause the low tire pressure warning light to illuminate. Some examples are:

 Facilities or electric devices using similar radio frequencies are near the vehicle.

CARE WHEN DRIVING

- If a transmitter set to similar frequencies is being used in or near the vehicle.
- If a computer (or similar equipment) or a DC/AC converter is being used in or near the vehicle.

Low tire pressure warning light may illuminate in the following cases.

- If the vehicle is equipped with a wheel and tire without TPMS.
- If the TPMS has been replaced and the ID has not been registered.
- If the wheel is not originally specified by NISSAN

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 baggage 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.

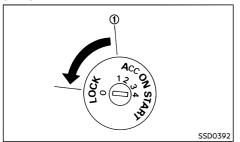
IGNITION SWITCH (model without Intelligent Key system)



WARNING:

Never remove the key or turn the ignition switch to the "LOCK" position while driving. The steering wheel will lock. This may cause the driver to lose control of the vehicle and could result in serious vehicle damage or personal injury.

AUTOMATIC TRANSMISSION (AT)/CON-TINUOUSLY VARIABLE TRANSMISSION (CVT)



The ignition lock is designed so that the ignition switch cannot be turned to the "LOCK" position until the shift lever is moved to the "P" (Park) position. When moving the ignition switch to the "LOCK" position, to remove the key from the ignition switch, make sure the shift lever is in the "P" (Park) position.

When the ignition switch cannot be turned to the "LOCK" position:

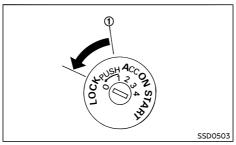
- 1. Move the shift lever to the "P" (Park) position.
- 2. Turn the ignition switch slightly to the "ON" direction.

- 3. Turn the ignition switch to the "LOCK" position.
- 4. Remove the kev.

If the ignition switch is turned 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.

The "OFF" position (1) is between the "LOCK" and "ACC" positions, although it is not marked on the ignition switch.

MANUAL TRANSMISSION (MT)



The ignition switch includes a device that helps prevent accidental removal of the key while drivina.

The key can only be removed when the ignition switch is in the "LOCK" position.

To turn the ignition switch to the "LOCK" position from the "ACC" or "ON" position, turn the key to the "OFF" position, push the key in, then turn the key to the "LOCK" position.

The "OFF" position (1) is between the "LOCK" and "ACC" positions, although it is not labeled on the ignition switch.

STEERING LOCK

To lock steering wheel

- 1. Turn the ignition switch to the "LOCK" position.
- Remove the key.
- 3. Turn the steering wheel 1/6 of a turn clockwise from the straight up position.

To unlock steering wheel

- 1. Insert the key into the ignition switch.
- 2. Gently turn the ignition switch while rotating the steering wheel slightly right and left.

KEY POSITIONS

LOCK (0)

The ignition key can only be removed at this position.

The steering lock can only be locked at this position.

OFF (1)

The engine is turned off with the steering wheel unlocked.

ACC (2)

The electrical accessory power activates without the engine turned on.

ON (3)

The ignition system and the electrical accessory power activate without the engine turned

PUSH-BUTTON IGNITION SWITCH (model with Intelligent Key system)

START (4)

The engine starter activates and the engine will start. The ignition switch, when released, will automatically turn to the "ON" position.



CAUTION:

As soon as the engine has started, release the ignition switch immediately.

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 (for Automatic Transmission/ Continuously Variable Transmission model) or the shift lever to the "N" (Neutral) position (for Manual Transmission model).

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.

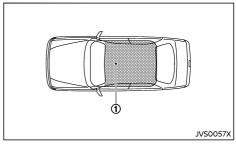


CAUTION:

- 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"

(P.6-9).)

Operating range



The Intelligent Key can only be used for starting the engine when the Intelligent Key is within the specified operating range ① as illustrated.

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 trunk area is not included in the operating range, but the Intelligent Key may function.
- If the Intelligent Key is placed on the instrument panel, rear parcel shelf, 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.

Automatic Transmission (AT)/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 pushing the ignition switch to the "OFF" position, make sure the shift lever is in the "P" (Park) position.

When the ignition switch cannot be switched to the "LOCK" position:

- 1. Move the shift lever to the "P" (Park) position.
- 2. Push the ignition switch to the "OFF" position.
- 3. Open the door. The ignition switch will change to the "LOCK" position.

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 depressed.

STEERING LOCK

The ignition switch is equipped with an antitheft steering lock device.

To lock steering wheel

- 1. Push the ignition switch to 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

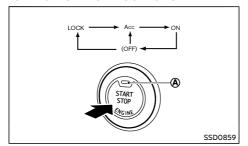
Push the ignition switch, and the steering wheel will be automatically unlocked.



CAUTION:

- If the battery of the vehicle is discharged, the push-button ignition switch cannot be switched from the "LOCK" position.
- If the ignition switch position does not change from the "LOCK" position, push the ignition switch again while rotating the steering wheel slightly to the right and left.

IGNITION SWITCH POSITIONS



When the ignition switch is pushed without depressing the brake pedal (Automatic Transmission/Continuously Variable Transmission model) or the clutch pedal (Manual Transmission model), the ignition switch position will change as follows:

- Push once to change to "ACC".
- Push two times to change to "ON".
- Push three times to change to "OFF".

- Push four times to return to "ACC"
- Open or close any door to return to "LOCK" when in the "OFF" position.

The indicator light (A) on the ignition switch illuminates when the ignition switch is in the "ACC" or "ON" position.

LOCK position

The ignition switch and steering lock can only be locked at this position.

The ignition switch will be unlocked when it is pushed to the "ACC" position while carrying the Intelligent Kev.

ACC position

The electrical accessory power activates at this position without the engine turned on.

ON position

The ignition system and the electrical accessory power activate at this position without the engine turned on.

OFF position

The engine is turned off with the steering wheel unlocked.



WARNING:

Never push the ignition switch to 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.



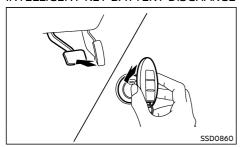
CAUTION:

Do not leave the vehicle for extended periods of time when the ignition switch is in the "ACC" or "ON" position and the engine is not running. This can discharge the battery.

NOTE:

When the ignition switch is pushed while the Idling Stop System (if equipped) is activated, the ignition switch will be placed in the "OFF" position.

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:

Automatic Transmission (AT)/Continuously Variable Transmission (CVT) model:
 Move the shift lever to the "P" (Park) or "N" (Neutral) position.

Manual Transmission (MT) model:

Move the shift lever to the "N" (Neutral) position.

- 2. Firmly depress the brake pedal.
- 3. Touch the ignition switch with the Intelligent Key as illustrated. (A chime will sound.)
- Push the ignition switch while depressing the brake pedal (AT/CVT model) or the clutch pedal (MT model) 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 pedal (AT/CVT model) or the clutch pedal (MT model), the ignition switch position will change to "ACC".

NOTE:

- When the ignition switch is pushed to the "ACC" or "ON" position or the engine is started by the above procedures, the Intelligent Key system warning light may blink in yellow (on the meter) even if the Intelligent Key is inside the vehicle. This is not a malfunction. To stop the warning light from blinking, touch the ignition switch with the Intelligent Key again.
- If the Intelligent Key system warning light in the meter is blinking in green, replace the battery as soon as possible. (See "Battery" (P.8-21).)

STARTING ENGINE (model without Intelligent Key system)

GASOLINE ENGINE

- 1. Apply the parking brake.
- 2. Depress the foot brake pedal.
- Automatic Transmission (AT)/Continuously Variable Transmission (CVT) model:

Move the shift lever to the "P" (Park) or "N" (Neutral) position.

The starter is designed to operate only when the shift lever is in the proper position.

Manual Transmission (MT) model:

Move the shift lever to the "N" (Neutral) position, and depress the clutch pedal to the floor while starting the engine.

The starter is designed to not operate unless the clutch pedal is depressed.

- Crank the engine with your foot off the accelerator pedal by turning the ignition switch to the "START" position.
- 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 to help start the engine.



CAUTION:

 Do not operate the starter for more than 15 seconds at a time. If the engine does not start, turn the ignition switch off 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.
- 6. Allow the engine to idle for at least 30 seconds after starting the engine to warmup. 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.

DIESEL ENGINE

- Apply the parking brake.
- 2. Depress the foot brake pedal.
- 3. Move the shift lever to the "N" (Neutral) position, and depress the clutch pedal to the floor while starting the engine.
- 4. Turn the ignition switch to the "ON" position and wait until the glow plug indicator light m turns off.
- 5. Crank the engine with your foot off the accelerator pedal by turning the ignition switch to the "START" position.
- 6. Immediately release the ignition switch when the engine starts. If the engine starts. but fails to run, repeat the above procedures



CAUTION:

Do not operate the starter for more than 20 seconds at a time. If the engine does not start, turn the ignition switch off and wait 20 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.
- 7. Allow the engine to idle for at least 30 seconds after starting the engine to warmup. 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.

STARTING ENGINE (model with Intelligent Key system)

GASOLINE ENGINE

- Apply the parking brake.
- 2. Automatic Transmission (AT)/Continuously Variable Transmission (CVT) model:

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.

Manual Transmission (MT) model:

Move the shift lever to the "N" (Neutral) position.

The starter is designed to not operate unless the clutch pedal is fully depressed.

The Intelligent Key must be carried when operating the ignition switch.

- 3. Push the ignition switch to the "ON" position. Firmly depress the brake pedal (AT/ CVT model) or the clutch pedal (MT model) 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 or clutch 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, push the ignition switch to 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.
- Allow the engine to idle for at least 30 seconds after starting the engine to warmup. 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.

 To stop the engine, move the shift lever to the "P" (Park) position (AT/CVT model) or move the shift lever to the "N" (Neutral) position (MT model), apply the parking brake and push the ignition switch to the "OFF" position.

DIESEL ENGINE

- Apply the parking brake.
- Move the shift lever to the "N" (Neutral) position.

The starter is designed to not operate unless the clutch pedal is fully depressed. The Intelligent Key must be carried when

operating the ignition switch.

- Push the ignition switch to the "ON" position and wait until the glow plug indicator light m turns off. Depress the clutch pedal and push the ignition switch to start the engine.
 - To start the engine immediately, push and release the ignition switch while depressing the clutch pedal with the ignition switch in any position.
- 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 20 seconds at a time. If the engine does not start, push the ignition switch to the "OFF" position and wait 20 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.
- Allow the engine to idle for at least 30 seconds after starting the engine to warmup. 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.

To stop the engine, move the shift lever to the "N" (Neutral) position, apply the parking brake and push the ignition switch to the "OFF" position.

DRIVING VEHICLE

DRIVING WITH AUTOMATIC TRANSMISSION (AT)

The Automatic Transmission (AT) 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.



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) or "D" (Drive) position while the vehicle is reversing. This could cause an accident or damage to the transmission.
- 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.
- 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.

- 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

- After starting the engine, fully depress the foot brake pedal before shifting the shift lever out of the "P" (Park) position.
- Keep the foot brake pedal depressed and move the shift lever to a driving position.
- Release the parking brake, the foot brake pedal, and then gradually start the vehicle in motion.

The AT 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 gear positions if the ignition switch is placed in the "LOCK", "OFF" or "ACC" position or if the key is removed.

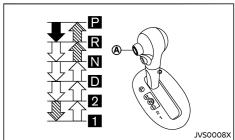


CAUTION:

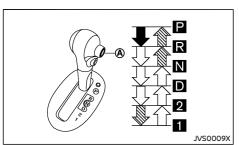
 DEPRESS THE FOOT BRAKE PEDAL - Shifting the shift lever to "D", "R", "2" or "1" without depressing the foot brake pedal causes the vehicle to move slowly when the engine is running. Make sure the foot

- brake pedal is depressed fully and the vehicle is stopped before shifting the shift lever.
- MAKE SURE OF THE SHIFT LEVER POSITION Make sure the shift lever is in the desired position. "D", "2" and "1" are used to move forward and "R" to back up.
- WARM UP THE ENGINE Due to the higher idle 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 gear



Left-Hand Drive (LHD) model



Right-Hand Drive (RHD) model

 Push the button (A) while depressing the foot brake pedal.

Push the button (A).

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.
- 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 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.

If the ignition switch cannot be placed in the "LOCK" position, perform the following steps:

- 1. Apply the parking brake.
- Placed the ignition switch in the ON position while depressing the foot brake pedal.
- 3. Move the shift lever to the "P" (Park) position.
- 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.

2 (Second gear):

Use this position for climbing hills or engine braking on downhill grades.

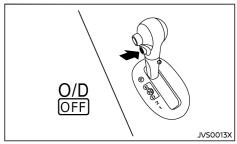
1 (Low gear):

Use this position when climbing steep hills slowly or driving slowly through deep snow, or for maximum engine braking on steep downhill grades.

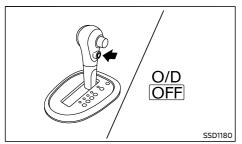
Do not shift into the gears when the vehicle speed exceeds the following limits, otherwise the engine may over-rev and cause engine damage.

Shift lever position		
1	2	
55 km/h (34 MPH)	100 km/h (62 MPH)	

Overdrive switch



Left-Hand Drive (LHD) model



Right-Hand Drive (RHD) model

Each time the engine is started, the overdrive function is automatically reset to "ON".

"ON" position:

With the engine running and the shift lever in the "D" (Drive) position, the transmission upshifts into the overdrive as vehicle speed increases.

Overdrive does not engage until the engine has reached operating temperature.

"OFF" position:

For driving up and down long slopes where engine braking is necessary, push the overdrive switch. The overdrive off indicator light $\frac{00}{\text{OFF}}$ in the meter panel illuminates.

When cruising at a low speed or climbing a gentle slope, you may feel uncomfortable shift shocks as the transmission shifts into and out of the overdrive repeatedly. In this case, push the overdrive switch to turn the overdrive "OFF".

When driving conditions change, push the overdrive switch to turn the overdrive "ON". The overdrive off indicator light will turn off.

Remember not to drive at high speeds for extended periods of time with the overdrive "OFF". This reduces fuel economy.

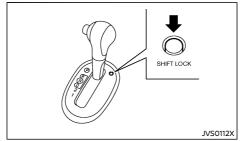
Accelerator downshift - in D (Drive) position -

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.

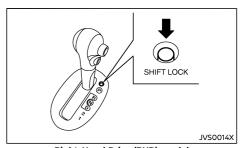
Shift lock release

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.



Left-Hand Drive (LHD) mode



Right-Hand Drive (RHD) modelTo release the shift lock, perform the following

Models with Intelligent KEY system: Place the ignition switch in the "OFF" or "LOCK"

position.

Models without Intelligent KEY system:

Place the ignition switch in the "LOCK" position and remove the key.

2. Apply the parking brake.

procedure

- 3. Depress the shift lock release button.
- Push and hold the shift lever button and move the shift lever to the "N" (Neutral) position while holding down the shift lock release.
- 5. Place the ignition switch in the "ON" position to 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 AT system as soon as possible.

Fail-safe

When the fail-safe operation occurs, the AT will be locked in third gear.

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 in the "OFF" position and wait for 3 seconds. Then turn the ignition switch back to 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.

DRIVING WITH CONTINUOUSLY VARI-ABLE 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.



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. This could cause serious damage to the transmission.
- 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.
- 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.
- 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

- After starting the engine, fully depress the foot brake pedal before moving the shift lever out of the "P" (Park) position.
- Keep the foot brake pedal depressed and move the shift lever to a driving position.
- 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

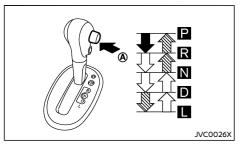
MUST be depressed before shifting from the "P" (Park) position to any driving position while the ignition switch is in the "ON" position.

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 or if the key is removed.



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 OF 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 idle 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.



Push the button (A) while depressing the foot brake pedal.

Push the button (A).

 \Rightarrow Just move the shift lever

Shifting



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.
- 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.

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. Models with Intelligent Key system:

Place the ignition switch in the "OFF" position.

Models without Intelligent Key system:

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.

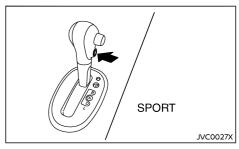
D (Drive):

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.

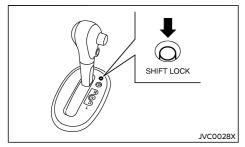
When driving conditions change, push the switch to turn the SPORT mode off.

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 D (Drive) 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 charge is low or discharged, the shift lever may not be moved from the "P" (Park) position even with the brake pedal depressed and the shift lever button pushed.

To move the shift lever, perform the following

procedure:

Model with Intelligent Key system:

Place the ignition switch in the "OFF" or "LOCK" position.

Model without Intelligent Key system:

Place the ignition switch in the "LOCK" position, and remove the key.

- 2. Apply the parking brake.
- 3. Depress the shift lock release button.
- Push the shift lever button and move the shift lever to the "N" (Neutral) position while holding down the shift lock release.

Place the ignition switch in the "ON" position to unlock the steering wheel. The vehicle may be moved to the desired location.

Replace the removed shift lock release cover after the operation.

For model with Intelligent Key system: If the battery is discharged completely, the steering wheel cannot be unlocked. Do not move the vehicle with the steering wheel locked.

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.



WARNING:

If the shift lever cannot be moved from the "P" (Park) position while the engine is running and the brake pedal is depressed, the stop lights may not work. Malfunctioning stop lights could cause an accident injuring yourself and others.

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 in the "OFF" position and wait for 10 seconds. Then turn the ignition switch back to 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 re-

paired if necessary.

DRIVING WITH MANUAL TRANSMISSION (MT)



WARNING:

- Do not downshift abruptly on slippery roads. This may cause a loss of vehicle control.
- Do not over-rev the engine when shifting to a lower gear. This may cause a loss of vehicle control or engine damage.



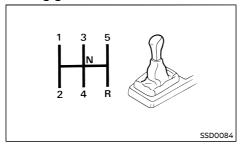
CAUTION:

- Do not rest your foot on the clutch pedal while driving. This may damage the clutch system.
- Fully depress the clutch pedal before shifting to help prevent transmission damage.
- Stop the vehicle completely before shifting into the "R" (Reverse) position.
- When the vehicle is stopped for a period of time, for example waiting at stoplights, shift to the "N" (Neutral) position and release the clutch pedal with the foot brake pedal depressed.
- Do not shift to the "N" (Neutral) position while driving. Doing so may result in an accident due to loss of engine braking.

Starting vehicle

- After starting the engine, depress the clutch pedal to the floor and move the shift lever to the "1" (1st) or "R" (Reverse) position.
- Slowly depress the accelerator pedal, releasing the clutch pedal and parking brake at the same time.

Shifting gear



To change gears, or when upshifting or downshifting, fully depress the clutch pedal, shift into the appropriate gear, then slowly and smoothly release the clutch pedal.

To ensure smooth gear changes, fully depress the clutch pedal before operating the shift lever. If the clutch pedal is not fully depressed before the transmission is shifted, a gear noise may be heard. Transmission damage could occur.

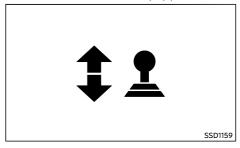
Start the vehicle in the "1" (1st) position and shift to the "2" (2nd), "3" (3rd), "4" (4th) and "5" (5th) gear in sequence according to the vehicle speed.

You cannot shift directly from the "5" (5th) position into the "R" (Reverse) position. First shift into the "N" (Neutral) position, then shift

into the "R" (Reverse) position.

If it is difficult to move the shift lever into the "R" (Reverse) or "I" (1st) position, shift to the "N" (Neutral) position, and then release the clutch pedal once. Fully depress the clutch pedal again and shift into "R" or "I".

Gear shift indicator (if equipped)



The manual transmission gear shift indicator appears in the meter when the driver should shift into a higher or lower gear as indicated by the up or down arrow. The use of the gear shift indicator will help the driver to upshift or downshift at a constant engine speed from any gear according to the preferred operation or road condition.

When the up arrow appears, upshifting is recommended. When the down arrow appears, downshifting is recommended.

Suggested maximum speed in each gear

Downshift to a lower gear if the engine is not running smoothly, or if you need to accelerate.

Do not exceed the maximum suggested speed (shown below) in any gear. For level road driving, use the highest gear suggested for that speed. Always observe posted speed limits, and drive according to the road conditions which will ensure safe operation. Do not overrev the engine when shifting to a lower gear as it may cause engine damage or loss of vehicle control.

HR12DE engine model:

	km/h (MPH)
1st	45 (28)
2nd	82 (51)
3rd	120 (75)
4th	163 (101)
5th	– (–)

HR15DE engine model, 185/70 R14 tire:

	km/h (MPH
1st	46 (29)
2nd	84 (52)
3rd	124 (77)
4th	167 (104)
5th	– (–)

HR15DE engine model, 185/65 R15 tire:

	km/h (MPH)
1st	46 (29)
2nd	83 (52)
3rd	122 (76)
4th	166 (103)
5th	– (–)

HR15DE engine model, 175/70 R14 tire (except for Indonesia, Singapore, Mauritius, Lebanon and Jordan):

	km/h (MPH)
1st	43 (27)
2nd	79 (49)
3rd	116 (72)
4th	157 (98)
5th	– (–)

HR15DE engine model, 175/70 R14 tire (for Indonesia, Singapore and Mauritius):

	km/h (MPH)
1st	45 (28)
2nd	82(51)
3rd	120 (75)
4th	163 (101)
5th	– (–)

HR15DE engine model, 175/70 R14 tire (for Lebanon and Jordan):

	km/h (MPH)
1st	41 (25)
2nd	74 (46)
3rd	109 (68)
4th	147 (91)
5th	– (–)

K9K engine model, 185/70 R14 tire:

	km/h (MPH
1st	37 (23)
2nd	66 (41)
3rd	103 (64)
4th	140 (87)
5th	– (–)

K9K engine model, 185/65 R15 tire:

	km/h (MPH)
1st	36 (22)
2nd	66 (41)
3rd	102 (63)
4th	139 (86)
5th	– (–)

IDLING STOP SYSTEM (if equipped for Thailand)

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:

- when the engine is kept idling without any driving 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 or extremely high.
- when the vehicle is moved.
- when a 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 steering wheel is operated.
- when the Idling Stop System indicator blinks at a low speed.

- when the accelerator pedal is depressed.
- when the shift lever is in the "R" (Reverse) position.
- when the Idling Stop OFF switch is turned on.
- when the electric power steering warning light, the Anti-lock Braking System (ABS) warning light (if equipped) illuminate.
- when the brake pedal is not depressed.
- when stopping the vehicle on sloping roads.
- when the power consumption is large.

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.
- when the battery is replaced or the battery terminal is disconnected for extended periods and then reconnected.

NOTE:

The engine will restart without releasing the brake pedal while the Idling Stop System is activated under the following conditions:

- when the Idling Stop OFF switch is pushed.
- when the accelerator pedal is depressed.
- when the steering wheel is operated.
- when the battery capacity is low.
- when the power consumption is large.
- when the brake pedal is released on sloping roads and the vehicle is moved.
- when the shift lever is placed in the "L" (Low), "D" (Drive) or "R" (Reverse) position from the "N" or "P" position.

 when the negative pressure of the brake system is not sufficiently applied by depressing the brake pedal several times.

Use this system while waiting at 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 driver's door is opened with the Idling Stop System on, the Idling Stop System continues to be activated although the buzzer sounds and the Idling Stop System indicator light blinks.

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 pressing the Idling Stop OFF switch.

OPERATING IDLING STOP SYSTEM

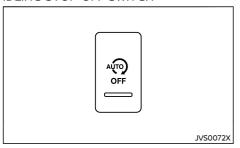
NOTE:

- The engine stops automatically when the brake pedal is depressed with the shift lever in the "D" (Drive) position.
- When the brake pedal is released, the engine restarts automatically.
- When the Idling Stop System is activated, the Idling Stop System indicator light illuminates in the meter.
- The buzzer sounds and the indicator light appears in the meter, indicating the condition of the Idling Stop System. For more details, see "Idling Stop System indicator light (if equipped for Thailand)" (P.2-16) or "Idling Stop System reminder

IDLING STOP SYSTEM (for Hong Kong)

buzzer (if equipped for Thailand)" (P.2-18).

IDLING STOP OFF SWITCH



The system can be temporarily deactivated by pressing the Idling Stop System OFF switch. Pressing the switch a second time or restarting the engine by using the ignition switch will reactivate the Idling Stop System.

- When the Idling Stop System is deactivated while the engine is running, the engine is prevented from automatically stopping.
- When the Idling Stop System is deactivated after the engine has been automatically stopped by the Idling Stop System, the engine will immediately restart if suitable conditions are present. The engine will then be prevented from automatically stopping during the same journey.
- Whenever the Idling Stop System is deactivated the indicator light on the Idling Stop System OFF switch illuminates. In this condition the Idling Stop System cannot prevent unnecessary fuel consumption, exhaust emissions, or noise during your journey.

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:

- when the engine is kept idling without any driving 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 or extremely high.
- when the vehicle is moved.
- when a 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 is open.
- when the steering wheel is operated.

- when the Idling Stop System indicator blinks at a low speed.
- when the accelerator pedal is depressed.
- when the shift lever is in the "R" (Reverse) position.
- when the fan speed control dial is in any position other than "OFF" (0) while the air flow control dial is in the front defogger position (manual air conditioner).
- when the front defogger switch is on (automatic air conditioner).
- when the rear defogger switch is on.
- when the Idling Stop OFF switch is turned on.
- when the electric power steering warning light, the Anti-lock Braking System (ABS) warning light or the Vehicle Dynamic Control (VDC) warning light illuminate.
- when the brake pedal is not fully depressed.
- when stopping the vehicle on sloping roads.
- when the power consumption is large.
- when the vehicle is traveling at altitudes higher than 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.
- when the battery is replaced or the battery terminal is disconnected for extended periods and then reconnected.

NOTE:

The engine will not restart even if the brake pedal is released while the Idling Stop System is activated under the following condition:

• when the shift lever is in the "P" (Parking) position.

NOTE:

The engine will restart without releasing the brake pedal while the Idling Stop System is activated under the following conditions:

- when the Idling Stop OFF switch is pushed.
- when the accelerator pedal is depressed.
- when the steering wheel is operated.
- when the battery capacity is low.
- when the power consumption is large.
- when the brake pedal is released on sloping roads and the vehicle is moved.
- when the force to the brake pedal is reduced while the shift lever is in the "D" (Drive) or "N" (Neutral) position.
- when the shift lever is placed in the "L" (Low), "D" (Drive) or "R" (Reverse) position from the "N" or "P" position.
- when the negative pressure of the brake system is not sufficiently applied by depressing the brake pedal several times.
- when the fan speed control dial is in any position other than "OFF" (0) while the air flow control dial is in the front defogger position (manual air conditioner).
- when the front defogger switch is set to "ON" (automatic air conditioner).
- when the rear defogger switch is set to "ON".

when the driver's seat belt is released or the driver's door is open.

Use this system while waiting at 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 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 pressing the Idling Stop OFF switch.

OPERATING IDLING STOP SYSTEM

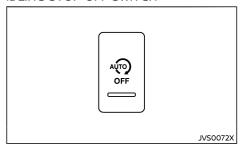
The Idling Stop System indicator light illuminates in the meter while driving if any of the Idling Stop System conditions are met.

- When the brake pedal is depressed to stop the vehicle with the shift lever in the "D" (Drive) position, the engine will stop automatically.
- When you release your foot from the brake pedal, the engine will start automatically.

NOTE:

The Idling Stop System indicator light and a buzzer will inform you of the Idling Stop System status. For more details, see "Idling Stop System indicator light (for Hong Kong)" (P.2-16) or "Idling Stop System reminder buzzer (for Hona Kona)" (P.2-18).

IDLING STOP OFF SWITCH



The system can be temporarily deactivated by pressing the Idling Stop System OFF switch. Pressing the switch a second time or restarting the engine by using the ignition switch will reactivate the Idling Stop System.

- When the Idling Stop System is deactivated while the engine is running, the engine is prevented from automatically stopping.
- When the Idling Stop System is deactivated after the engine has been automatically stopped by the Idling Stop System, the engine will immediately restart if suitable conditions are present. The engine will then be prevented from automatically stopping during the same journey.
- Whenever the Idling Stop System is deactivated the indicator light on the Idling Stop System OFF switch illuminates. In this condition the Idling Stop System cannot prevent unnecessary fuel consumption, exhaust emissions, or noise during your journey.

VEHICLE DYNAMIC CONTROL (VDC) SYSTEM (if equipped)



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 \$\mathfrak{S}\$ 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 \$\overline{S}\$ 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 \$\mathcal{C}\$ 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

- VDC warning light $\frac{1}{2}$ 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 R 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 \Re 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 \$\mathbb{\mathbb{C}}\$ 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 \$\mathbb{\mathbb{C}}\$ illuminates to indicate the VDC system is off. When the VDC OFF switch is used to turn off the

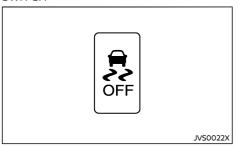
the VDC OFF switch is used to turn off the system, the VDC system still operates to prevent one drive wheel from slipping by transferring power to a non slipping drive wheel. The VDC warning light \$\overline{\pi}\$ flashes if this occurs. All other VDC functions are off and the VDC warning light \$\overline{\pi}\$ 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.2-15) and "Vehicle Dynamic Control (VDC) off indicator light" (P.2-18).

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

CRUISE CONTROL (if equipped)

VEHICLE DYNAMIC CONTROL (VDC) OFF **SWITCH**



The vehicle should be driven with the Vehicle Dynamic Control (VDC) system ON for most driving conditions.

When the vehicle is stuck in mud or snow the VDC system reduces the engine output to reduce wheel spin. The engine speed will be reduced even if the accelerator is depressed to the floor. If maximum engine power is needed to free a stuck vehicle, turn the VDC system off.

To turn off the VDC system, push the VDC OFF switch. The 🙎 indicator light will illuminate.

Push the VDC OFF switch again or restart the engine to turn ON the system.

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



CAUTION:

On Manual Transmission (MT) models, do not shift into "N" (Neutral) without depressing the clutch pedal when the cruise control is set. Should this occur, depress the clutch pedal and turn the cruise control MAIN switch off immediately. Failure to do so may cause engine damage.

PRECAUTIONS ON CRUISE CONTROL

- If the cruise control system malfunctions, it cancels automatically. The cruise control set indicator light and the cruise control on indicator light will blink to warn the driver.
- If the engine coolant temperature becomes excessively high, the cruise control system will be canceled automatically.
- If the cruise control set indicator light and cruise control on indicator light blink, turn off the cruise control MAIN switch and have the system checked by a NISSAN dealer.
- The cruise control set indicator light and cruise control on indicator light may blink when the cruise control MAIN switch is turned on while pushing the ACCELERATE/ RESUME or COAST/SET switch. To properly set the cruise control system, use the following procedures.

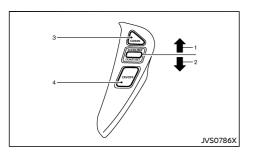
CRUISE CONTROL OPERATIONS

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 10 km/h (6 MPH) below the set speed.

Moving the shift lever to the "N" (Neutral) position (Automatic Transmission models) or depressing the clutch pedal (Manual Transmission models) will cancel the cruise control.

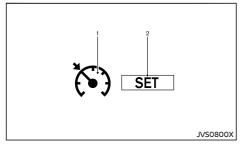
The cruise control switches are located on the steering wheel.



- ACCELERATE/RESUME switch
- COAST/SET switch
- 3. CANCEL switch
- Cruise control MAIN switch

Cruise control indicators

The cruise control operating condition is shown on the instrument panel.



- Cruise control on indicator light
- Cruise control set indicator light

Turning on cruise control

Push the cruise control MAIN switch. The cruise control on indicator light illuminates.

Setting cruising speed

- Accelerate to the desired speed.
- Push the COAST/SET switch and release it.
- 3. The cruise control set indicator light illuminates on the instrument panel.
- 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 COAST/SET switch.
- Push and hold the COAST/SET switch. When the vehicle reaches the desired speed, release the COAST/SET switch.
- Quickly push and release the COAST/SET switch. This will reduce the vehicle speed by about 1 km/h (0.6 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 COAST/SET switch.
- Push and hold the ACCELERATE/RESUME switch. When the vehicle reaches the desired speed, release the ACCELERATE/RE-SUME switch.
- Quickly push and release the ACCELERATE/ RESUME switch. This will increase the vehicle speed by about 1 km/h (0.6 MPH).

Resuming at preset speed:

Push and release the ACCELERATE/RESUME switch.

The vehicle will resume the last set cruising speed when the vehicle speed is over 40 km/h (25 MPH).

Canceling cruising speed

Use any one of the following methods to cancel the set speed.

- Push the CANCEL switch. The cruise control set indicator light turns off.
- Tap the foot brake pedal. The cruise control set indicator light turns off.
- Push the cruise control MAIN switch Both the cruise control set indicator light and the cruise control on indicator light 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

- 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).)

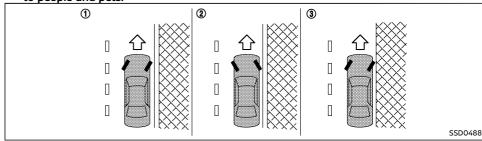
PARKING



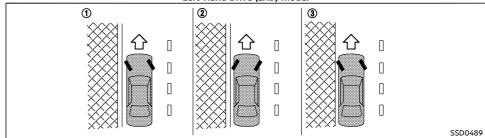
WARNING:

- 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 (Automatic Transmission/Continuously Variable Transmission model) or the shift lever placed in an appropriate gear (Manual Transmission model). 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 (Automatic Transmission/Continuously Variable Transmission model).
- Never leave the engine running while the vehicle is unattended.
- 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.



Left-Hand Drive (LHD) model



Right-Hand Drive (RHD) model

- Firmly apply the parking brake.
- Automatic Transmission (AT)/Continuously Variable Transmission (CVT) model: Move the shift lever to the "P" (Park) position.
 - Manual Transmission (MT) model: Move the shift lever to the "R" (Reverse) position. When parking on an uphill grade, move the shift lever to the "1" (1st) position.
- 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 into 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.

SONAR (parking sensor) SYSTEM (if equipped)

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. Model with Intelligent Key system:

Place the ignition switch in the "OFF" position.

Model without Intelligent Key system:

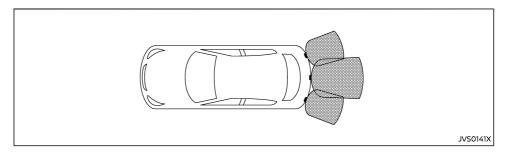
Place the ignition switch in the "LOCK" position and remove the key.

NOTE:

For model with Idling Stop System:

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.





WARNING:

- The sonar (parking sensor) system is a convenience but it is not a substitute for proper parking. Always look around and check that it is safe to do so before parking. Always move slowly.
- Read and understand the limitations of the sonar (parking sensor) system as contained in this section. Inclement weather may affect the function of the sonar (parking sensor) system; this may include reduced performance or a false activation.
- This system is not designed to prevent contact with small or moving objects.
- The system is designed as an aid to the driver in detecting large stationary objects to help avoid damaging the vehicle. The system will not detect small objects below the bumper, and may not detect objects close to the bumper or on the ground.
- If your vehicle sustains damage to the bumper fascia, leaving it misaligned or bent, the sensing zone may be altered

causing inaccurate measurement of obstacles or false alarms.



CAUTION:

Keep the interior of the vehicle as quiet as possible to hear the tone clearly.

The sonar (parking sensor) system sounds a tone to warn the driver of obstacles near the bumper. The system detects rear obstacles when the shift lever is in the "R" (Reverse) position. The system may not detect objects at speeds above 10 km/h (6 MPH) and may not detect certain angular or moving objects.

The sonar (parking sensor) system detects obstacles up to 1.5 m (4.9 ft) from the bumper with a decreased coverage area at the outer corners of the bumper, (refer to the illustration for approximate zone coverage areas). As you move closer to the obstacle, the rate of the tone increases. When the obstacle is less than 30 cm (11.8 in) away, the tone will sound continuously.

Keep the sonar sensors (located on the bumper fascia) free from snow, ice and large accumulations of dirt (do not clean the sensors with

TRAILER TOWING

sharp objects). If the sensors are covered, it will affect the accuracy of the sonar (parking sensor) system.

If the sonar (parking sensor) system malfunctions, the beep sounds for 3 seconds when the shift lever is moved to the "R" (Reverse) position. Have the system checked by a NISSAN dealer.

The beep which indicates a system malfunction is activated by the corner left sensor. The system may not indicate a malfunction if the corner left sensor is not operating.

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 warranty.

ELECTRIC POWER STEERING SYSTEM



WARNING:

- If the engine is not running or is turned off while driving, the power assist for the steering will not work. The 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 harder to operate.

The electric power steering system 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 system 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 system goes down, the power assist level will return to normal. Avoid repeating such steering wheel operations that could cause the electric power steering system 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 **PS** illuminates while the engine is running, it may indicate the electric power steering system is not functioning properly and may need servicing. Have the electric power steering system checked by a NISSAN dealer. (See "Electric power steering warning light" (P.2-13).)

When the electric power steering warning light

BRAKE SYSTEM

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.

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.

For model with Brake Assist: When the brake pedal is depressed slowly and firmly, you may hear a clicking noise and feel a slight pulsation. This is normal and indicates that the Brake Assist System is operating.

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.

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 foot 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.

Driving uphill

When starting on a steep grade, it is sometimes difficult to operate both the brake and clutch (for Manual Transmission model). Apply the parking brake to hold the vehicle. Do not slip the clutch. When ready to start, slowly release the parking brake while depressing the accelerator pedal and releasing the clutch pedal.

Driving downhill

The engine braking action is effective for controlling the vehicle while descending hills. For Manual Transmission (MT) model, the shift lever should be placed in the lower speed position prior to descending. For Automatic Transmission (AT) model, the "1" or "2" position should be selected. For Continuously Variable Transmission (CVT) model, the "L" position should be selected.

ANTI-LOCK BRAKING SYSTEM (ABS) (if equipped)

BRAKE ASSIST (if equipped)

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.

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 slipperv 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 vou. 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.
 - When installing a spare tire, make sure that it is the proper size and type as specified on the tire placard. (See "Tire placard" (P.9-10).)
 - For detailed information, see "Tires and wheels" (P.8-32).

The Anti-lock Braking System (ABS) controls the brakes so the wheels do not lock during hard braking or when braking on slipperv 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 instrument panel. 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.

VEHICLE SECURITY

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.

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 in a safe place such as inside the trunk.
- 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.

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.8-21).

ENGINE COOLANT

If the vehicle is to be left outside without antifreeze, drain the cooling system, including the engine block. Refill before operating the vehicle. For details, see "Changing engine coolant" (P.8-9).

TIRE EQUIPMENT

- 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.
- If the vehicle is to be operated in severe winter conditions, snow tires should be installed on all four wheels.
- 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.

 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. (See "Tire chains" (P.8-32).)

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 the 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 (Automatic Transmission (AT)/Continuously Variable Transmission (CVT) model).
- Place the shift lever in the "1" (1st) or "R" (Reverse) position (Manual Transmission (MT) model).
- 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).

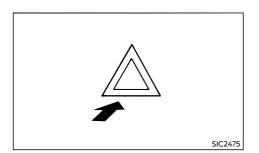
For additional protection against rust and corrosion, which may be required in some areas, consult a NISSAN dealer.

6 In case of emergency

Hazard indicator flasher switch	
Tire Pressure Monitoring System (TPMS) (if equipped)	6-2
Stopping vehicle	
Preparing tools	6-3
Changing flat tire (for model with spare tire)	6-3
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HAZARD INDICATOR FLASHER SWITCH



The hazard indicator flasher switch operates with the ignition switch in any 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

TIRE PRESSURE MONITORING SYSTEM (TPMS) (if equipped)



WARNING:

- If the low tire pressure warning light illuminates while driving, avoid sudden steering maneuvers or abrupt braking. reduce vehicle speed, pull off the road to a safe location and stop the vehicle as soon as possible. Driving with underinflated tires may permanently damage the tires and increase the likelihood of tire failure. Serious vehicle damage could occur and may lead to an accident and could result in serious personal injury. Check the tire pressure for all four tires. Adjust the tire pressure to the recommended COLD tire pressure shown on the tire placard to turn the low tire pressure warning light off. If the light still illuminates while driving after adjusting the tire pressure, a tire may be flat or the TPMS may be malfunctioning. If you have a flat tire, replace it with a spare tire as soon as possible. If no tire is flat and all tires are properly inflated, have the vehicle checked by a NISSAN dealer.
- Since the spare tire is not equipped with the TPMS, when a spare tire is mounted or a wheel is replaced, the TPMS will not function and the low tire pressure warning light will flash for approximately 1 minute. The light will remain on after the 1 minute. Contact a NISSAN dealer as soon as possible for tire replacement and/or system resetting.

- Replacing tires with those not originally specified by NISSAN could affect the proper operation of the TPMS.
- · Do not inject any tire liquid or aerosol tire sealant into the tires, as this may cause a malfunction of the tire pressure sensors.

The Tire Pressure Monitoring System (TPMS) monitors tire pressure of all tires except the spare. When the low tire pressure warning light is lit, one or more of your tires is significantly under-inflated. If the vehicle is being driven with low tire pressure, the TPMS will activate and warn you of it by the low tire pressure warning light (in the meter panel). This system will activate only when the vehicle is driven at speeds above 25 km/h (16 MPH).

For more details, see "Low tire pressure warning light" (P.2-14) and "Tire Pressure Monitoring System (TPMS)" (P.5-4).

STOPPING VEHICLE

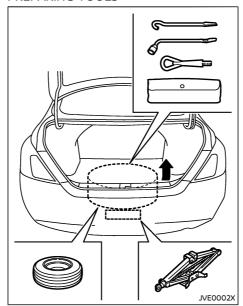


WARNING:

- Be sure to apply the parking brake firmly.
- Be sure to move the shift lever to the "R" (Reverse) position (Manual Transmission (MT) model).
- Be sure to move the shift lever to the "P" (Park) position (Automatic Transmission (AT)/Continuously Variable Transmission (CVT) model).
- Never change or repair tires when the vehicle is on a slope, ice or slippery area. This is hazardous.
- Never change or repair 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.
- Park on a level surface.
- 4. Apply the parking brake.
- 5. Automatic Transmission (AT)/Continuously Variable Transmission (CVT) model: Move the shift lever to the "P" (Park) position.
 - Manual Transmission (MT) model: Move the shift lever to the "R" (Reverse) position.
- 6. Turn off the engine.
- 7. Open the hood and set up the warning triangle (if equipped):
 - 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.

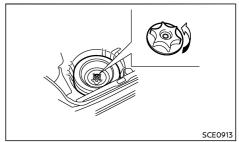
PREPARING TOOLS



Your vehicle is equipped with either a spare tire or an emergency tire puncture repair kit. Carefully read the instructions provided in the appropriate section.

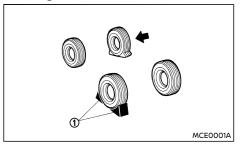
- For model with spare tire: See "Changing flat tire (for model with spare tire)" (P.6-3).
- For model with emergency tire puncture repair kit: See "Repairing flat tire (for model with emergency tire puncture repair kit)" (P.6-6).

CHANGING FLAT TIRE (for model with spare tire)



Remove the jack, necessary tools and the spare tire from the storage area.

Blocking wheels



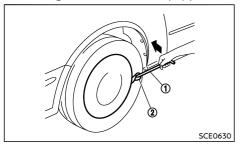


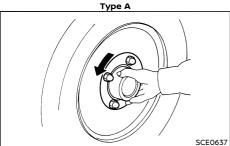
WARNING:

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 \leftarrow to prevent the vehicle from moving when it is jacked up.

Removing wheel cover (if equipped)





Type A:



WARNING:

Never use your hands to remove the wheel cover. This may cause personal injury.

Туре В

To remove the wheel cover, use the jack rod ① as illustrated.

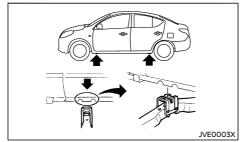
Apply cloth 2 between the wheel and jack rod

to prevent damaging the wheel and wheel cover.

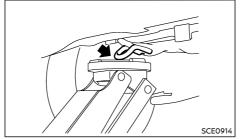
Type B:

Remove the center wheel cap as illustrated.

Jacking up vehicle



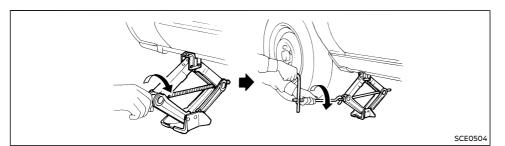
jack-up points



Floor jack-up point

For the rear, never jack up the vehicle at a location other than the floor jack-up point that is specified.

6-4 In case of emergency





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 was 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 necessarv.
- 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.
- When jacking up the vehicle, be sure to apply the parking brake.
- 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 lack should be placed on firm level around.

- 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 lack 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 iack lever.

Removing tire

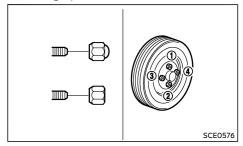
- Remove the wheel nuts.
- 2. Remove the damaged tire.



CAUTION:

The tire is heavy. Be sure that your feet are clear from the tire and use gloves as necessarv to avoid injury.

Installing spare tire





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.

- The temporary-use spare tire (if equipped) is designed for emergency use only.
- 1. Clean any mud or dirt from the surface between the wheel and hub.
- 2. Carefully put the spare 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, more than 2 times in the sequence illustrated (1) - (4), 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.)

Stowing damaged tire and tools



WARNING:

- Be sure that the tire, jack and tools used are properly stored after use. Such items can become dangerous projectiles in an accident or sudden stop.
- 1. Securely store the jack and tools used in the storage area.
- Replace the floor cover.
- 3 Close the trunk lid

REPAIRING FLAT TIRE (for model with emergency tire puncture repair kit)

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.

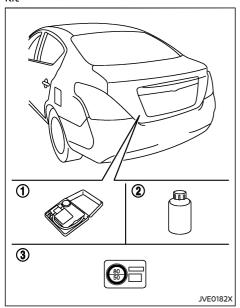


CAUTION:

- 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 6 mm (0.25 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

Getting emergency tire puncture repair kit



Take out the emergency tire puncture repair kit from the storage area under the trunk. The repair kit consists of the following items:

- 1) Air compressor*
- 2 Tire sealant bottle
- (3) Speed restriction sticker
- *: The compressor shape may differ depending on the models

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.

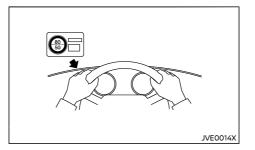
Repairing tire



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.

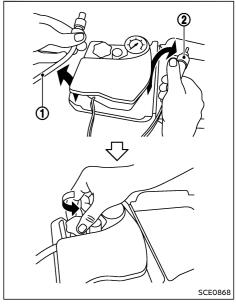


- 1. Take out the speed restriction sticker from the air compressor*, then put it in a location where the driver can see it while driving.
 - *: The compressor shape may differ depending on the models.

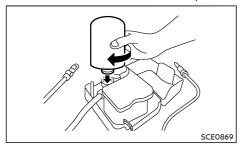


CAUTION:

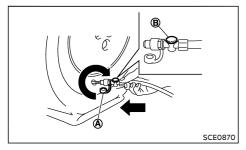
Do not put the speed restriction sticker on the steering wheel pad, the speedometer or the warning light locations.



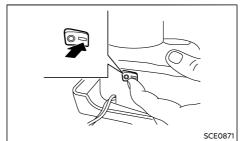
Take the hose ① and the power plug ② out of the air compressor. Remove the cap of the bottle holder from the air compressor.



- Remove the cap of the tire sealant bottle, and screw the bottle clockwise onto the bottle holder. (Leave the bottle seal intact. Screwing the bottle onto the bottle holder will pierce the seal of the bottle.)
- Remove the cap of the tire valve on the flat tire.



 Remove the protective cap (a) of the hose and screw the hose securely onto the tire valve. Make sure that the pressure release valve (b) is securely tightened. Make sure that the air compressor switch is in the OFF (\bigcirc) position, and then insert its power plug into the power outlet in the vehicle.



6. Push the ignition switch to the "ACC" position. Then 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 if possible, 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, adjust the tire pressure by releasing air with the pressure release valve. The cold tire pressures are shown on the tire placard affixed to the driver's side center pillar.



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 off immediately.

- 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 10 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 repair kit. Contact a NISSAN dealer.
- 7. 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 protective cap and valve cap.



CAUTION:

Leave the tire sealant bottle on the bottle holder in order to prevent sealant from spilling out.

- Immediately drive the vehicle for 10 minutes or 3 km (2 miles) at a speed of 80 km/h (50 MPH) or less.
- After driving, make sure that the air compressor switch is in the OFF (O) position, then screw the hose securely onto the tire valve. Check the tire pressure with the pressure gauge.

JUMP STARTING

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 8.

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.

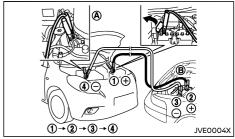
After repairing tire

See a NISSAN dealer for tire repair/replacement as soon as possible.

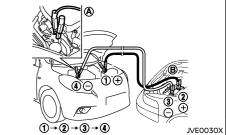


WARNING:

- 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 iump starting.
- Never allow battery fluid to come into contact with eves, 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.



Gasoline engine model



Diesel engine model

If the booster battery is in another vehicle (B), position the two vehicles (A) and (B) to bring the batteries into close proximity to each other



CAUTION:

If the battery of vehicle (A) equipped with the Intelligent Key system 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 (B) before turning the ignition switch and disengaging the steering lock.

- Apply the parking brake.
- 3. Automatic Transmission (AT)/Continuously Variable Transmission (CVT) model: Move the shift lever to the "P" (Park) position.
 - Manual Transmission (MT) model: Move the shift lever to the "N" (Neutral) 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 \oplus to positive \oplus and negative ⊖ to body ground, NOT to the battery's negative \ominus .
- 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 (B) and let it run for a few minutes.
- 10. Depress the accelerator pedal of the booster vehicle (B) at about 2,000 rpm.
- 11. Start the engine of the jumped vehicle (A) 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.
- If the starter motor does not start by pushing the ignition switch, push the ignition switch to the OFF position before trving again.
- 12. After the engine is started, carefully disconnect the jumper cables in the opposite sequence from that illustrated (4), (3), (2), (1)).
- 13. Remove and dispose of the cloth as it may be contaminated with corrosive acid
- 14. Replace the vent caps, if removed.

NOTE:

- For model with Idling Stop System, use the special battery that is enhanced in regard to the charge-discharge capacity and life performance. Avoid using a nonspecial battery for the Idling Stop system, as this may cause early deterioration of the battery or a malfunction of the Idling Stop system. For the battery, it is recommended to use Genuine NISSAN parts. For more information, contact a NISSAN dealer.
- For model with Idling Stop System, 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.

PUSH STARTING

Do not attempt to start the engine by pushing the vehicle



CAUTION:

- Automatic Transmission (AT)/Continuously Variable Transmission (CVT)/Manual Transmission (MT) 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.

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
- Never remove the radiator or coolant reservoir cap while the engine is hot. If the radiator 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 aettina burned.
- Be careful not to allow your hands, hair, iewelry or clothing to come into contact with, or to get caught in the cooling fan or drive belts. The engine cooling fan will start at any time.

If your vehicle is overheating (indicated by the high temperature indicator), 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. Automatic Transmission (AT)/Continuously Variable Transmission (CVT) model: Move the shift lever to the "P" (Park) position.

Manual Transmission (MT) model: Move the shift lever to the "N" (Neutral) position.

DO NOT STOP THE ENGINE.

- 5. Open all windows.
- 6 Turn off the air conditioner Set the temperature control to maximum hot and fan control to maximum 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 (if equipped).
- 13. Add coolant to the reservoir if necessary. Have your vehicle inspected/repaired at a NISSAN dealer

TOWING YOUR VEHICLE

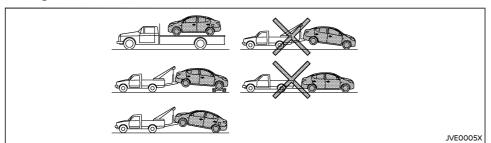
When towing your vehicle, local regulations for towing must be followed. Incorrect towing equipment could damage your vehicle. To assure proper towing and to prevent accidental damage to your vehicle, NISSAN recommends that you have professional road assistance personnel tow your vehicle. It is advisable 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 (front) wheels off the around.

TOWING RECOMMENDED BY NISSAN

Towing Two-Wheel Drive (2WD) model



NISSAN recommends that towing dollies be used under the front wheels when towing your vehicle or the vehicle be placed on a flatbed tow truck as illustrated

Front wheels on the ground:



CAUTION:

Never tow Automatic Transmission (AT)/Continuously Variable Transmission (CVT) model with the front wheels on the ground. Doing so will cause serious and expensive damage to the drivetrain.

Manual Transmission (MT) model:

- Place the ignition switch in the "OFF" position.
- 2. Secure the steering wheel in a straight ahead position with rope or a similar device.
- 3. Move the shift lever to the "N" (Neutral) position.

- 4. Release the parking brake.
- 5. Attach safety chains whenever towing.

Rear wheels on the ground:

- Place the ignition switch in the "OFF" position.
- 2. Secure the steering wheel in a straightahead position with rope or a similar device.
- 3. Move the shift lever to the "N" (Neutral) position.
- 4. Release the parking brake.
- 5. Attach safety chains whenever towing.

All four wheels on the ground:

NISSAN recommends that the vehicle be placed on a flatbed tow truck as illustrated.



CAUTION:

Never tow Automatic Transmission (AT)/Continuously Variable Transmission (CVT) model with all four wheels on the ground. Doing so

will cause serious and expensive damage to the transmission.

Manual Transmission (MT) model:

- 1. Place the ignition switch in the "OFF" position.
- 2. Move the shift lever to the "N" (Neutral) position.
- 3. Release the parking brake.

Freeing trapped vehicle



WARNING:

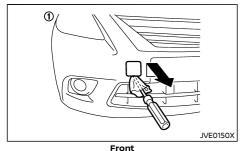
- Never allow anyone to stand near the towing line during the pulling operation.
- Never spin the tires at high speed. This could cause them to explode and result in serious injury. Parts of the vehicle could also overheat and be damaged.
- Except for Indonesia: Do not pull the vehicle using the rear 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 hooks.

- Use the recovery hooks only. Do not attach the pulling device to any other part of the vehicle body. Otherwise, the vehicle body may be damaged.
- Use the recovery hooks to free a vehicle only. Never tow a vehicle using only the recovery hooks.

 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.

Front:

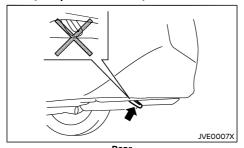


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- Front
 Remove the hook cover from the bumper with a suitable tool.
- ② Securely install the recovery hook as illustrated. (The hook is stored with the jacking tools.)

Make sure that the recovery hook is properly secured in its storage area after use.

Rear (except for Indonesia):



Do not use the hook to tow the vehicle.

MEMO

7 Appearance and care

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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.
- Wash the vehicle surface with a wet sponge and plenty of water.
- 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 waterspotted.
- 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.
- 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, hatches 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.

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 nonabrasive 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 vinvl 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 ammoniabased cleaners as they may 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:

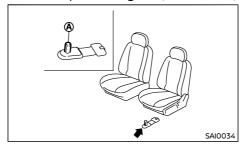
- Hanging-type air fresheners can cause permanent discoloration when they contact vehicle interior surfaces. Place the air freshener in a location that allows it to hang free and not contact an interior surface
- Liquid-type air fresheners typically clip on the vents. These products can cause immediate 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 (driver's side)



This vehicle includes a front floor mat bracket A to act as a floor mat positioning aid. NISSAN floor mats have been specially designed for your vehicle model. The driver's floor mat has a grommet hole incorporated in it.

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.

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.1-6).)

CORROSION PROTECTION

MOST COMMON FACTORS CONTRI-BUTING 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 or broom.
- 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

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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 davto-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 reguires minimal mechanical skill and a few general automotive tools.

These checks or inspections can be done by yourself, a qualified technician, or if you prefer, vour 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 authorized 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.8-5).

EXPLANATION OF GENERAL MAINTE-NANCE 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.

Liahts*:

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.

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/lamps 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)*:

For Manual Transmission (MT) model; make sure that the brake and clutch fluid levels are between the MAX and MIN lines on the reservoirs.

Except for Manual Transmission (MT) model: 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 fraved, worn. cracked or oily.

Engine oil level*:

Check the level after parking the vehicle (on a level around) 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 (Automatic Transmission model/ Continuously Variable Transmission model) or the "N" (Neutral) position (Manual Transmission model).
- 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 vour 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 eve protection whenever vou work on vour vehicle.
 - Never leave the engine or the 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.

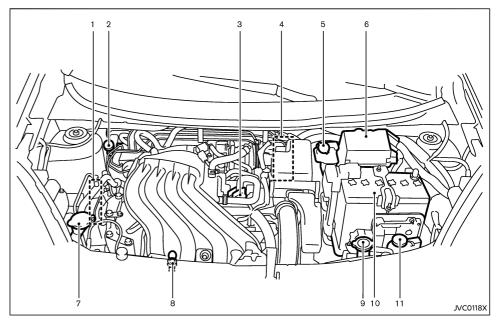
This "8. Maintenance and do-it-yourself" section provides instructions regarding only those items which are relatively easy for an owner

ENGINE COMPARTMENT CHECK LOCATIONS

to perform.

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.

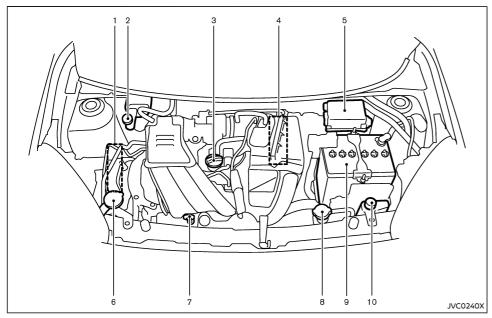
HR15DE ENGINE MODEL



- Engine drive belts
- Brake and clutch* fluid reservoir - Right-Hand Drive (RHD) model
- 3. Engine oil filler cap
- 4. Air cleaner
- Brake and clutch* fluid reservoir - Left-Hand Drive (LHD) model
- Fuse/fusible link box

- 7. Window washer fluid reservoir
- 8. Engine oil dipstick
- Radiator cap
- 10. Battery
- Engine coolant reservoir
- *: For Manual Transmission (MT) Model

HR12DE ENGINE MODEL

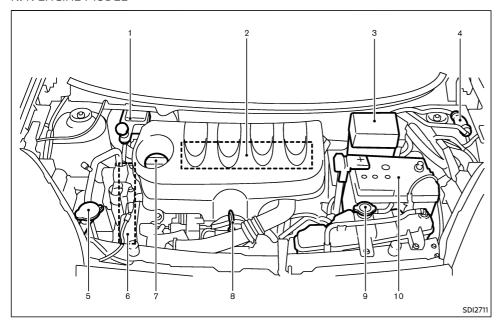


- Engine drive belts
- Brake and clutch* fluid reservoir
- Engine oil filler cap
- Air cleaner
- Fuse/fusible link box
- Window washer fluid reservoir
- Engine oil dipstick
- Radiator cap

- Battery
- 10. Engine coolant reservoir
- *: For Manual Transmission (MT) Model

ENGINE COOLING SYSTEM

K9K ENGINE MODEL



- 1. Brake and clutch fluid reservoir
- 2. Air cleaner
- 3. Fuse/fusible link box
- 4. Priming pump
- 5. Window washer fluid reservoir
- 6. Engine drive belts
- 7. Engine oil filler cap
- Engine oil dipstick

- 9. Engine coolant reservoir
- 10. Battery

A

WARNING:

- Never remove the radiator or coolant reservoir cap when the engine is hot. Serious burns could be caused by highpressure 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:

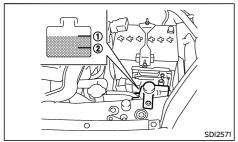
Outside temperature down to		Composition	
°C	°F	Engine coolant (concen- trated)	Deminer- alized or distilled water
-15	5	30%	70%
-35	-30	50%	50%

The use of other types of coolant solutions may damage the engine cooling system.

For HR12DE or HR15DE engine model: 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

HR12DE and HR15DE engine model

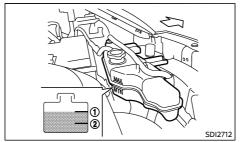


Check the coolant level in the reservoir when the engine is cold. If the coolant level is below the MIN level (2), add coolant up to the MAX level 1). If the reservoir is empty, check the coolant level in the radiator when the engine is cold. If there is insufficient coolant in the radiator, fill the radiator with coolant up to the filler open-

ing and also add it to the reservoir up to the MAX level (1).

If the cooling system frequently requires coolant, have it checked by a NISSAN dealer.

K9K engine model



Check the coolant level in the reservoir when the engine is cold. If the coolant level is below the MIN level 2, add coolant up to the MAX level

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.



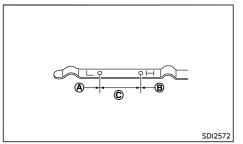
WARNING:

- To avoid being scalded, never change the coolant when the engine is hot.
- Never remove the radiator cap 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 reach of children and pets.

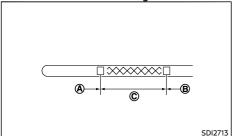
Engine coolant must be disposed of properly. Check your local regulations.

ENGINE OIL

CHECKING ENGINE OIL LEVEL



HR12DE and HR15DE engine model



K9K engine model

- 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).
- 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 (A), remove the oil filler cap and pour the recommended oil into the opening. Do not overfill (B).

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 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.

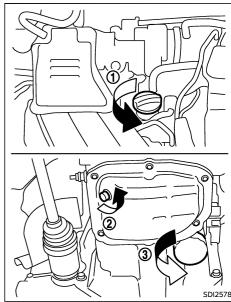
Store used engine oil in marked containers out of the reach of children.



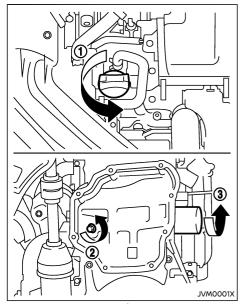
CAUTION:

Waste oil must be disposed of properly. Check your local regulations.

Engine oil replacement (gasoline enaine model)



HR12DE engine model



HR15DE engine model

- Oil filler cap
- Oil drain plug
- Oil filter
- 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).
- Stop the engine.

- 4. Wait at least 10 minutes for the engine oil to drain back to the oil pan.
- 5. Place a large drain pan under the drain pluq.
- 6. Remove the drain plug with a wrench.
- 7. 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. (See "Engine oil filter replacement (gasoline engine model)" (P.8-11).)

8. Clean and reinstall the drain plug and new washer. Securely tighten the drain plug with a wrench. Do not use excessive force.

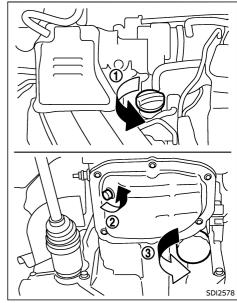
Drain plug tightening torque: 29 to 39 N·m (3.0 to 4.0 kg-m, 21 to 29 ft-lb)

9. Refill the recommended engine oil and quantity. (See "Recommended fluids/lubricants and capacities" (P.9-2).)

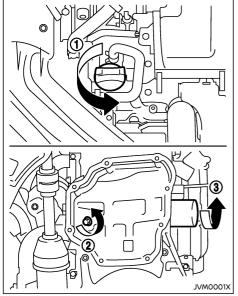
When filling the engine oil, do not remove the dipstick.

- 10. Securely install the oil filler cap.
- 11. Start the engine.
- 12. Check the drain plug for any sign of leakage.
- 13. Check the engine oil level according to the proper procedure. (See "Checking engine oil level" (P.8-10).)

Engine oil filter replacement (gasoline engine model)



HR12DE engine model



HR15DE engine model

- Oil filler cap
- ② Oil drain plug
- 3 Oil filter
- Park the vehicle on a level surface and apply the parking brake.
- 2. Turn the engine off.
- Drain the engine oil according to the proper procedure. (See "Engine oil replacement (gasoline engine model)" (P.8-10).)
- Loosen the oil filter with an oil filter wrench.
 Depending on the engine model, a special

cap type wrench may be required. See a NISSAN dealer for more information.

- 5. Remove the oil filter by turning it by hand.
- 6. Wipe the engine oil filter mounting surface with a clean cloth.

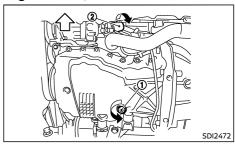
Be sure to remove any old gasket remaining on the mounting surface.

- 7. Apply the new engine oil to the gasket of the new oil filter.
- Screw in the oil filter until a slight resistance is felt, and then tighten an additional 2/3 of turn to secure the oil filter.

Oil filter tightening torque: 15 to 20 N·m (11 to 15 ft-lb)

- Refill the engine oil. (See "Engine oil replacement (gasoline engine model)" (P.8-10).)
- 10. Start the engine and check for leakage around the oil filter. Correct as required.
- 11. Turn the engine off and wait several minutes.
- Check the engine oil level according to the proper procedure. (See "Checking engine oil level" (P.8-10).)

Engine oil and filter replacement (K9K engine model)



- ① Oil drain plug
- ② Oil filter
- Place a large drain pan under the drain plug.
- 2. Remove the drain plug with a wrench.
- 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 entire oil filter mounting surface with a clean cloth.

Be sure to remove any old gasket remaining on the mounting surface.

FUEL FILTER (diesel engine model)

- Apply new engine oil to the gasket on the new oil filter
- Screw in the oil filter until a slight resistance is felt, and then tighten an additional 3/4 of a turn to secure the filter.

Oil filter tightening torque:

16 to 20 N·m (1.6 to 2.0 kg-m, 12 to 15 ft-lb)

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:

16 to 24 N·m (1.6 to 2.4 kg-m, 12 to 18 ft-lb)

- Refill the recommended engine oil and quantity. (See "Recommended fluids/lubricants and capacities" (P.9-2).)
- 11. Securely install the oil filler cap.
- 12. Start the engine.
- Check the drain plug and the oil filter for any sign of leakage.
- Dispose of the used oil in the proper manner. Check your local regulations.
- Check the engine oil level according to the proper procedure. (See "Checking engine oil level" (P.8-10).)

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.

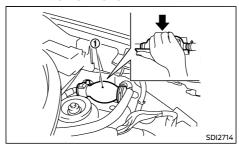
DRAINING WATER

Drain water in the fuel filter according to the maintenance log shown in a separate maintenance booklet.

If the water-in-fuel-filter warning light illuminates while the engine is running, there might be water in the fuel filter.

The fuel filter can be accessed after removing the fuse box and the battery from the vehicle. Therefore, NISSAN recommends that you contact a NISSAN dealer for servicing.

BLEEDING FUEL SYSTEM



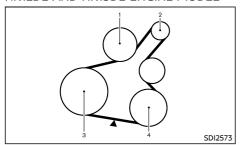
Bleed air out of the fuel system after refilling an empty fuel tank by the following action:

- Squeeze the priming pump ① located in the engine compartment several times until there is a sudden resistance felt in the pressure, then stop.
- Crank the engine until it starts. Do not crank the engine for more than 30 seconds.
- 3. If the engine does not start, stop cranking and repeat step 1 above.

 If the engine does not operate smoothly after it has started, race it two or three times.

DRIVE BELTS

HR12DE AND HR15DE ENGINE MODEL

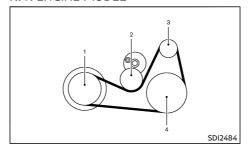


- Water pump
- 2. Alternator
- Crankshaft pulley
- Air conditioner compressor
- Tension checking point

Be sure the ignition switch is in the "OFF" position.

Visually inspect each belt for signs of unusual wear, cuts, fraying or looseness. Check regularly for condition and tension. If the belt is in poor condition or loose, have it replaced or adjusted by a NISSAN dealer.

K9K ENGINE MODEL



- Crankshaft pulley
- Drive belt auto-tensioner
- 3. Alternator
- Air conditioner compressor

Be sure the ignition switch is in the "OFF" position.

Visually inspect each belt for signs of unusual wear, cuts, fraying or looseness. Check regularly for condition and tension. If the belt is in poor condition or loose, have it replaced or adjusted by a NISSAN dealer.

SPARK PLUGS (gasoline engine model)

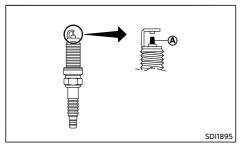


WARNING:

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 (if equipped)

It is not necessary to replace the iridium-tipped A 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

PLATINUM-TIPPED SPARK PLUGS (if equipped)

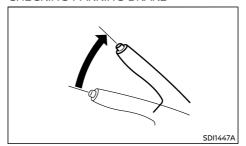
It is not necessary to replace the platinumtipped (A) spark plugs as frequently as the conventional type of spark plugs. These spark plugs are designed to last much longer than the conventional type of spark plugs.



CAUTION:

- Do not reuse the platinum-tipped spark plugs by cleaning or re-gapping.
- · Always replace with the recommended platinum-tipped spark plugs.

CHECKING PARKING BRAKE



From the released position, pull the parking brake lever up slowly and firmly. If the number of clicks is out of the range listed, see a NISSAN dealer.

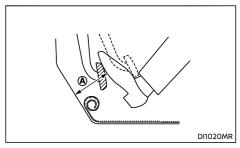
For Thailand, Indonesia, Singapore, Australia and Hong Kong:

10 to 11 clicks Pulling force 196 N (20 kg, 44 lb)

Except for Thailand, Indonesia, Singapore, Australia and Hong Kong:

8 to 9 clicks Pulling 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 (A) between the upper surface of the pedal and the metal floor. If it is out the range listed, see a NISSAN dealer

A: Depressing force 490 N (50 kg, 110 lb) 80 mm (3.15 in) or more

Self-adjusting brakes

Your vehicle is equipped with self-adjusting brakes. The brakes are adjusted by the foot brake pedal operation.

Brake pad wear indicator

The disc brake pads on your vehicle have audible wear indicators. When a brake pad requires replacement, it will make a high pitched scraping or screeching sound when the vehicle is in motion. The noise will be heard whether or not the foot brake pedal is depressed. Have the brakes checked as soon as possible if the wear indicator 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:

- With the engine off, depress and release the foot brake pedal several times. When the foot brake pedal movement (distance of travel) remains the same from one pedal application to the next, continue on to the next step.
- While depressing the foot brake pedal, start the engine. The pedal height should drop a little.
- 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.

BRAKE FLUID



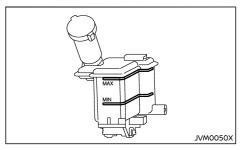
WARNING:

- 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 brake fluid is below the MIN line, the brake warning light will illuminate. Add brake fluid up to the MAX line. (See "Recommended fluids/lubricants and capacities" (P.9-2) for recommended types of brake fluid.)

If the brake fluid must be added frequently, the brake system should be thoroughly checked by

a NISSAN dealer

CLUTCH FLUID (if equipped)



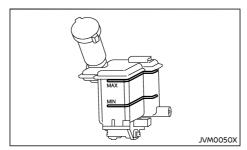
WARNING:

- Use only new fluid from a sealed container. Old, inferior, or contaminated fluid may damage the clutch system.
- Clean the filler cap before removing.
- Clutch fluid is poisonous and should be stored carefully in marked containers out of the reach of children.



CAUTION:

Do not spill the clutch fluid on painted surfaces. This will damage the paint. If clutch 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, add fluid up to the MAX line. (See "Recommended fluids/lubricants and capacities" (P.9-2) for the recommended types of fluid.)

If the fluid must be added frequently, the clutch system should be thoroughly checked by a NISSAN dealer.

AUTOMATIC TRANSMISSION FLUID (ATF) (if equipped)

Contact a NISSAN dealer if checking or replacement is required.



CAUTION:

- Use only Genuine NISSAN Matic S ATF. Do not mix with other fluids.
- Using Automatic Transmission Fluid other than Genuine NISSAN Matic S ATF will cause deterioration in driveability and transmission durability, and may damage the transmission, which is not covered by the warranty.

CONTINUOUSLY VARIABLE TRANSMISSION (CVT) FLUID (if equipped)

Contact a NISSAN dealer if checking or replacement is required.



CAUTION:

- Use only the specified transmission fluid.
 Do not mix with other fluids. (See "Recommended fluids/lubricants and capacities" (P.9-2).)
- Using transmission fluid other than the specified ones will cause deterioration in driveability and transmission durability, and may damage the transmission, which is not covered by the warranty.

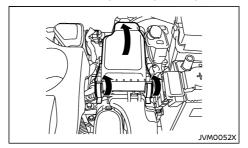
AIR CLEANER FILTER



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.

HR12DE AND HR15DE ENGINE MODEL



To remove the filter, release the lock pins and pull the unit 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 cleaner filter according to the maintenance log shown in a separate maintenance booklet.

K9K ENGINE MODEL

Contact a NISSAN dealer if maintenance or replacement is required.

Replace the air cleaner filter according to the maintenance log shown in a separate maintenance booklet.

WIPER BLADES

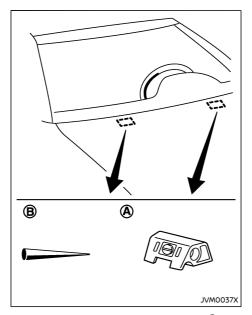
WINDSHIELD WIPER BLADES

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.

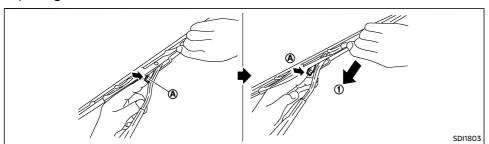
Clean the outside of the windshield surface with a washer solution or mild detergent. Your windshield is clean if beads do not form when rinsing with water.

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 (A). This may cause improper windshield washer operation. If the nozzle is clogged, remove any objects with a needle or small pin (B). Be careful not to damage the nozzle.

Replacing



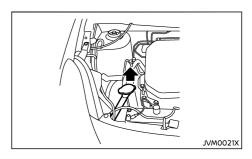
- Lift the wiper arm away from the windshield.
- Push and hold the release tab (A), and then move the wiper blade down the wiper arm to remove (1).
- 3. Remove the wiper blade.
- 4. Insert the new wiper blade onto the wiper arm until it clicks into place.



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.
- Worn windshield wiper blades can damage the windshield and impair driver vision.

WINDOW WASHER FLUID





WARNING:

Anti-freeze is poisonous and should be stored carefully in marked containers out of the reach of children.

Check the fluid level in the window washer reservoir. If the fluid level is low, add window washer fluid.

Add a washer solvent to the water for better cleaning. In the winter season, add a windshield washer anti-freeze. Follow the manufacturer's instructions for the mixture ratio.

BATTERY

VEHICLE BATTERY

(Caution s	ymbols for battery		
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	A	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.	

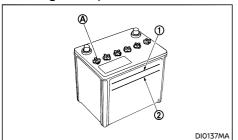
SDI1573

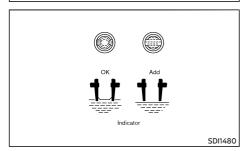


WARNING:

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.

- Remove the cell plugs (A), if equipped.
- 2. Add demineralized/distilled water up to the UPPER LEVEL (1) line.
- 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.

For model with Idling Stop System, see "Jump starting" (P.6-9)

Jump starting

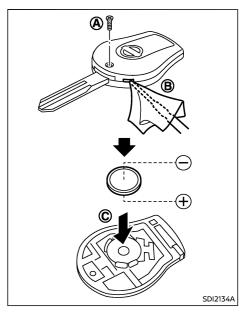
If jump starting is necessary, see "Jump starting" (P.6-9). If the engine does not start by jump starting or the battery does not charge, the battery may have to be replaced. Contact a NISSAN dealer for replacing the battery.

REMOTE CONTROLLER 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 lithium battery is incorrectly replaced. Replace only with the same or equivalent type.



To replace the battery:

- 1. Remove the screw (A).
- Insert a small screwdriver into the slit of the corner (B) and twist it to separate the upper part from the lower part. Use a cloth to protect the casing.
- 3. Replace the battery with a new one.

Recommended battery: CR1620 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 (C).
- 4. Close the lid and install the screw securely.
- 5. Operate the buttons to check its operation. See a NISSAN dealer if you need assistance for replacement.

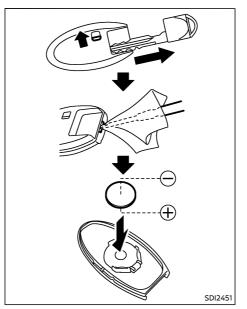
INTELLIGENT KEY BATTERY

Battery replacement



CAUTION:

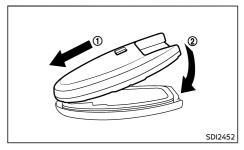
- Be careful not to allow children to swallow the battery and removed parts.
- An improperly disposed battery can harm the environment. Always confirm local regulations for battery disposal.
- · When changing batteries, do not let dust or oil get on the components.
- There is danger of explosion if lithium battery is incorrectly replaced. Replace only with the same or equivalent type.



To replace the battery:

- Release the lock knob at the back of the Intelligent Key and remove the mechanical key.
- 2. Insert a small screwdriver into the slit of the corner and twist it to separate the upper part from the lower part. Use a cloth to protect the casing.
- 3. Replace the battery with a new one.
 - · Recommended battery: CR2025 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)



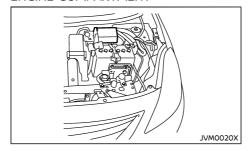
CAUTION:

- 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 completelv.
- Use electrical accessories with the engine running to avoid discharging the vehicle battery.

Your vehicle is equipped with a variable voltage control system. This system measures the amount of electrical discharge from the battery and controls voltage generated by the alternator.

FUSES

ENGINE COMPARTMENT

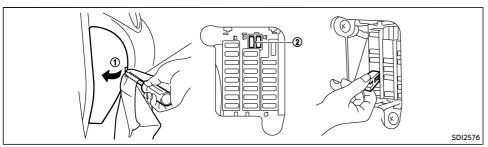


For checking and/or replacing, see a NISSAN dealer.

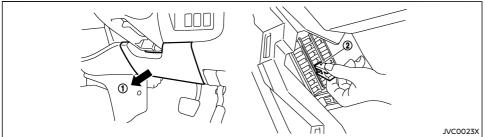
Fusible links

If any electrical equipment does not operate and the fuses are in good condition, check the fusible links. If any of these fusible links are melted, replace only with genuine NISSAN parts.

PASSENGER COMPARTMENT



For all models



For Idling Stop System (if equipped)



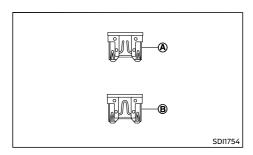
CAUTION:

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.

Be sure the ignition switch is in the "OFF" position.

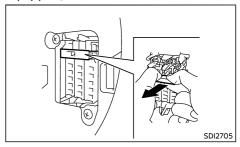
- 2. Be sure the headlight switch is in the "OFF" position.
- 3. Remove the fuse box cover (1) with a suitable tool.
- 4. Locate the fuse that needs to be replaced.
- 5. Remove the fuse using the fuse puller 2).



6. If the fuse is open (A), replace it with a new fuse (B).

If the new fuse also opens, after installing, have the electrical system checked, and if necessary repaired, by a NISSAN dealer.

Extended storage fuse switch (if equipped)



If any electrical equipment does not operate, remove the extended storage fuse switch and check for an open fuse.

LIGHTS

NOTE:

If the extended storage fuse switch malfunctions, or if the fuse is open, it is not necessary to replace the switch. In this case, remove the extended storage fuse switch and replace it with a new fuse of the same rating.

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 storage fuse switch and pull it in the direction illustrated.

HEADLIGHTS

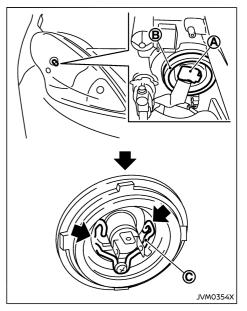
Replacing halogen headlight bulb

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.



- Disconnect the battery negative cable.
- 2. Disconnect the electrical connector (A) from the rear end of the bulb.
- 3. Pull off the rubber cap (B).
- 4. Push and turn the retaining pin (C) to loosen
- 5. Remove the headlight bulb. Do not shake or rotate the bulb when removing it.
- 6. Install the new bulb in the reverse order of removal.



CAUTION:

- When handling the bulb, do not touch the glass envelope.
- Use the same number and wattage as originally installed:

High beam bulb: 60W (H4) Low beam bulb: 55W (H4)

Do not leave the bulb out of the headlight reflector for a long period of time as dust, moisture and smoke may enter the headlight body and affect the performance of the headlight.

Aiming adjustment is not necessary if only the bulbs are replaced. When aiming adjustment is necessary, contact a NISSAN dealer.

Fog may temporarily form inside the lens of the exterior lights in the rain or in a car wash. A temperature difference between the inside and the outside of the lens causes the fog. This is not a malfunction. If large drops of water collect inside the lens, contact a NISSAN dealer.

EXTERIOR LIGHTS

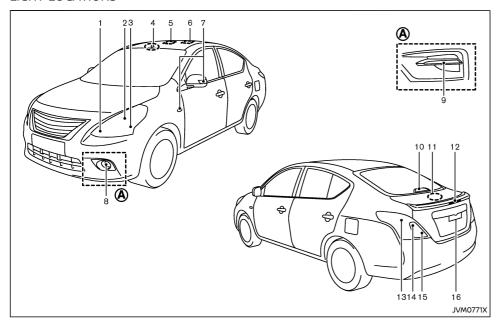
Item	Wattage (W)
Front turn signal light	21
Front clearance light	5
Front fog light (if equipped)	55
Daytime running light (if equipped)	LED
Side turn signal light	
Fender type	5
Outside rearview mirror type*1	LED or 5
Rear combination lights	
Turn signal light	21
Stop/Tail light	21/5
Reverse light	21
Rear fog light (if equipped)	21
High-mounted stop light	LED*2 16*3
License plate light	5

- See a NISSAN dealer for replacement.
- *2: For model with rear spoiler. See a NISSAN dealer for replacement.
- *3: For model without rear spoiler.

INTERIOR LIGHTS

Item	Wattage (W)
Map light (if equipped)	5
Room light	5
Rear reading light (if equipped)	8
Trunk light (if equipped)	3.4

LIGHT LOCATIONS

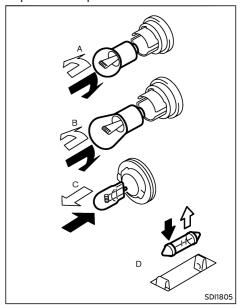


- 1. Front turn signal light
- 2. Headlight
- 3. Clearance light
- 4. Map light (if equipped)
- 5. Room light
- 6. Rear reading light (if equipped)
- 7. Side turn signal light (on the front fender or the outside rearview mirror)

- 8. Front fog light (if equipped)
- 9. Daytime running light (if equipped)
- 10. High-mounted stop light*1
- 11. Trunk light (if equipped)
- 12. High-mounted stop light*2
- 13. Stop/tail light
- 14. Rear turn signal light
- Reverse light or Rear fog light (if equipped)*3

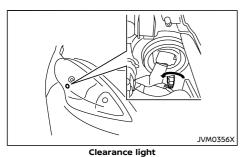
- 16. License plate light
- *1: For model without rear spoiler
- *2: For model with rear spoiler
- *3: For model with rear fog light (driver's side)

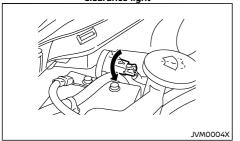
Replacement procedures



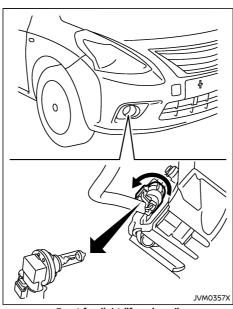


All other lights are either type A, B, C or D. When replacing a bulb, first remove the lens and/or cover.

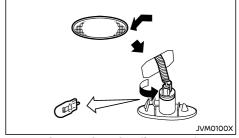




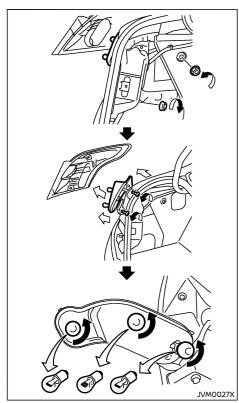
Front turn signal light



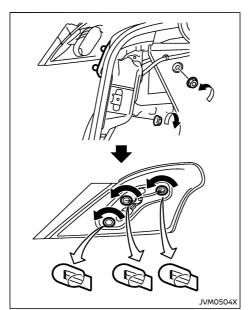
Front fog light (if equipped)



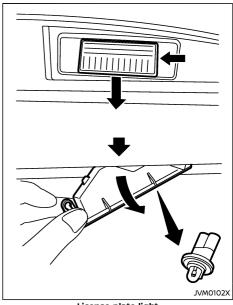
Side turn signal light (fender type)



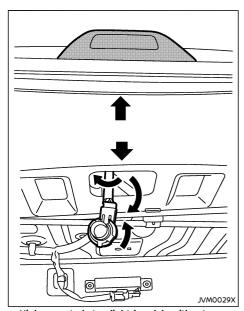
Rear combination light (Type A)



Rear combination light (Type B)

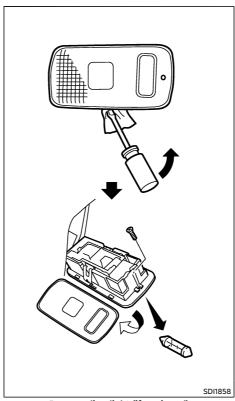


License plate light

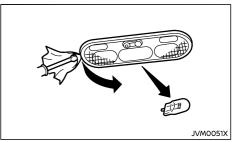


High-mounted stop light (models without rear spoiler)
To replace the high-mounted stop light bulb:

- Open the trunk lid.
- 2. Remove the bulb socket and then replace the bulb.
- 3. Install in the reverse order of removal.



Rear reading light (if equipped)



Map light (if equipped) and Room light SDI1258C

Trunk light (if equipped)

TIRES AND WHEELS

If you have a flat tire, see "Flat tire" (P.6-2).

TIRE PRESSURE MONITORING SYSTEM (TPMS) (if equipped)

The Tire Pressure Monitoring System (TPMS) monitors tire pressure of all tires except the spare. When the low tire pressure warning light is lit, one or more of your tires is significantly under-inflated.

The TPMS will activate only when the vehicle is driven at speeds above 25 km/h (16 MPH). Also, this system may not detect a sudden drop in tire pressure (for example a flat tire while driving).

For more details about the TPMS, see "Tire Pressure Monitoring System (TPMS)" (P.5-4).

For additional information, see "Low tire pressure warning light" (P.2-14).

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. (See "Vehicle identification" (P.9-9) for the location of 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.

TIRE CHAINS

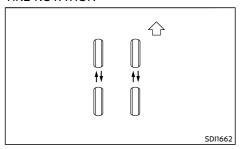
Use of tire chains may be prohibited according to location. Check the local laws before installing tire chains. When installing tire chains, make sure that they are of proper size for the tires on your vehicle and are installed according to the chain manufacturer's instructions.

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. If possible, avoid fully loading your vehicle when using tire chains. In addition, drive at a reduced speed. Otherwise, your vehicle may be damaged and/or vehicle handling and performance may be adversely affected.

Tire chains must be installed only on the front wheels and not on the rear wheels. Never install

tire chains on a temporary-use spare tire (if equipped). Do not use the chains on dry roads.

TIRE ROTATION



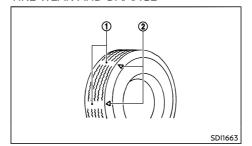
NISSAN recommends that tires be rotated every 10,000 km (6,000 miles). However, the timing for tire rotation may vary according to your driving habits and the road surface conditions. (See "Flat tire" (P.6-2) for the tire replacement.)



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.).
- Do not include the temporary-use spare tire (if equipped) in tire rotation.
- 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



- 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.

Improper service of a spare tire may result in serious personal injury. If it is necessary to repair the spare tire, contact a NISSAN dealer.

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.9-8) 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, Tire Pressure Monitoring System (TPMS) (if equipped), 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.

Confirm the following for the TPMS (if equipped).



WARNING:

- Since the spare tire is not equipped with the TPMS, when a spare tire is mounted or a wheel is replaced, the TPMS will not function and the low tire pressure warning light will flash for approximately 1 minute. The light will remain on after 1 minute. Contact a NISSAN dealer as soon as possible for tire replacement and/or system resetting.
- Replacing tires with those not originally specified by NISSAN could affect the proper operation of the TPMS.
- The TPMS sensor may be damaged if it is not handled correctly. Be careful when handling the TPMS sensor.
- When replacing the TPMS sensor, the ID registration may be required. Contact a NISSAN dealer for ID registration.
- Do not use a valve stem cap that is not specified by NISSAN. The valve stem cap may become stuck.
- Be sure that the valve stem caps are correctly fitted. Otherwise the valve may be cloqued up with dirt and cause a malfunction or loss of pressure.

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.

SPARE TIRE

The spare tire supplied with your vehicle varies depending on the model. See "Tires and wheels" (P.9-8) for applicable spare tire.

Temporary-use spare tire (if equipped)



Spare tire label (if equipped)

A temporary-use spare tire (different size from the original tire) is supplied with your vehicle.

Observe the following precautions if the spare tire must be used, otherwise your vehicle could be damaged or involved in an accident.

Since the spare tire is not equipped with the Tire Pressure Monitoring System (TPMS) (if equipped), when a spare tire is mounted, the TPMS will not function.



CAUTION:

• The spare tire should be used only for emergency. It should be replaced by the standard tire at the first opportunity.

- Drive carefully while the spare tire is installed.
- Avoid sharp turns and abrupt braking while driving.
- Periodically check the spare tire inflation pressure, and always keep it at 420 kPa (4.2 bar, 60 psi). (T125/70D15 95M tire)
- Do not drive your vehicle at speeds faster than 80 km/h (50 MPH).
- Do not use tire chains on a spare tire. Tire chains will not fit properly on the spare tire and may cause damage to the vehicle.
- When driving on roads covered with snow or ice, the spare tire should be used on the rear wheel and the original tire used on the front wheels (drive wheels). Use tire chains only on the front two original tires.
- Tire tread of the spare tire will wear at a faster rate than the original tire. Replace the spare tire as soon as the tread wear indicators appear. (T125/70D15 95M tire)
- Because the spare tire is smaller than the original tire, ground clearance is reduced. To avoid damage to the vehicle do not drive over obstacles. Also do not drive the vehicle through an automatic car wash since it may get caught.
- Do not use the spare tire on other vehicles.
- Do not use more than one spare tire at the same time.

Conventional spare tire (if equipped)

A standard tire (the same size as the original tire) is supplied with your vehicle.

EMERGENCY TIRE PUNCTURE REPAIR KIT (if equipped)

See "Repairing flat tire (for model with emergency tire puncture repair kit)" (P.6-6) for more details.

MEMO

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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.

			Capacity (approximate)		nate)	
	Fluid type		Metric	US	Imperial	Recommended Fluids/Lubricants
		Measure	Measure	Measure		
Fuel		41 L	10-7/8 gal	9 gal	· See "Fuel information" (P.9-4).	
Engine oil* Drain and refill *: For additional information, see "Changing engine oil and oil filter" (P.8-10).	HR12DE HR15DE	with oil filter change	3.0 L	3-1/8 qt	2-5/8 qt	For Thailand and Hong Kong Genuine "NISSAN Motor Oil OW-20 SN" is recommended. If the 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: See "Recommended SAE viscosity number" (P.9-4). For South Africa Genuine "NISSAN Motor Oil 10W-30 SM or SN" is recommended. If the 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 ACEA: A3/B3, A3/B4, A5/B5, C2 or C3
		without oil filter change	2.8 L	3 qt	2-1/2 qt	SAE Viscosity: See "Recommended SAE viscosity number" (P.9-4). For Australia, Indonesia, Singapore, Brunei and Mauritius Genuine "NISSAN Motor Oil 10W-30 SM or SN" is recommended. If the above motor oil is not available, use "NISSAN Motor Oil" or equivalent that matches the following grade and viscosity. Oil grade: API SL, SM or SN, ILSAC GF-3, GF-4 or GF-5 SAE Viscosity: See "Recommended SAE viscosity number" (P.9-4). Except for Thailand, Hong Kong, South Africa, Australia, Indonesia, Singapore, Brunei and Mauritius Genuine "NISSAN Motor Oil 10W-30 SM or SN" is recommended. If the 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: See "Recommended SAE viscosity number" (P.9-4).
	К9К	with oil filter change	4.4 L	4-5/8 qt	3-7/8 qt	Genuine NISSAN engine oil Oil grade: ACEA A3/B4, SAE Viscosity: See "Recommended SAE viscosity number" (P.9-4).
		without oil filter change	4.2 L	4-1/2 qt	3-3/4 qt	

				Capacity (approximate)		nate)	
Fluid type		Metric US Imperial Recommended Fluids/ Measure Measure Measure		Recommended Fluids/Lubricants			
Engine coolant (in-	HR12DE MT model CVT model		5.7 L	6 qt	5 qt	· Genuine NISSAN Engine Coolant (blue) or equivalent	
cluding reservoir tank capacity 0.7 L)			5.8 L	6-1/8 qt	5-1/8 qt	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.	
	HR15DE	For Egypt	gypt MT model	5.6 L	5-7/8 qt	4-7/8 qt	Note that any repairs for the incidents within the engine cooling system while
			AT model	6.0 L	6-3/8 qt	5-1/4 qt	using non-genuine engine coolant may not be covered by the warranty even if such incidents occurred during the warranty period.
		Except for	MT model	6.3 L	6-5/8 qt	5-1/2 qt	such incidents occurred during the warranty period.
		Egypt	AT model	6.1 L	6-1/2 qt	5-3/8 qt	
			CVT mod- el	6.4 L	6-3/4 qt	5-5/8 qt	
	К9К	•		7.6 L	8 qt	6-3/4 qt	
Automatic Transmissic	on (AT) fluid			_	_	_	Genuine NISSAN Matic S ATF NISSAN recommends using Genuine NISSAN Matic S ATF ONLY in NISSAN automatic transmissions. Do not mix with other fluids. Using fluids that are not equivalent to Genuine NISSAN Matic S ATF may damage the automatic transmission. Damage caused by the use of fluids other than as recommended is not covered under the warranty.
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.		
Manual Transmission (MT) gear oil	HR12DE HR15DE			_	_	_	Genuine NISSAN Manual Transmission Fluid (MTF) HQ Multi 75W-85, or equivalent If Genuine NISSAN Manual Transmission Fluid (MTF) HQ Multi is not available, API GL-4, Viscosity SAE 75W-85 may be used as a temporary replacement. However, use Genuine NISSAN Manual Transmission Fluid (MTF) HQ Multi as soon as it is available.
	к9К		_	_	_	 Manual Transmission Fluid (MTF) TRANSELF NFJ 75W-80, or equivalent If Manual Transmission Fluid (MTF) TRANSELF NFJ is not available, API GL-4, Viscosity SAE 75W-80 may be used as a temporary replacement. However, use Manual Transmission Fluid (MTF) TRANSELF NFJ as soon as it is available. 	
Brake and clutch fluid				Refill to the proper fluid level according to			
					ions in the "8. I		Genuine NISSAN Brake Fluid or equivalent DOT 3
				and d	o-it-yourself" s	ection.	Except for Brunei, Mauritius, Thailand, Indonesia, Singapore, Hong Kong and Australia Genuine NISSAN Brake Fluid or equivalent DOT 3 or DOT 4 Never mix different types of fluids (DOT 3 and DOT 4).
Multi-purpose grease				_	_	_	· NLGI No. 2 (Lithium soap base)
Air conditioner system	refrigerant			_	_	_	· HFC-134a (R-134a)
Air conditioner system lubricants		_	_	_	NISSAN A/C System Oil Type R or equivalent		

FUEL INFORMATION

Gasoline engine (model with three-way catalyst)



CAUTION:

Do not use leaded gasoline. Using leaded gasoline will damage the three-way catalyst.

Except for Iraq and Thailand:

Use UNLEADED REGULAR gasoline with an octane rating of at least 91 (RON).

For Irag:

Use UNLEADED PREMIUM gasoline with an octane rating of at least 91 (RON).

For Thailand:

Use UNLEADED REGULAR gasoline or gasohol (up to E20*) with an octane rating of at least 91 (RON).

*: Gasohol is alcohol blended gasoline. For example, "E20" is a mixture of approximately 20% fuel ethanol and 80% unleaded gasoline.

Diesel engine

Diesel fuel of at least 50 cetane.

- *: If two types of diesel fuel are available, use summer or winter fuel properly according to the following temperature conditions.
- Above -7°C (20°F) ... Summer type diesel fuel
- Below -7°C (20°F) ... Winter type diesel fuel.



CAUTION:

Do not use home heating oil, gasoline or other alternate fuels in your diesel engine. The use of those or adding those to diesel fuel can cause engine damage.

Do not use summer fuel at temperatures below -7°C (20°F). The cold temperatures will cause wax to form in the fuel. As a result, it may prevent the engine from running smoothly.

RECOMMENDED SAE VISCOSITY NUM-BER

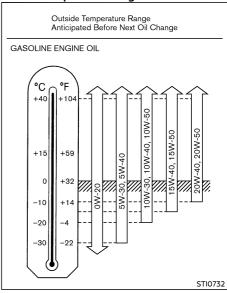
Gasoline engine oil

For Thailand and Hong Kong:

0W-20 is preferable.

If OW-20 is not available, select the viscosity, from the chart below, that is suitable for the

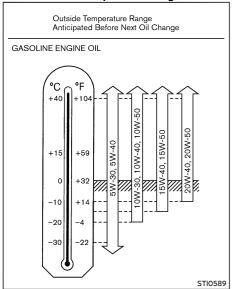
outside temperature range.



Except for Thailand and Hong Kong:

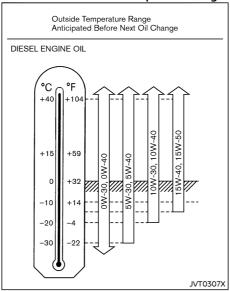
10W-30 is preferable.

If 10W-30 is not available, select the viscosity, from the chart below, that is suitable for the outside temperature range.



Diesel engine oil

5W-30 or 15W-40 is preferable. If 5W-30 or 15W-40 is not available, select the viscosity, from the chart below, that is suitable for the outside temperature range.



AIR CONDITIONER SYSTEM REFRIGER-ANT AND LUBRICANT

The air conditioner system of your vehicle must be charged with the refrigerant HFC-134a (R134a) and the lubricant NISSAN A/C System Oil Type R or equivalents. 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 HFC-134a (R-134a) in your vehicle will not harm the Earth's ozone laver. 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 i	Model	HR12DE	HR15DE		K9K	
Туре			Gasoline, 4-cycle, DOHC	Gasoline, 4-cycle, DOH	С	Diesel, 4-cycle	
Cylinder arrangement		3-cylinder, in-line	4-cylinder, in-line		4-cylinder, in-line		
Bore × St	troke	mm (in)	78.0 × 83.6 (3.071 × 3.291)	78.0 × 78.4 (3.071 × 3.087)		76.0 × 80.5 (2.992 × 3.169)	
Displace	ment	cm³ (cu in)	1,198 (73.10)	1,498 (91.41)		1,461 (89.15)	
	ed at the "N" position	rpm	MT: 750±50 CVT: 750±50	MT: 650±50 AT: 700±50 CVT: 700±50		MT: 800±50	
Ignition t	timing (B.T.D.C.)		MT: 12°±2 CVT: 9°±2	MT: 5°±2 AT: 5°±2 CVT: 7°±2		-	
Spark plugs		Standard	FXE20HR11*1 DILKAR6A11*2	REA12WMB4*3 LZKAR6AP-11*4	REA12MC4*5	-	
	Spark plug gap	mm (in)	1.1 (0.043)	1.1 (0.043)*3*4	1.0 to 1.1 (0.039 to 0.043)*5	-	
Camshaft operation		Timing chain	Timing chain		Timing belt		

^{*1:} Except for Hong Kong

^{*2:} For Hong Kong

^{*3:} For MT model and AT model, except for Iraq

^{*4:} For CVT model

^{*5:} For Iraq

TECHNICAL CHARACTERISTICS (for Gulf Standard models)

Engine model		HR15DE
Maximum net power	kW/rpm	73/6,000
Maximum net torque	N·m/rpm	134/4,000
Maximum speed*1	km/h (MPH)	AT: 170 (106) MT: 183 (114)

^{*1:} Gulf Standard requires automobile manufacturers to indicate the maximum vehicle speed for applicable models. The maximum vehicle speed, listed above, is the measured speed under certain testing conditions. The actual value may differ according to the vehicle usage and road and environmental conditions. NISSAN recommends you to ALWAYS observe posted speed limits and never drive too fast for conditions.

TIRES AND WHEELS

	Standard*1		Spare*2	
Tire size	175/70 R14 84	H	T125/70 D15 95M*3	
	185/65 R15 88 185/65 R15 88		185/70 R14 88S*4	
	175/70 R14 84 175/70 R14 84 185/70 R14 88	ŧΤ	175/70 R14 84H 175/70 R14 84T 185/70 R14 88S	
	185/65 R15 88	H	185/65 R15 88H	
		Size	Offset mm (in	
Road wheel	Steel	Size 14× 5-1/2J 15 ×5-1/2J 15 ×5-1/2JJ	Offset mm (in 40 (1.57) 40 (1.57) 40 (1.57)	
Road wheel	Steel Aluminum alloy wheel	14× 5-1/2J 15 ×5-1/2J	40 (1.57)	

*1:	See the tire placard on	vour vehicle for the	e recommended cold tire pressure
" II	see the the placard on	your verticle for the	e recommended cold life pres:

^{*2:} The emergency tire puncture repair kit is supplied except for model with spare tire.

For India:

Tires & tubes fitted in the vehicle, as per clause 3(c) & 3(e) meet the requirement of BIS and comply with the requirements under the Central Motor Vehicle Rules (CMVR), 1989.

15 ×4T

DIMENSIONS

	Unit: mm (in)
Overall length	4,455 (175.4) 4,512 (177.6)*1
Overall width	1,695 (66.7)
Overall height	1,495 (58.9)*2 1,510 (59.4)*3 1,515 (59.6)
Front tread	1,480 (58.3)
Rear tread	1,485 (58.5)
Wheelbase	2,590 (102.0)*4 2,600 (102.4)

^{*1:} Model with daytime running light

40 (1.57)

^{*3:} Temporary use only, for Hong Kong

^{*4:} Temporary use only, for India

^{*2:} For Hong Kong

^{*3:} Model with 175/70 R14 tire, except for Thailand, Indonesia, Singapore and Hong Kong

^{*4:} For the Middle East

WHEN TRAVELLING OR REGISTERING IN ANOTHER COUNTRY

When planning to travel in another country or region, find out whether the fuel required for vour 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 "Fuel information" (P.9-4).

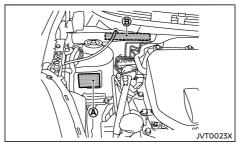
When transferring the registration of your vehicle to another country, state, province or district, contact the appropriate authorities to find out that the vehicle complies with the local legal requirements. In some cases, a vehicle cannot meet the legal requirements, and it may be necessary to modify 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 plate is affixed as shown (A).

Built date (if equipped)

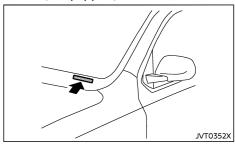
Built date is stamped on the vehicle identification plate.

The built date means the calendar month and the year in which the body shell and power train subassemblies are conjoined and the vehicle is driven or moved from the production line.

VEHICLE IDENTIFICATION NUMBER (VIN)

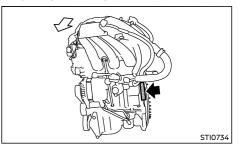
The vehicle identification number is stamped as shown (B).

VEHICLE IDENTIFICATION NUMBER (VIN) PLATE (if equipped)

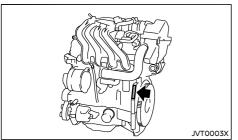


The vehicle identification number plate is affixed as shown.

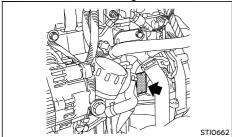
ENGINE SERIAL NUMBER



HR12DE engine



HR15DE engine

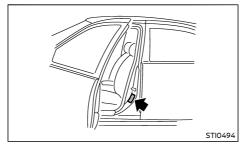


K9K engine

CERTIFICATION LABEL (if equipped)

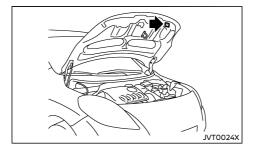


TIRE PLACARD



The cold tire pressures are shown on the tire placard affixed to the driver's side center pillar.

AIR CONDITIONER SPECIFICATION LA-



UNIFORM TIRE QUALITY GRADING (if equipped)

Quality Grades: All passenger car tires must conform to local safety requirements in addition to these grades.

Quality grades can be found where applicable on the tire sidewall between tread shoulder and maximum section width. For example:

Treadwear 200 Traction AA Temperature A

TREADWEAR

The treadwear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course. For example, a tire graded 150 would wear one and one-half (1 1/2) times as well on the government course as a tire graded 100. The relative performance of tires depends upon the actual conditions of their use, however, and may depart significantly from the norm due to variations in driving habits, service practices and differences in road characteristics and climate.

TRACTION AA, A, B AND C

The traction grades, from highest to lowest, are AA, A, B, and C. Those grades represent the tire's ability to stop on wet pavement as measured under controlled conditions on specified government test surfaces of asphalt and concrete. A tire marked C may have poor traction performance.



WARNING:

The traction grade assigned to this tire is based on straight-ahead braking traction tests, and does not include acceleration, cornering, hydroplaning, or peak traction characteristics.

TEMPERATURE A, B AND C

The temperature grades are A (the highest), B, and C, representing the tire's resistance to the generation of heat and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel. Sustained high temperature can cause the material of the tire to degenerate and reduce tire life, and excessive temperature can lead to sudden tire failure. The grade C corresponds to a level of performance which all passenger car tires must meet under the local regulations. Grades B and A represent higher levels of performance on the laboratory test wheel than the minimum required by law.



WARNING:

The temperature grade for this tire is established for a tire that is properly inflated and not overloaded. Excessive speed, under-inflation, or excessive loading, either separately or in combination, can cause heat build-up and possible tire failure.

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.

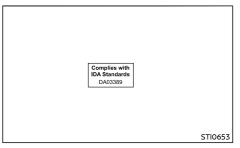
RADIO APPROVAL NUMBER AND INFORMATION

FOR THAILAND

This telecommunication equipment conforms to NTC technical requirement.

- Remote keyless entry system (if equipped)
- Intelligent Key system (if equipped)
- NISSAN Anti-Theft System (NATS) (if equipped)

FOR SINGAPORE



- NISSAN vehicle immobilizer system (if equipped)
- Remote control keyless system (if equipped)
- Intelligent Key system (if equipped)



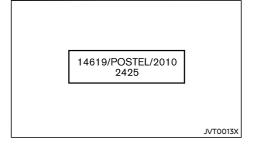
Body Control Module (BCM)

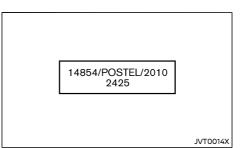
FOR INDONESIA

Intelligent Key system (if equipped)

16024/POSTEL/2010 2425 JVT0060X

Remote keyless entry system (if equipped)





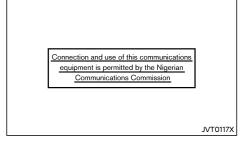
NISSAN Anti-Theft System (NATS) immobilizer (if equipped)

17009/POSTEL/2010 2425 JVT0061X

01737/POSTEL/2009 1708 JVT0062X Body Control Module (BCM)

22121/POSTEL/2011 1708 JVT0139X

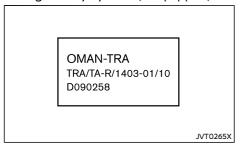
FOR NIGERIA



- Remote control keyless system (if equipped)
- NISSAN vehicle immobilizer system (if equipped)

FOR OMAN

Intelligent Key system (if equipped)

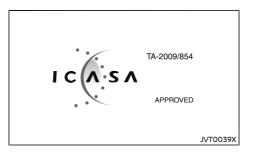


Body Control Module

FOR SOUTH AFRICA

Remote keyless entry system (if equipped)





Bluetooth® Hands-Free Phone System (if equipped)



FOR JORDAN

Intelligent Key system (if equipped) Contains Module approved by TRC/LPD/ 2010/34

Contains Module approved by TRC/LPD/ 2013/206

Contains Module approved by TRC/LPD/2013/3

Remote keyless entry system (if equipped)

Contains Module approved by TRC/LPD/ 2009/109

Tuner

Contains Module approved by TRC/LPD/ 2008/125

Bluetooth® Hands-Free Phone System (if equipped for type D audio)

Contains approved Bluetooth Module VBTDC15

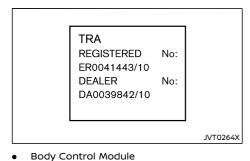
Type approval No.: TRC/LPD/2013/41

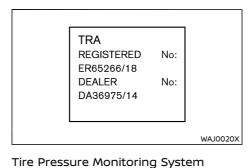
FOR THE UNITED ARAB EMIRATES

Intelligent Key system (if equipped)



Intelligent Key

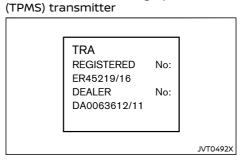




NISSAN Anti-Theft System (NATS) im-

mobilizer and Intelligent Key system (if equipped)





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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.

Except for Iraq and Thailand:

Use UNLEADED REGULAR gasoline with an octane rating of at least 91 (RON).

For Iraq:

Use UNLEADED PREMIUM gasoline with an octane rating of at least 91 (RON).

For Thailand:

Use UNLEADED REGULAR gasoline or gasohol (up to E20*) with an octane rating of at least 91 (RON).

*: Gasohol is alcohol blended gasoline. For example, "E20" is a mixture of approximately 20% fuel ethanol and 80% unleaded gasoline.

Diesel engine

Diesel fuel of at least 50 cetane.

- *: If two types of diesel fuel are available, use summer or winter fuel properly according to the following temperature conditions.
- Above -7°C (20°F) ... Summer type diesel fuel.
- Below -7°C (20°F) ... Winter type diesel fuel.



CAUTION:

- Do not use home heating oil, gasoline or other alternate fuels in your diesel engine. The use of those or adding those to diesel fuel can cause engine damage.
- Do not use summer fuel at temperatures below -7°C (20°F). The cold temperatures will cause wax to form in the fuel. As a result, it may prevent the engine from running smoothly.

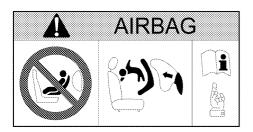
RECOMMENDED ENGINE OIL

See "Recommended fluids/lubricants and capacities" (P.9-2).

TIRE COLD PRESSURE

See the tire placard affixed to the driver's side center pillar.

AIR BAG LABEL (if equipped)



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.

NE JAMAIS utiliser un dispositif de retenue pour enfant de type dos à la route sur un siège protégé par un AIRBAG ACTIVÉ placé devant lui. Cela peut entrainer la MORT de l'ENFANT ou des BLESSURES GRAVES.

Installieren Sie niemals ein entgegen der Fahrtrichtung angeordnetes Kinderrückhaltesystem auf einem Sitz mit aktiviertem Frontairbag. Es könnte zum Tod oder schweren Verletzungen des Kindes führen.

No instalar nunca los sistemas de retención para niños (sillitas de niño) de espaldas al sentido de la marcha en el asiento del pasajero protegido por un AIRBAG frontal ACTIVO. Esto puede provocar la MUERTE del niño o DAÑARI E SERIAMENTE.

«NON INSTALLARE MAI un seggiolino per bambini rivolto con verso opposto al senso di marcia su un sedile protetto da un AIRBAG frontale ATTIVO. In caso di incidente questo potrebbe risultare molto pericoloso per l'incolumità del bambino.»

Plaats nooit een kinderzitje achterstevoren op de passagiersstoel voorin als de airbags van de voorpassagier niet zijn uitgeschakeld. Dit kan ernstige of zelfs dodelijke verwondingen van het kind veroorzaken.

NUNCA utilize um sistema de retenção de criança virado para a traseira num banco protegido por um AIRBAG ACTIVO à sua frente, porque pode ocorrer MORTE ou FERIMENTOS GRAVES na CRIANCA.

W żadnym przypadku NIE NALEŻY stosować fotelików dla dzieci skierowanych twarzą do tyłu przed siedzeniami chronionymi AKTYWNĄ PODUSZKĄ POWIETRZNĄ. Może to doprowadzić do POWAŻNYCH OBRAŻEŃ lub nawet ŚMIERCI DZIECKA.

NIKDY nepoužívejte dětskou sedačku směřující dozadu na sedadle s AKTIVNÍM čelním AIRBAGEM, mohlo by dojít k USMRCENÍ nebo VÁŽNÉMU ZRANĚNÍ DÍTĚTE.

Önünde AKTİF BİR HAVA YASTIĞI ile korununan bir koltuğa hiç bir zaman yüzü geriye bakan bir çocuk koltuğu KOYMAYIN, bu ÇOCUĞUN ÖLÜMÜNE veya CİDDİ ŞEKİLDE YARALANMASINA neden olabilir.

Nu folosiți NICIODATĂ un scaun pentru copil cu spatele la direcția de deplasare pe un scaun protejat de un AIRBAG ACTIV amplasat în fața sa, deoarece există riscul de DECES sau RĂNIRE GRAVĂ a copilului.

SOHA ne használjon hátrafelé néző gyermekülést olyan ülésen, amelyet elölről AKTÍV LÉGZSÁK véd, mert az a GYERMEK HALÁLÁT vagy SÚLYOS SÉRÜLÉSÉT okozhatja.

"ΑΠΑΓΟΡΕΥΕΤΑΙ η τοποθέτηση παιδικού καθίσματος, με την πλάτη προς το εμπρόσθιο μέρος του αυτοκινήτου, στο κάθισμα του συνοδηγού, επειδή μπροστά του υπάρχει ΕΝΕΡΓΟΣ ΜΕΤΩΠΙΚΟΣ ΑΕΡΟΣΑΚΟΣ. Μπορεί να επέλθει, ΘΑΝΑΤΟΣ ή ΣΟΒΑΡΟΣ ΤΡΑΥΜΑΤΙΣΜΟΣ του ΠΑΙΔΙΟΥ".

Använd ALDRIG en bakåtvänd barnstol på ett säte som skyddas av en AKTIVERAD AIRBAG framför det; LIVSFARA eller risk för ALLVARLIGA SKADOR.

ÄLÄ KOSKAAN käytä kasvot taaksepäin suunnattua lastenistuinta istuimella, jossa on KÄYTÖSSÄ OLEVA TURVATYYNY. Seurauksena voi olla KUOLEMA tai LAPSEN VAKAVA LOUKKAANTUMINEN.

Brug ALDRIG et bagudvendt barnesæde på et sæde, der er beskyttet af en AKTIV AIRBAG foran det. Det kan resultere i DØD eller ALVORLIG PERSONSKADE på BARNET.



NEMOJTE upotrebljavati sjedalicu za djecu okrenutu prema natrag na sjedalu ispred kojega se nalazi zaštićeni AKTIVNI ZRAĆNI JASTUK, može doći do SMRTONOSNIH ili OZBILJNIH OZLJEDA za DIJETE.

NIKOLI ne namestite otroškega sedeža, obrnjenega v nasprotni smeri smeri vožnje, v primeru VKLOPLJENE varnostne blazine. To lahko povzroči OTROKOVO SMRT ali HUDE TELESNE POŠKODBE.

Никогда не устанавливайте обращенное назад детское удерживающее сиденье на переднем пассажирском сиденье при неотключенной подушке безопасности. Это может привести к смерти ребенка или к тяжелым повреждениям.

NIKDY nepoužívajte detskú sedačku smerujúcu dozadu na sedadle s AKTÍVNYM čelným AIRBAGOM, mohlo by prisť k USMRTENIU alebo VÁŽNEMU ZRANENIU DIEŤAŤA.

NEIEVIETOJIET ar skatu pretēji braukšanas virzienam vērstu bērnu sēdeklīti šajā sēdeklī, ja tā priekšā uzstādītais GAISA SPILVENS ir AKTIVIZĒTS, — tas BĒRNAM var radīt NOPIETNAS TRAUMAS vai pat izraisīt BĒRNA NĀVI.

ÄRGE kasutage seljaga sõidusuunas laste turvatooli istmel, mille ees on AKTIIVNE TURVAPADI. LAPS võib saada TÕSISE KEHAVIGASTUSE või HUKKUDA.

NIEKADA nevežkite vaikų prie automobilio sėdynės atvirkščiai judėjimo krypčiai pritvirtintoje specialioje kėdutėje, jeigu ši sėdynė apsaugota VEIKIANČIA SAUGOS PAGALVE, nes VAIKUI kyla MIRTINAS ar SUNKAUS SUŽEIDIMO pavojus.

Ніколи не встановлюйте дитяче крісло спинкою вперед на сидінні, передня ПОДУШКА БЕЗПЕКИ якого не заблокована. Ризик ЗАГИБЕЛІ або ТЯЖКИХ ТРАВМ дитини.

"Никога на използвайте детско столче за автомобил, монтирано с гръб към движението, на седалка оборудвана с предпазна въздушна възглавница пред нея. Съществува риск за живота или сериозно нараняване на детето!"

يحذر نهائيًا تثبيت مقعد الطفل بشكل عكسي على القعد المحمي بوسادة هوائية نشطة أمام مقعد الطفل، فمن الممكن أن يتسبب ذلك في وفاة الطفل أو إصابته بجروح خطيرة

NUNCA utilize uma cadeirinha protetora para crianças voltada para a traseira em um assento que seja protegido por um AIRBAG ATIVO na frente do assento. Podem ocorrer MORTE ou FERIMENTOS GRAVES para a CRIANÇA.

هرگز از کمریند کودک رو به پشت در روبروی صندلی حفاظت شده توسط ACTIVE AIRBAG (کیسه هوای فعال) استفاده نکنید. این کار ممکن است باعث مرگ یا جراحت شدید در کودک شود.

절대로 능동형 에어백이 전면에 설치된 좌 석에 후향식 어린이 보호시트를 사용하지 마십시오. 어린이에게 심각한 상해를 입히거 나 사망에 이르게 할 수 있습니다.

前部に作動可能なエアバッグが装着されて いるシートに、後ろ向きのチャイルドシート を絶対に使用しないでください。お子様に 死や大けがを招く恐れがあります。

禁止在座椅前部安全气囊激活的情况下,在 该座椅上使用后向儿童安全座椅,可能造成 儿童严重受伤甚至死亡。

QUICK REFERENCE

- In case of emergency ... (P.6-1) (Flat tire, engine will not start, overheating, towing)
- How to start the engine ... (P.5-1)
- How to read the meters and gauges ... (P.2-1)
- Maintenance and do-it-yourself ... (P.8-1)
- Technical information ... (P.9-1)