

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 kilometres (miles) of driving pleasure. Please read through this manual before operating your vehicle.

A separate Warranty Information & Maintenance Booklet explains in detail the warranty coverage that applies to your vehicle.

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

IMPORTANT SAFETY INFORMATION

REMINDERS FOR SAFETY!

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

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

WHEN READING THE MANUAL

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

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

MODIFICATION OF YOUR VEHICLE

This vehicle should not be modified. Modifications 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 the following symbols and words are used:



WARNING

Indicates the presence of a hazard that could cause death or serious personal injury. To avoid or reduce the risk, the procedures described must be followed precisely.

CAUTION

Indicates the presence of a hazard that could cause minor or moderate personal injury, or damage to your vehicle. To avoid or reduce the risk, the procedures described must be followed carefully.

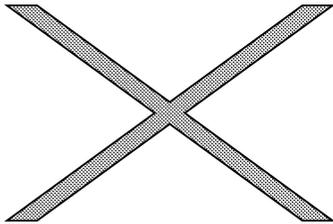
NOTE

Indicates additional helpful information.



NISSAN
GREEN PROGRAM

The NISSAN GREEN PROGRAM symbol indicates environmentally friendly information and best practices.



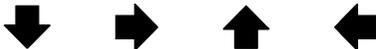
This symbol means **“Do not do this”** or **“Do not let this happen”**.



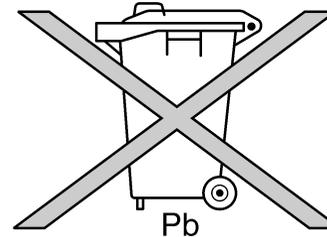
Arrows in an illustration that are similar to these point to the front of the vehicle.



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.



BATTERY DISPOSAL

CAUTION

An improperly disposed battery can harm the environment. Always confirm local regulations for battery disposal.

Examples of the batteries that the vehicle contains:

- Vehicle battery
- Remote controller battery (for Intelligent Key and/or Remote keyless entry system)
- Tyre Pressure Monitoring System (TPMS) sensor battery
- Remote controller battery (for Mobile Entertainment system)

If in doubt, contact your local authority, or a NISSAN dealer, or a qualified workshop for advice on disposal.



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Contents

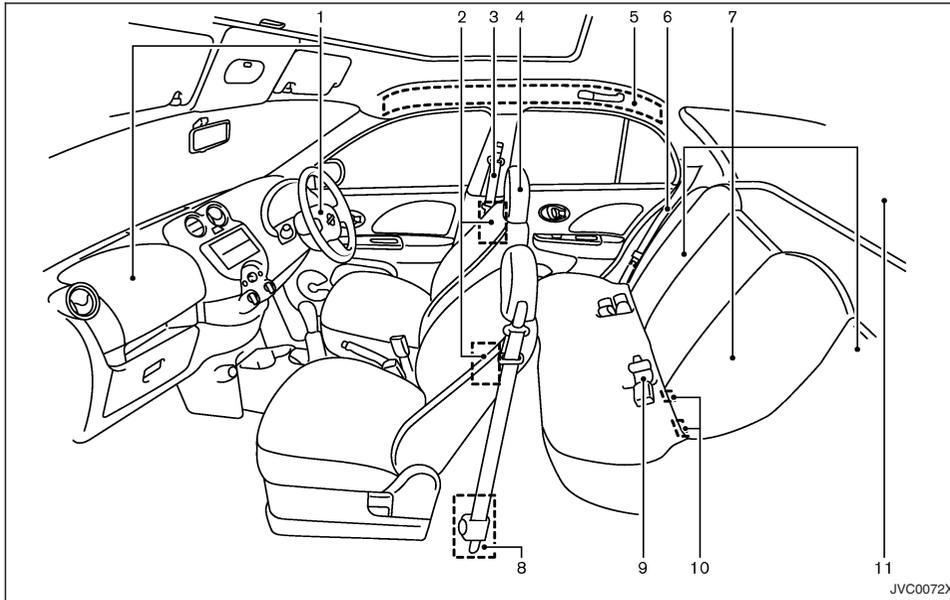
Illustrated table of contents	0
Safety – seats, seat belts and supplemental restraint system	1
Instruments and controls	2
Pre-driving checks and adjustments	3
Heater and air conditioner, and audio system	4
Starting and driving	5
In case of emergency	6
Appearance and care	7
Maintenance and do-it-yourself	8
Technical information	9
Index	10



0 Illustrated table of contents

Seats, Seat belts and Supplemental Restraint System (SRS).....	0-2	Instrument panel	0-6
Exterior front	0-3	Left-Hand Drive (LHD) model.....	0-6
Exterior rear	0-4	Right-Hand Drive (RHD) model	0-8
Passenger compartment	0-5	Meters and gauges	0-9
		Engine compartment.....	0-12

SEATS, SEAT BELTS AND SUPPLEMENTAL RESTRAINT SYSTEM (SRS)

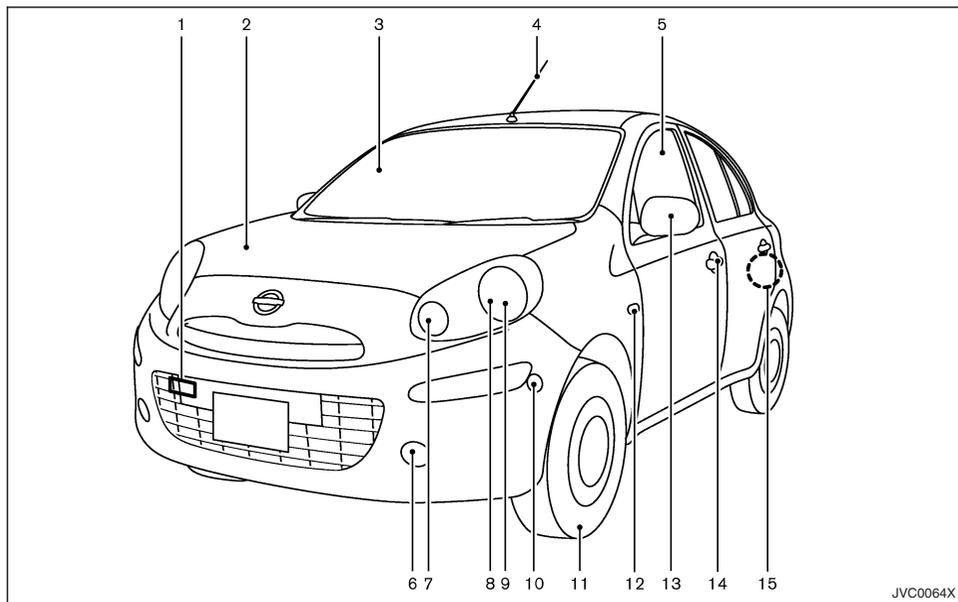


11. Rear centre seat belts (for three-point type seat belts)* (P. 1-9)

*: where fitted

- | | |
|---|---|
| 1. Supplemental front-impact air bags (P. 1-25) | 6. Rear seat belts (P. 1-6) |
| 2. Supplemental side-impact air bags (P. 1-25) | 7. Child restraint anchor point (for top tether strap child restraint)* (P. 1-19) |
| 3. Front seat belts (P. 1-6) | 8. Pre-tensioner seat belt system* (P. 1-27) |
| 4. Head restraints (P. 1-5) | 9. Rear centre seat belts (P. 1-10) |
| 5. Supplemental curtain side-impact air bags* (P. 1-25) | 10. ISOFIX child restraint system* (P. 1-17) |

EXTERIOR FRONT



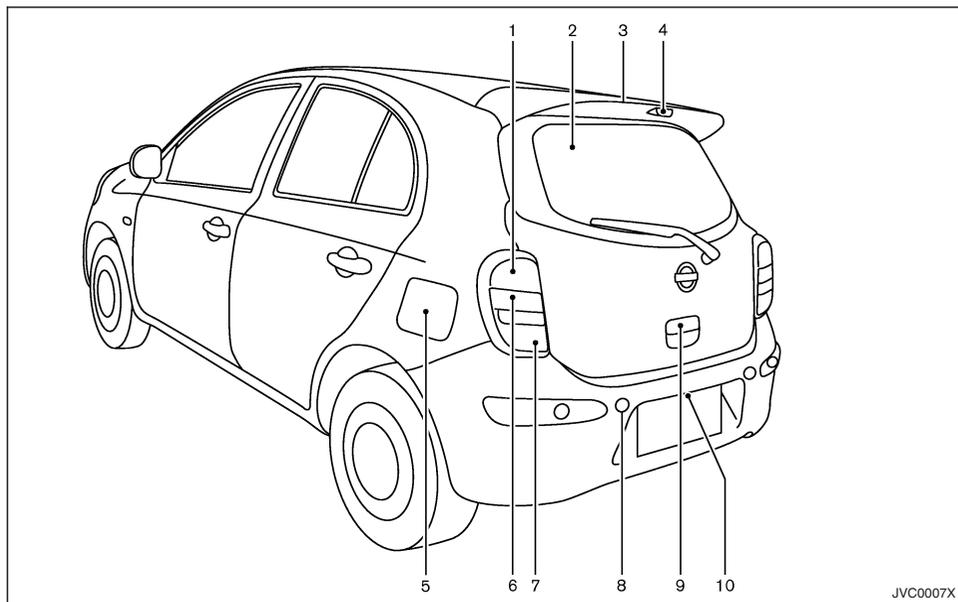
1. Recovery hook (P. 6-9)
2. Engine bonnet (P. 3-17)
3. Windscreen
 - Wiper and washer switch (P. 2-27)
 - Wiper replacement (P. 8-13)
 - Washer fluid (P. 8-14)
4. Antenna (P. 4-13)

5. Windows (P. 2-30)
6. Fog lights*
 - Switch operation (P. 2-26)
 - Bulb replacement (P. 8-19)
7. Front turn signal lights
 - Switch operation (P. 2-25)
 - Bulb replacement (P. 8-20)

8. Front side lights
 - Switch operation (P. 2-23)
 - Bulb replacement (P. 8-19)
9. Headlights
 - Switch operation (P. 2-23)
 - Bulb replacement (P. 8-19)
10. Parking space measurement sensors (where fitted) (P. 5-23)
11. Tyres
 - Tyres and wheels (P. 8-25, 9-5)
 - Flat tyre (P. 6-2)
12. Side turn signal lights
 - Switch operation (P. 2-25)
 - Bulb replacement (P. 8-19)
13. Outside rearview mirrors (P. 3-20)
14. Doors
 - Keys (P. 3-2)
 - Door locks (P. 3-4)
 - Intelligent Key system* (P. 3-8)
 - Remote keyless entry system* (P. 3-7)
 - Security system* (P. 3-16)
15. Child safety rear door lock (P. 3-6)

*: where fitted

EXTERIOR REAR

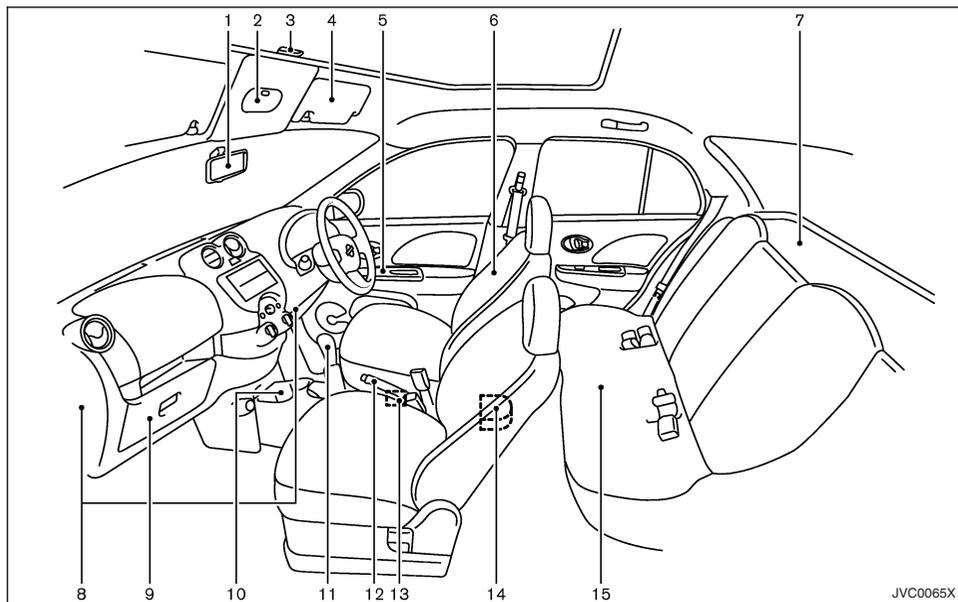


1. Stop/tail lights (P. 8-19)
2. Rear window
 - Wiper and washer switch* (P. 2-28)
 - Rear window defogger (P. 2-29)
3. High-mounted stop light (Model without rear spoiler) (P. 8-19)
4. High-mounted stop light (Model with rear spoiler) (P. 8-19)
5. Fuel
 - Fuel filler lid (P. 3-18)
 - Fuel recommendation (P. 9-2)
6. Turn signal lights
 - Switch operation (P. 2-25)
 - Bulb replacement (P. 8-19)

7. Reverse lights/Rear fog light (P. 8-19)
8. Sonar (parking sensor) system* (P. 5-23)
9. Back door (P. 3-18)
 - Back door operation (For model with the door key cylinder) (P. 3-18)
 - Intelligent Key system* (P. 3-8)
 - Remote keyless entry system* (P. 3-7)
10. Number plate light (P. 8-19)

*: where fitted

PASSENGER COMPARTMENT

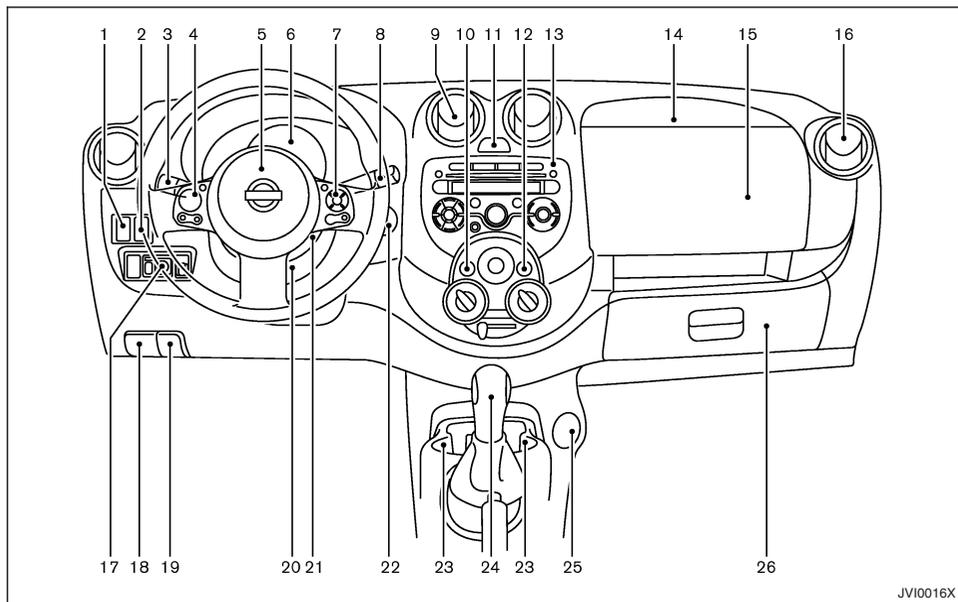


- | | |
|-------------------------------------|--|
| 1. Inside rearview mirror (P. 3-20) | — Power door lock switch* (models with power windows) (P. 3-5) |
| 2. Room light (P. 2-36, 8-19) | |
| 3. Sunshade* (P. 2-32) | 6. Front seats (P. 1-2) |
| 4. Sun visor (P. 2-36) | 7. Tonneau board* (P. 2-35) |
| 5. Door armrest | 8. Fuse box (P. 8-18) |
| — Power window switch* (P. 2-30) | 9. Glove box (P. 2-34) |

- | |
|---|
| 10. Front cup holder (P. 2-35) |
| 11. Selector lever or Shift lever |
| — Continuously Variable Transmission (CVT) (P. 5-10) |
| — Manual Transmission (MT) (P. 5-13) |
| 12. Parking brake (P. 3-22, 8-10) |
| 13. Centre console |
| — Heated seats switch* (P. 1-3) |
| — Power door lock switch* (models without power windows) (P. 3-5) |
| 14. Rear cup holder (P. 2-35) |
| 15. Rear seats (P. 1-4) |
| — Child restraints (P. 1-13) |

*: where fitted

INSTRUMENT PANEL



LEFT-HAND DRIVE (LHD) MODEL

- | | | |
|--|--|---|
| <ol style="list-style-type: none"> 1. Electronic Stability Programme (ESP) OFF switch* (P. 5-15) 2. Parking space measurement switch* (P. 5-23) 3. Headlight, fog light and turn signal switch (P. 2-23) 4. Steering-wheel-mounted controls (left side)* | <ul style="list-style-type: none"> — Audio control (P. 4-20) — Bluetooth® Hands-Free Phone System control (without navigation system) (P. 4-29) — Bluetooth® Hands-Free Phone System control (with navigation system)** <ol style="list-style-type: none"> 5. Driver's front-impact air bag/Horn (P. 1-25, 2-30) | <ol style="list-style-type: none"> 6. Meters and gauges (P. 2-2) 7. Steering-wheel-mounted controls (right side)* <ul style="list-style-type: none"> — Cruise control switches* (P. 5-19) — Speed limiter switches* (P. 5-17) 8. Wiper and washer switch (P. 2-27) 9. Centre vent (P. 4-2) 10. Heater and air conditioner control (P. 4-2) 11. Hazard indicator flasher switch (P. 2-30) 12. Rear window defogger switch (P. 2-29) 13. Audio system* (P. 4-8) 14. Passenger's front-impact air bag (P. 1-25) 15. Upper instrument box* (P. 2-34) 16. Side vent (P. 4-2) 17. Outside rearview mirror control switch* (P. 3-20) 18. Fuel filler lid release handle (P. 3-18) 19. Bonnet lock release handle (P. 3-17) 20. Tilting steering wheel lock lever (P. 3-19) 21. Ignition switch (model without Intelligent Key system)/steering lock (P. 5-4) 22. Push-button ignition switch (model with Intelligent Key system) (P. 5-6) 23. Cup holder (P. 2-35) 24. Selector lever or shift lever <ul style="list-style-type: none"> — Continuously Variable Transmission (CVT) model (P. 5-10) |
|--|--|---|



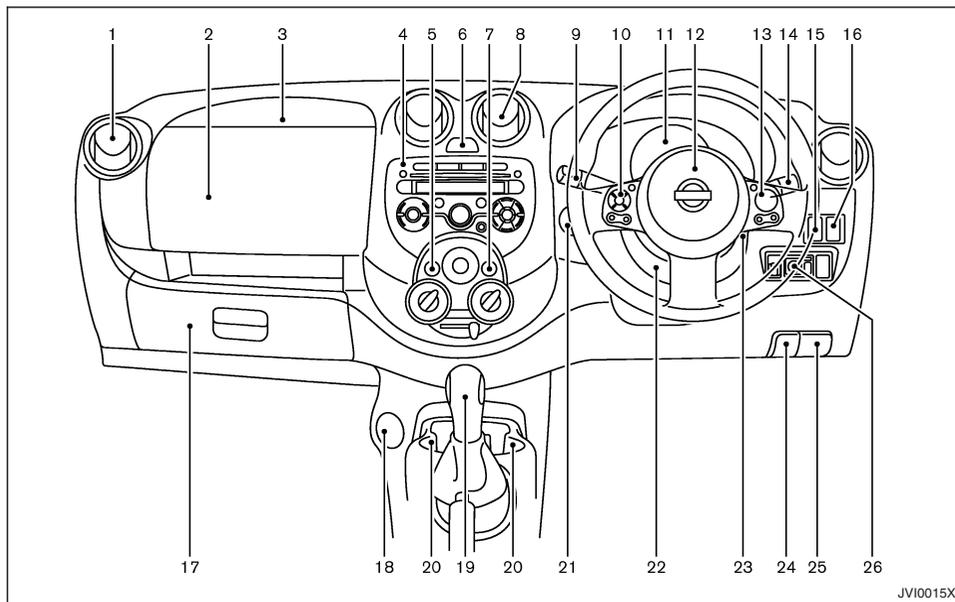
— Manual transmission (MT) model (P. 5-13)

25. Power outlet*/USB/AUX connector* (P. 2-33,
4-21)

26. Glove box (P. 2-34)

*: where fitted

** : Refer to the separate NISSAN Connect Owner's
Manual (where fitted).



RIGHT-HAND DRIVE (RHD) MODEL

1. Side vent (P. 4-2)
2. Upper instrument box* (P. 2-34)
3. Passenger's front-impact air bag (P. 1-25)
4. Audio system* (P. 4-8)
5. Rear window defogger switch (P. 2-29)

6. Hazard indicator flasher switch (P. 2-30)
7. Heater and air conditioner control (P. 4-2)
8. Side vent (P. 4-2)
9. Wiper and washer switch (P. 2-27) or headlight, fog light and turn signal switch (P. 2-23)
10. Steering-wheel-mounted controls (left side)*

- Audio control (P. 4-20)
- Bluetooth® Hands-Free Phone System control (without navigation system) (P. 4-29)
- Bluetooth® Hands-Free Phone System control (with navigation system)**

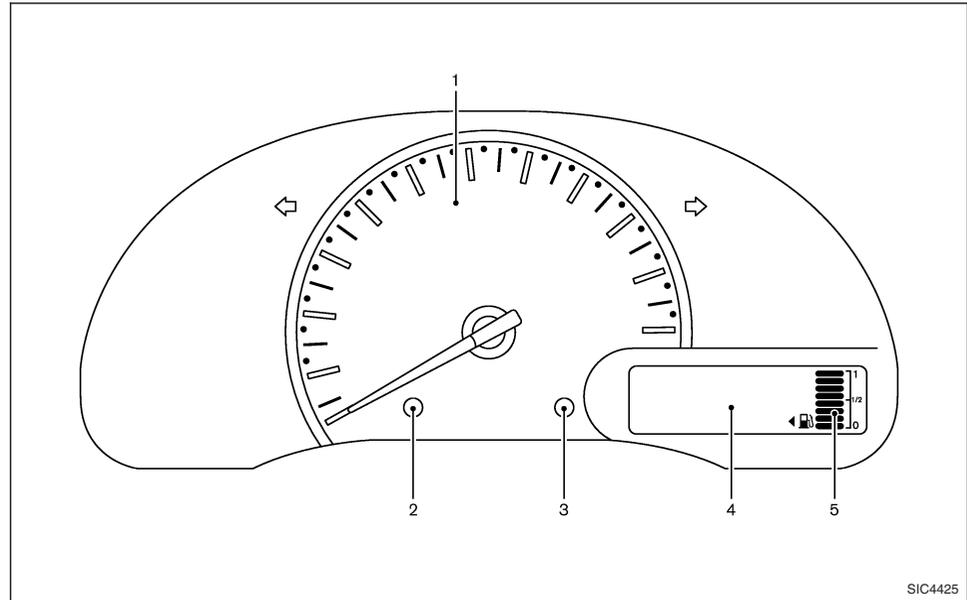
11. Meters and gauges (P. 2-2)
12. Driver's front-impact air bag/Horn (P. 1-25, 2-30)
13. Steering-wheel-mounted controls (right side)*
 - Cruise control switches* (P. 5-19)
 - Speed limiter switches* (P. 5-17)
14. Headlight, fog light and turn signal switch (P. 2-23)
15. Parking space measurement switch* (P. 5-23)
16. Electronic Stability Programme (ESP) OFF switch* (P5-15.)
17. Glove box (P. 2-34)
18. Power outlet*/USB/AUX connector* (P. 2-33, 4-21)
19. Selector lever or shift lever
 - Continuously Variable Transmission (CVT) model (P. 5-10)
 - Manual transmission (MT) model (P. 5-13)
20. Cup holder (P. 2-35)
21. Push-button ignition switch (model with Intelligent Key system) (P. 5-6)
22. Tilting steering wheel lock lever (P. 3-19)

METERS AND GAUGES

- 23. Ignition switch (model without Intelligent Key system)/steering lock (P. 5-4)
- 24. Bonnet lock release handle (P. 3-17)
- 25. Fuel filler lid release handle (P. 3-18)
- 26. Outside rearview mirror control switch* (P. 3-20)

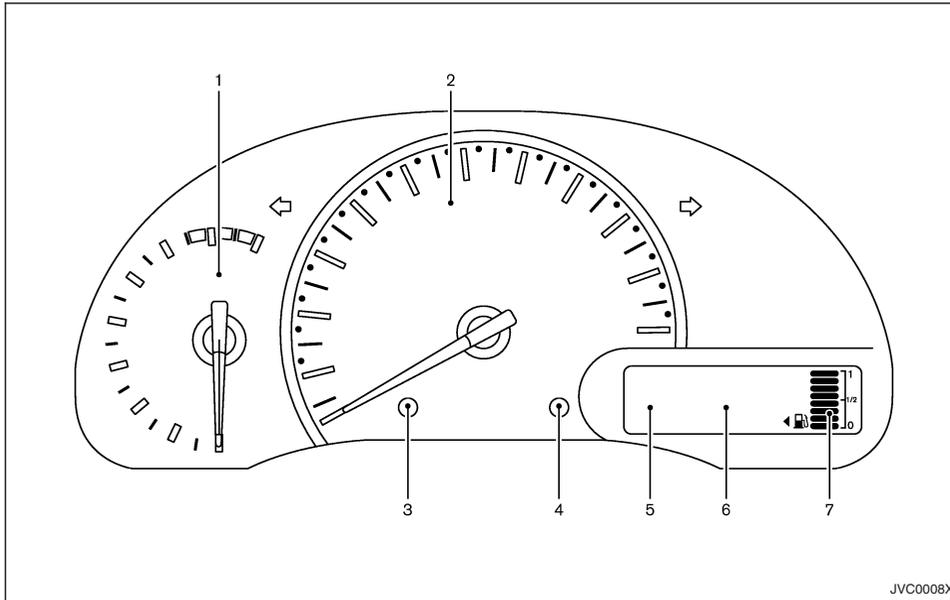
*: where fitted

** : Refer to the separate NISSAN Connect Owner's Manual (where fitted).



Type A

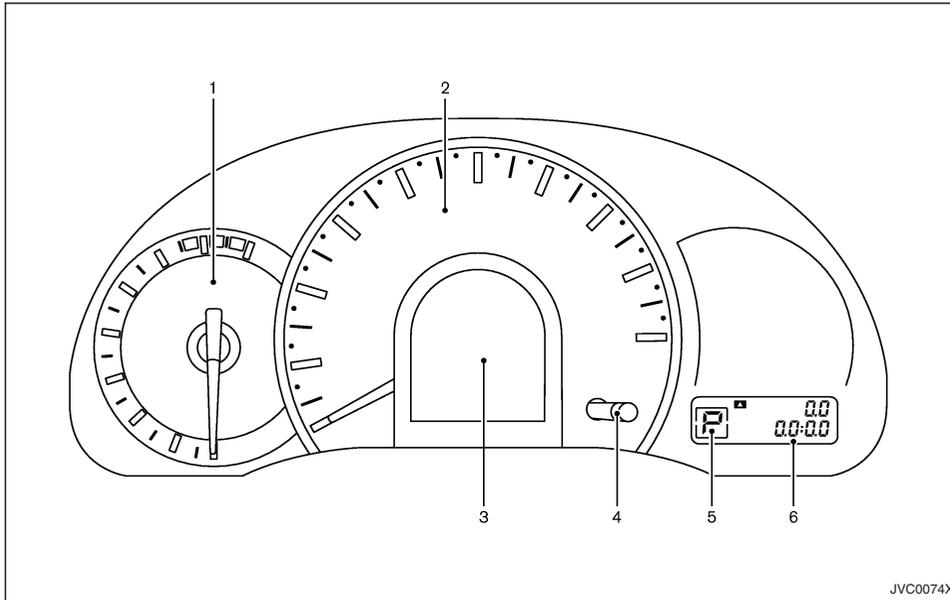
- 1. Speedometer (P. 2-4)
- 2. Trip odometer reset switch/trip computer mode switch (P. 2-4)
- 3. Adjusting time switch (P. 2-33)
- 4. Odometer/twin trip odometer/trip computer (P. 2-4)
- 5. Fuel gauge (P. 2-6)



Type B

- | | |
|--|---|
| 1. Tachometer (P. 2-6) | control and speed limiter display* (P. 5-19, 5-17) |
| 2. Speedometer (P. 2-4) | |
| 3. Trip odometer reset switch/trip computer mode switch (P. 2-4) | 6. Odometer/twin trip odometer/trip computer (P. 2-4) |
| 4. Adjusting time switch (P. 2-33) | 7. Fuel gauge (P. 2-6) |
| 5. Continuously Variable Transmission (CVT) position indicator* (P. 2-16, 5-10)/Cruise | *: where fitted |

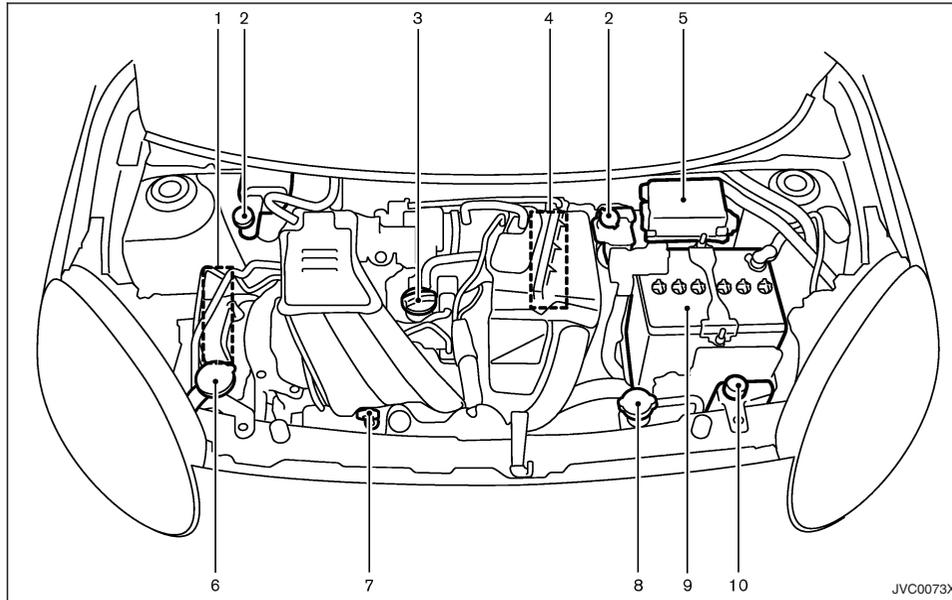
0-10 Illustrated table of contents



Type C

1. Tachometer (P. 2-6)
 2. Speedometer (P. 2-4)
 3. Vehicle information display (P. 2-4, 2-15)
 4. Trip odometer reset switch (P. 2-5)
 5. Continuously Variable Transmission (CVT) position indicator* (P. 2-16, 5-10)
 6. Odometer/twin trip odometer/clock (P. 2-5)
- *: where fitted

ENGINE COMPARTMENT



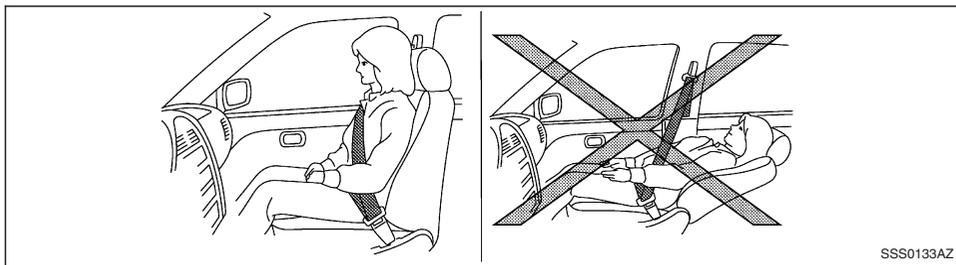
** : Right-Hand Drive model or Left-Hand Drive model

- | | |
|--|--|
| 1. Engine drive belts (P. 8-9) | 6. Window washer fluid reservoir (P. 8-14) |
| 2. Brake and clutch* fluid reservoir** (P. 8-11) (P. 8-12) | 7. Engine oil dipstick (P. 8-6) |
| 3. Engine oil filler cap (P. 8-6) | 8. Radiator cap (P. 8-5) |
| 4. Air cleaner (P. 8-13) | 9. Battery (P. 8-15) |
| 5. Fuse/fusable link box (P. 8-18) | 10. Engine coolant reservoir (P. 8-5) |
- *: For Manual Transmission (MT) Model

1 Safety — seats, seat belts and supplemental restraint system

Seats.....	1-2	Child restraints	1-13
Front seats	1-2	Precautions on child restraint usage.....	1-13
Rear seats	1-4	Universal child restraints for front seat and rear seats	1-14
Head restraints (where fitted).....	1-5	ISOFIX child restraint system (where fitted)	1-17
Armrest (where fitted)	1-6	Child restraint anchorage (where fitted)	1-18
Seat belts	1-6	Child restraint installation using ISOFIX	1-19
Precautions on seat belt usage	1-6	Installation of child restraint system	1-21
Child safety	1-7	Supplemental Restraint System (SRS)	1-25
Pregnant women	1-8	Precautions on Supplemental Restraint System (SRS).....	1-25
Injured persons.....	1-8	Supplemental air bag systems	1-28
CENTER mark on seat belts	1-8	Pre-tensioner seat belt system (where fitted).....	1-30
Three-point type seat belts.....	1-9	Repair and replacement procedure	1-31
Two-point type seat belts	1-12		
Seat belt maintenance	1-13		

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 in the seat and adjust the seat belt properly. (See “Seat belts” later in this section.)

CAUTION

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

FRONT SEATS

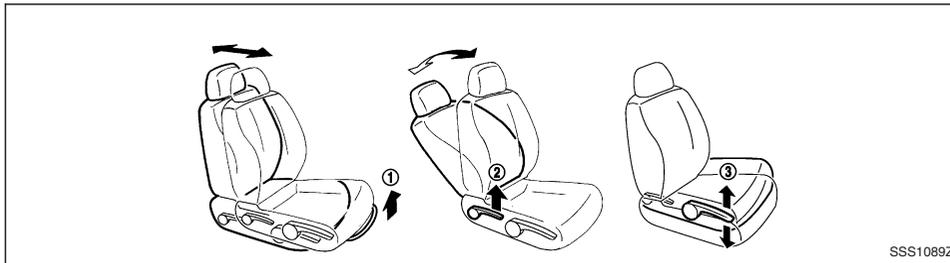
WARNING

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:

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

Reclining:

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

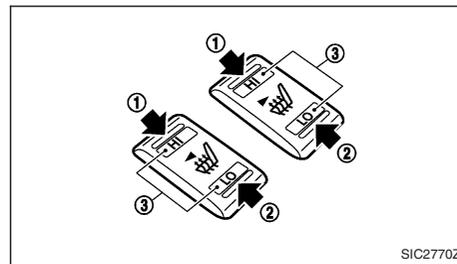
The reclining feature allows the adjustment of the seatback for occupants of different sizes to help obtain the proper seat belt fit. (See “Seat belts” later in this section.)

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

Seat lifter (where fitted):

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

Heated seats (where fitted)



The seats can be warmed by built-in heaters. The switches located on the centre console can be operated independently of each other.

1. Start the engine.

2. Select heat range.

- For high heat, push the HI (High) side of the switch ①.
- For low heat, push the LO (Low) side of the switch ②.
- The indicator light ③ will illuminate when low or high is selected.

3. To turn off the heater, return the switch to the level position. Make sure the indicator light turns off.

The heater is controlled by a thermostat, automatically turning the heater on and off. The indicator light will remain on as long as the switch is on.

When the vehicle’s interior is warmed, or before you leave the vehicle, be sure to turn off the switch.

CAUTION

- The battery could run down if the seat heater is operated while the engine is not running.
- Do not use the seat heater for extended periods or when no one is using the seat.
- Do not put anything on the seat which insulates heat, such as a blanket, cushion, seat cover, etc. Otherwise, the seat may become overheated.
- Do not place anything hard or heavy on the seat or pierce it with a pin or similar object. This may result in damage to the seat heater.
- Any liquid spilled on the heated seat should be removed immediately with a dry cloth.

- When cleaning the seat, never use petrol, thinner, or any similar materials.
- If any malfunctions are found or the heated seat does not operate, turn the switch off and have the system checked by a NISSAN dealer or qualified workshop.

REAR SEATS

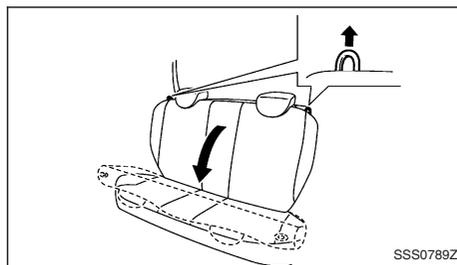
Adjustment

Folding:



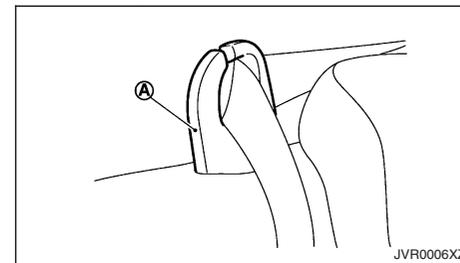
WARNING

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



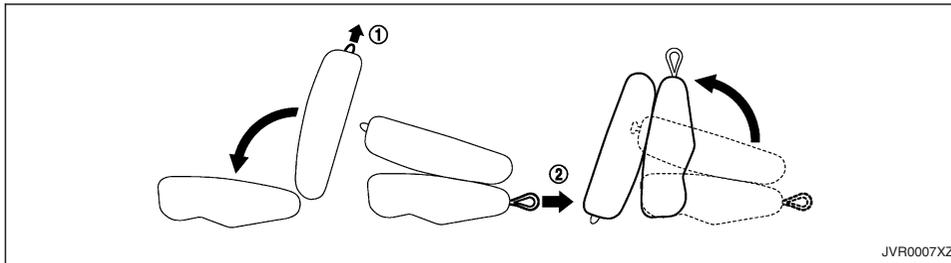
1. Store the seat belts in the proper position. (See "Three-point type seat belts" later in this section.)
2. Pull the knob to fold the seatback down.

Passing the seat belt through the path (where fitted):



CAUTION

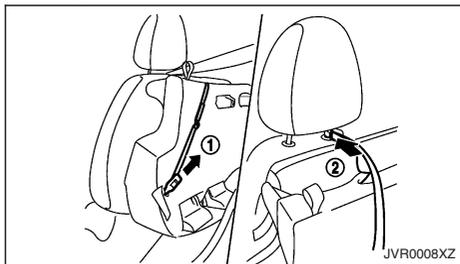
- Fold down the rear seatback with the seat belt passed through the path (A) on the seatback.
 - When loading the luggage in the luggage room, be careful not to scratch or damage the seat belt.
- If the rear seatback needs to be folded without passing the seat belt through the path (A), be sure to observe the following items.
- After returning the rear seatback to its original position, pass the seat belt through the path (A).
 - When operating the seatback, be careful not to scratch or damage the seat belt.



Folding (where fitted):

1. Secure the seat belt on the clip.
2. Pull up the knob ① and fold the seatback down.
3. Pull the strap ② and lift the rear of the seat cushion and the seatback.

Securing of the folded rear seat:



1. Remove the hook ① from the anchor on the underside of the cushion.

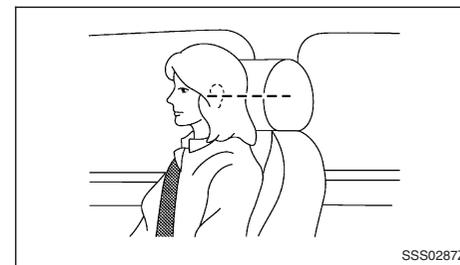
2. Secure the hook ② on the stalk as illustrated.

! WARNING

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

- Head restraints should be adjusted properly as they may provide significant protection against whiplash injury. Always replace and adjust them properly if they have been removed for any reason.

HEAD RESTRAINTS (where fitted)



! WARNING

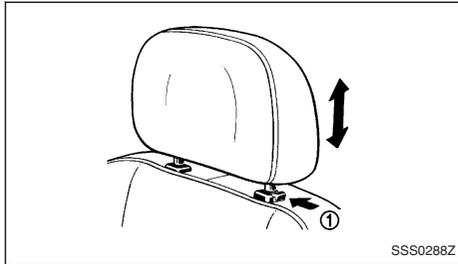
Do not drive and/or ride in the vehicle with the head restraint removed. This can be dangerous. Head restraints should be adjusted properly as they may provide significant protection against injury in an accident. Check the height after someone else uses the seat.

The proper adjustment of the head restraint is as illustrated.

Adjust the head restraint so that the head restraint's centre is level with the centre of the ears.

SEAT BELTS

Adjustment

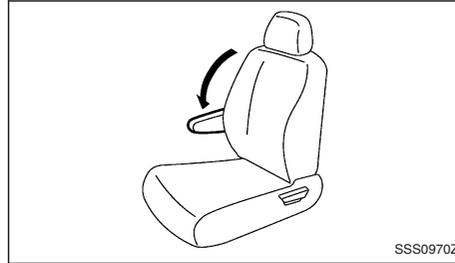


1. Pull up the head restraint to raise to the proper position.
2. Push in the lock knob ① and push down the head restraint to lower to the proper position.

The rear head restraint (where fitted) should only be used in the notched stem positions. The lowest head restraint position is the stowed position.

ARMREST (where fitted)

Front



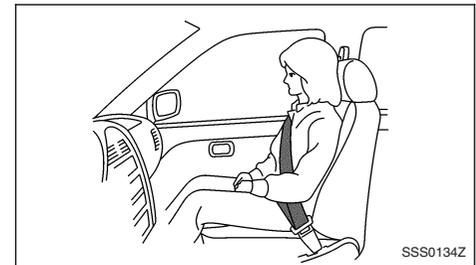
Pull the armrest down until it is horizontal.

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.



Sit upright and well back



Sit upright and well back



WARNING

- Seat belts 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.
- Seat belts 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. Chil-

dren should be properly restrained in the rear seat and, if appropriate, in a child restraint system.

- Do not run 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 frayed, contaminated or damaged.
- 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.
- All seat belt assemblies including retractors and attaching hardware should be inspected after any collision by a NISSAN dealer or qualified workshop. 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. 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.

CHILD SAFETY

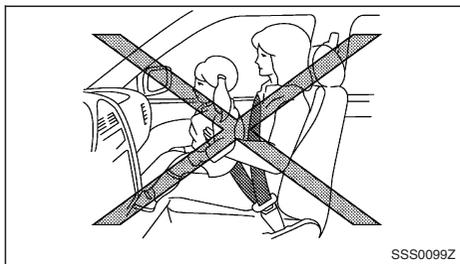


WARNING

- 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

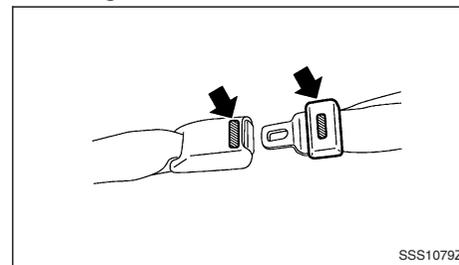
NISSAN recommends that pregnant women use seat belts. The seat belt should be worn snug, and always position the lap belt as low as possible around the hips, not the waist. Place the shoulder belt over your shoulder and across your chest. Never run the lap/shoulder belt over your abdominal area. Contact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

INJURED PERSONS

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

CENTER MARK ON SEAT BELTS

Selecting correct set of seat belts



The centre seat belt buckle and the tongue are identified by the CENTER mark. The centre seat belt tongue can be fastened only into the centre seat belt buckle.

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.

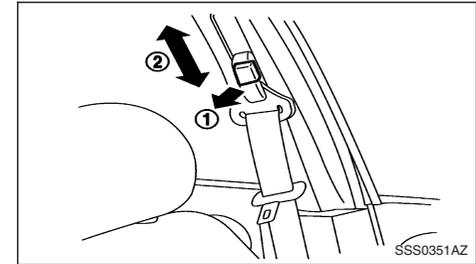
1. Adjust the seat. (See "Seats" earlier in this section.)
2. Slowly pull the seat belt out of the retractor and insert the tongue into the buckle until you hear and feel the latch engage.

The retractor is designed to lock during a sudden stop or on impact. A slow pulling motion permits the seat belt to move, and allows you some freedom of movement in the seat.



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

Shoulder belt height adjustment (where fitted for front seats)



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.

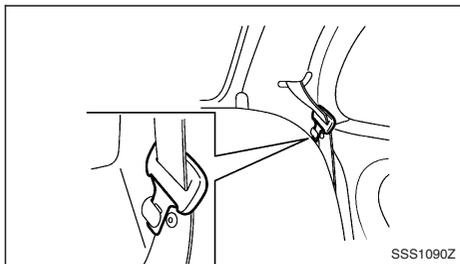
To adjust, pull the release button ① and move the shoulder belt anchor to the proper position ②, so that the belt passes over the centre of the shoulder.

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

Unfastening seat belts

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

Belt hook



Hook the seat belt at the belt hook when folding down the rear seat.

NOTE

Before folding down the rear seatback, make

sure that the seat belt tongue is securely fastened to the belt clip. Also, make sure that the seat belt does not get caught in the seatback when folding down the rear seat.

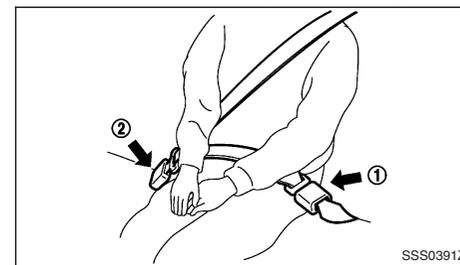
Checking seat belt operation

Seat belt retractors are designed to lock seat belt movement:

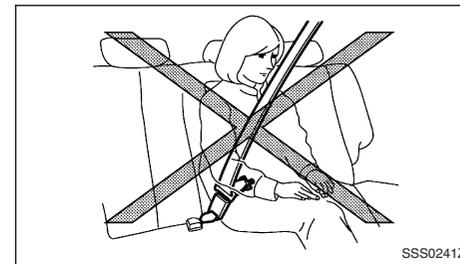
- When the seat belt is pulled quickly from the retractor.
- When the vehicle slows down rapidly.

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 or qualified workshop immediately.

Rear centre seat belt (where fitted)



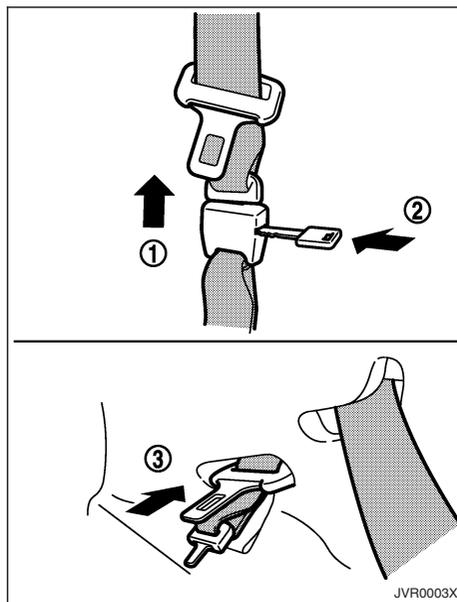
The rear centre seat belt has a connector tongue ① and a seat belt tongue ②. Both the connector tongue and the seat belt tongue must be securely latched for proper seat belt operation.



WARNING

- Always fasten the connector tongue and the seat belt in the order shown.

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



2. Retract the seat belt and store the seat belt tongue and connector tongue on the stowed position (3).

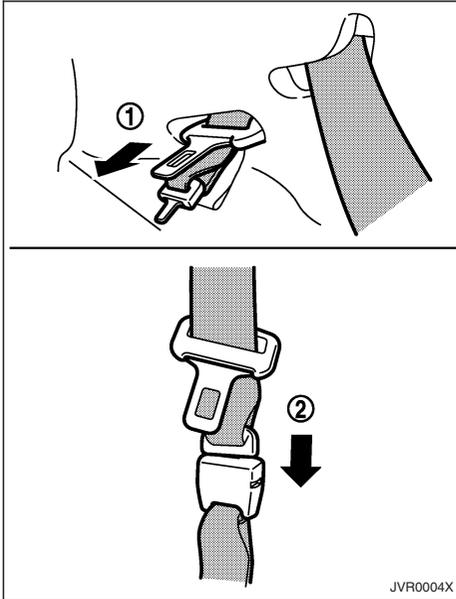
WARNING

- Do not unfasten the rear centre seat belt connector except when folding down the rear seat.
- When returning the seatback, be sure to attach the rear centre seat belt connector.

Stowing rear centre seat belt (where fitted):

When folding down the rear seat, the rear centre seat belt can be retracted into a stowed position.

1. Hold the connector tongue (1) so that the seat belt does not retract suddenly when the tongue is released from the connector buckle. Release the connector tongue by inserting a suitable tool such as key (2) into the connector buckle.



2. Pull the seat belt and secure the connector buckle until it clicks (2).

The centre seat belt connector tongue can be attached only into the rear centre seat belt connector buckle.

To fasten the seat belt, see “Fastening seat belts” earlier in this section.

! WARNING

- When attaching the rear centre seat belt connector, be certain that the seatbacks are completely secured in the latched position and the rear centre seat belt connector is completely secured.
- If the rear centre seat belt connector and the seatbacks are not secured in the correct position, serious personal injury may result in an accident or sudden stop.
- Make sure to wear the rear centre seat belt with the seat belt passing through the path (A). (See “Rear seats” earlier in this section.)

Attaching rear centre seat belt (where fitted):

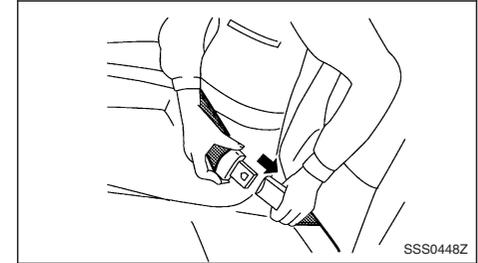
Always be sure the rear centre seat belt connector tongue and connector buckle are attached. Disconnect only when folding down the rear seat.

To connect the buckle:

1. Pull the seat belt tongue and connector tongue from the stowed position (1).

TWO-POINT TYPE SEAT BELTS

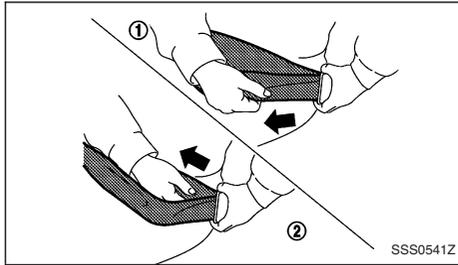
Fastening seat belts



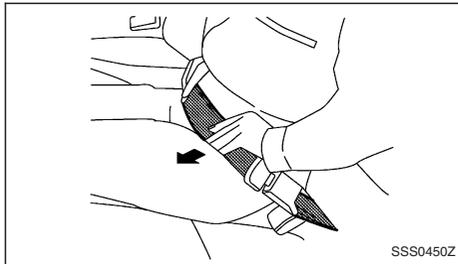
! WARNING

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. Insert the tongue into the buckle marked CEN-TER until you hear and feel the latch engage.



- 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.



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

Unfastening seat belts

Push the button on the buckle.

SEAT BELT MAINTENANCE

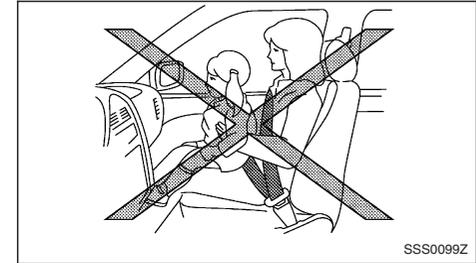
Periodically check that the seat belt and all the metal components, such as buckles, tongues, retractors, flexible wires and anchors, work properly. If loose parts, deterioration, cuts or other damage on the seat belt webbing is found, the entire seat belt assembly should be replaced.

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 sys-

tem 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. 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 injury or death in an accident.

- When the child restraint system is not in use, keep it secured with the ISOFIX child restraint system (where fitted) 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

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

- Choose a child restraint that complies with the latest European safety standard, ECE Regulation 44.04.
- 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 tables later in this section for a list of the recommended fitment positions and the approved child restraints for your vehicle.

Approved child restraint positions (models without ISOFIX)

Weight group	Front passenger	Seating position					
		Rear (Single folding)			Rear (Tumble)		
		Right	Centre	Left	Right	Centre	Left
0 (<10kg)	X	L	L	L	L	L	L
0 + (<13kg)	X	L	L	L	L	L	L
I (9–18kg)	UF	L	X	L	L	L	X
II (15–25kg)	UF	L	L	L	L	L	L
III (22–36kg)	UF	L	L	L	L	L	L

X: Not suitable for child restraint system.

UF: Suitable for forward-facing (FWF) universal category child restraint system approved for this group.

L: Suitable for the particular child restraints provided in the following table.

List of approved child restraints

Weight group	Name of CRS	Facing position	Category
0–13kg	Britax/RÖMER BABY-SAFE	Rear-facing	Universal
9–18kg	Britax/RÖMER DUO plus	Front-facing	Universal
9–18kg	Fair GO/1S	Front-facing	Universal
15–36kg	Britax/RÖMER Kid	Front-facing	Universal

Approved child restraint positions (models with ISOFIX)

The following restrictions are applied when using child restraints varying by infants weight and installation position (ISOFIX child restraint):

Weight group			Seating position
Weight group			Rear outer
Carry-cot	F	ISO/L1	X
	G	ISO/L2	X
0 (<10kg)	E	ISO/R1	X
0 + (<13kg)	E	ISO/R1	X
	D	ISO/R2	X
	C	ISO/R3	IL
I (9–18kg)	D	ISO/R2	X
	C	ISO/R3	IL
	B	ISO/F2	IUF
	B1	ISO/F2X	IUF, IL
	A	ISO/F3	IUF
II (15–25kg)		–	X
III (22–36kg)		–	X

X: Not suitable for child restraint system.

IUF: Suitable for forward-facing (FWF) universal category child restraint system approved for this group.

IL: Suitable for the particular ISOFIX category child restraint systems (CRS) provided in the following table. These ISOFIX CRS are those of the specific vehicle, restricted or semi-universal categories.

List of approved child restraints

Weight group	Size class	Name of CRS	Fixture of CRS	Facing position	Category
0–18kg	C	Fair GO/1S	ISO/R3 support frame (type A)	Rear-facing	Semi-Universal
9–18kg	B1	Britax/RÖMER DUO plus	ISO/FX2 top tether	Front-facing*	Universal

*Front facing: from 2 years only with headrest.



WARNING

In vehicles equipped with a side air bag system, do not let any infants or small children sit in the front passenger's seat as the air bag may cause serious injury in case of deployment during a collision.

NOTE

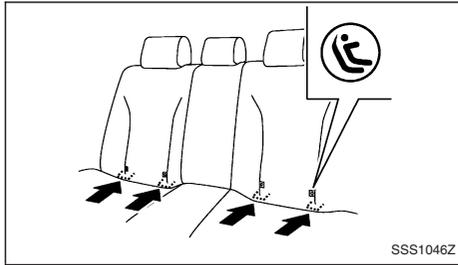
Child restraints approved to ECE Regulation NO. 44.04 are clearly marked with the categories such as Universal, Semi-universal or ISOFIX.

ISOFIX CHILD RESTRAINT SYSTEM (where fitted)

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

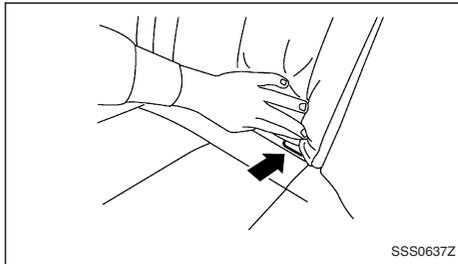
ISOFIX lower anchor point locations

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 centre position using the ISOFIX anchors.**



ISOFIX label location

SSS1046Z

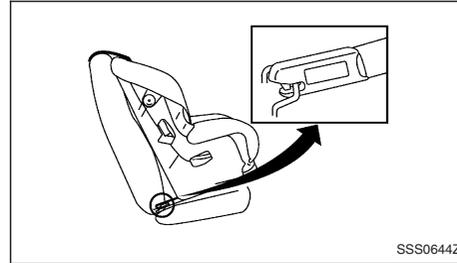


ISOFIX lower anchor location

SSS0637Z

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

SSS0644Z

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" later in this section.)

CHILD RESTRAINT ANCHORAGE (where fitted)

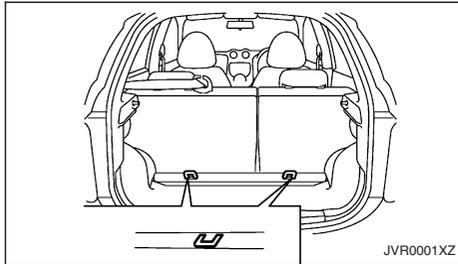
Your vehicle is designed to accommodate a child restraint system on the rear seat. When installing a child restraint system, carefully read and follow the instructions in this manual and those supplied with the child restraint system.



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.
- The child restraint top tether strap may be damaged by contact with the tonneau board (where fitted) or items in the luggage area. Remove the tonneau board (where fitted) from the vehicle or secure it and any luggage. Your child could be seriously injured or killed in a collision if the top tether strap is damaged.

Anchorage location



The anchor points are located on the seat cushion behind the rear seats outboard seating positions.

CHILD RESTRAINT INSTALLATION USING ISOFIX

WARNING

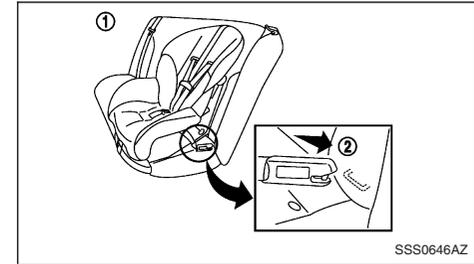
- Attach ISOFIX child restraints only at the specified locations. For the ISOFIX lower anchor locations, see “ISOFIX child restraint system (where fitted)” earlier in this section. If a child restraint is not secured properly, your child could be seriously injured or killed in an accident.
- Do not install 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 centre rear seating position using the ISOFIX lower anchors. The child restraint will not be secured properly.
- Inspect the lower anchors by inserting your fingers into the lower anchor area and feeling to make sure there are no obstructions over the ISOFIX anchors, such as seat belt webbing or seat cushion material. The child restraint will not be secured properly if the ISOFIX anchors are obstructed.
- Child restraint anchorages are designed to withstand only those loads imposed by correctly fitted child restraints. Under no circumstance are they to be used for adult seat belts, harnesses or for attaching other items or equipment to the vehicle.

Installation on rear outboard seats

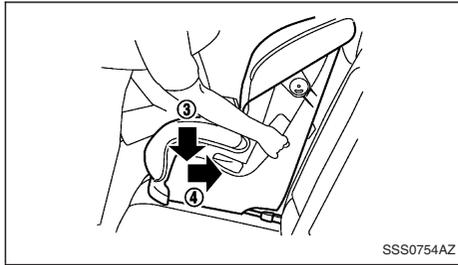
Front-facing:

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:



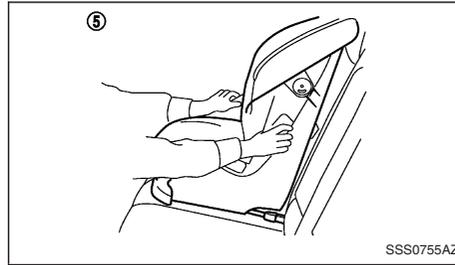
Steps 1 and 2

1. Position the child restraint on the seat ①.
2. Secure the child restraint anchor attachments to the ISOFIX lower anchors ②.
3. The back of the child restraint should be secured against the vehicle seat back. If necessary, adjust or remove the head restraint to obtain the correct child restraint fit. (See “Rear seats” earlier in this section.) 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 centre 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 “ISOFIX child restraint system (where fitted)” earlier in this section.)
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.

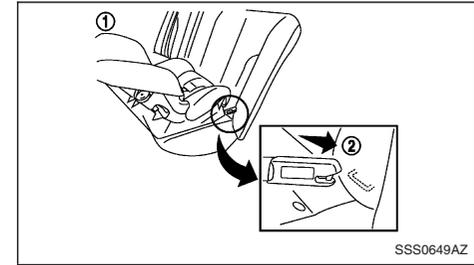


Step 7

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.

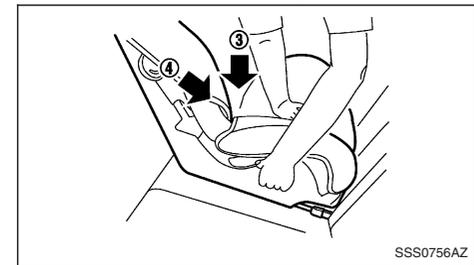
Rear-facing:

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

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

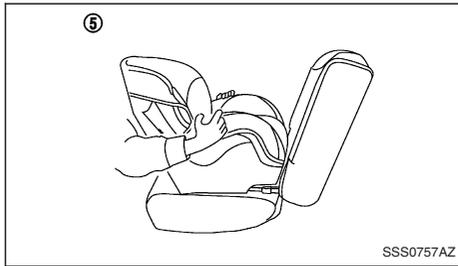


Step 3

3. Shorten the rigid attachment to have the child restraint firmly tightened; press downward ③ and rearward ④ firmly in the centre 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 (where fitted)” earlier in this section.)

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 side seats - seat belts without automatic locking mode



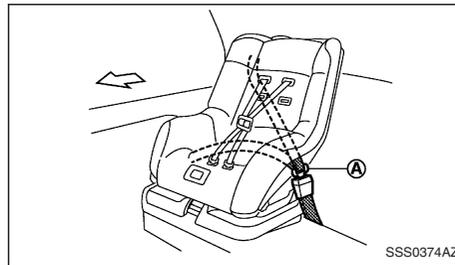
WARNING

- The three-point type seat belt on your vehicle is not equipped with an automatic locking mode retractor.
- The direction of the child restraint system depends on the type of the child restraint system and the size of the child.

If your vehicle is equipped with rear seat adjustment, note the following:

- Attach the child restraints after adjusting the rear seats to the upright position.
- Do not recline the rear seats with the child restraints attached to them.

Front-facing:

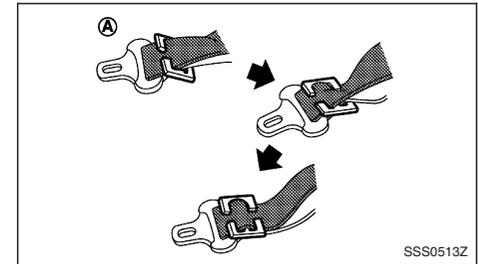


If you must install a front-facing child restraint system on the rear seat, follow these steps:

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.



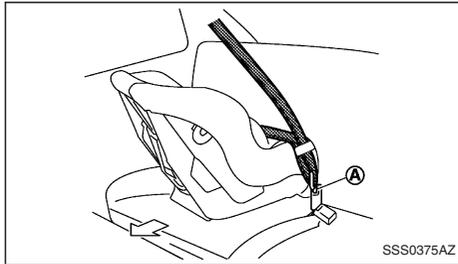
To prevent slack in the lap belt, it is necessary to secure the shoulder belt in place with a locking clip (A). Use the locking clip attached to the child restraint system or one which is equivalent in dimension and strength.

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

3. 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:

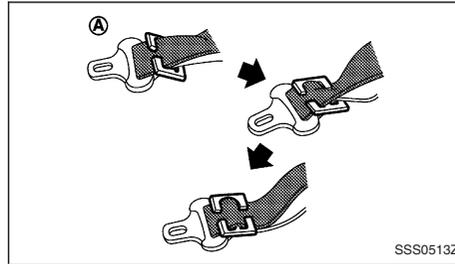


If you must install a rear-facing child restraint system on the rear seat, follow these steps:

1. Position the rear-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 (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.

3. 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.

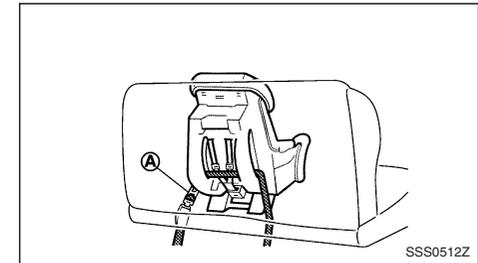
Installation on rear centre seat (2-point type seat belt)- seat belts without automatic locking mode



WARNING

- The rear centre two-point type seat belt on your vehicle is not equipped with an automatic locking mode retractor.
- The direction of the child restraint system depends on the type of the child restraint system and the size of the child.

Front-facing:

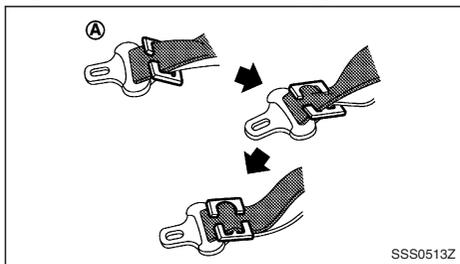


If you must install a front-facing child restraint system on the rear centre seat, follow these steps:

1. Position the front-facing child restraint system on the rear centre 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.



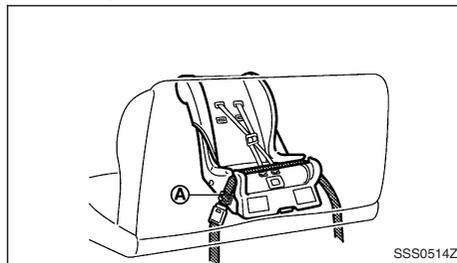
Locking clip

- 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 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.

Rear-facing:

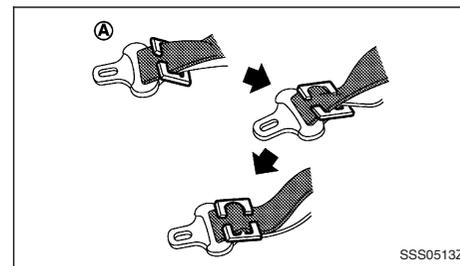


If you must install a rear-facing child restraint system on the rear centre seat, follow these steps:

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

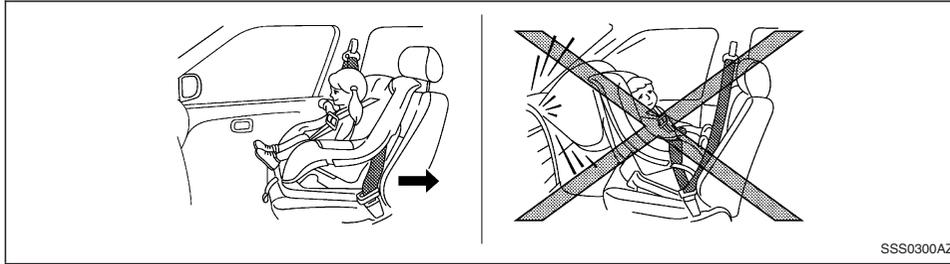


Locking clip

- 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 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.



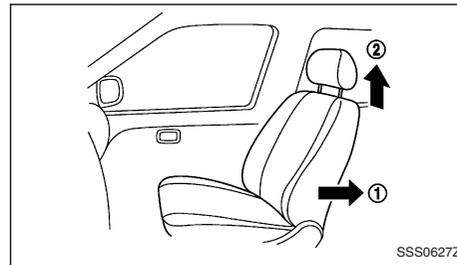
Installation on front seat - seat belts without automatic locking mode

⚠ 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 system 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 front-facing 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:



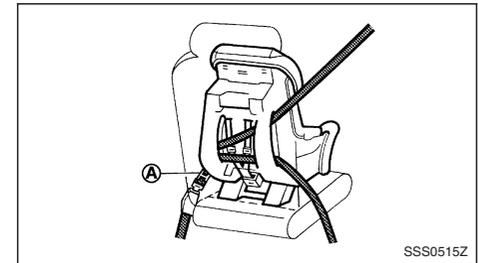
If you must install a front-facing child restraint system on the front seat, follow these steps:

1. Turn off the front passenger's air bag using the

front passenger air bag switch. (See "Supplemental air bag systems" later in this section) Place the ignition switch in the "ON" position and make sure that the front air bag status light  on the instrument panel illuminates (where fitted).

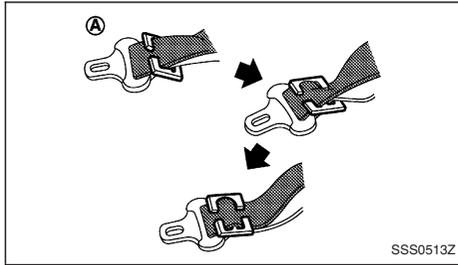
2. Move the seat to the rearmost position ①.
3. Adjust the head restraint to its highest position ②.
4. Position the front-facing child restraint system on the front passenger's seat. It should be placed in the front-facing direction only.

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



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

SUPPLEMENTAL RESTRAINT SYSTEM (SRS)



Locking clip

- 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 routing.

- Slide the seat forward so that the seat belt fully tightens the child restraint system.
- 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.

PRECAUTIONS ON SUPPLEMENTAL RESTRAINT SYSTEM (SRS)

This Supplemental Restraint System (SRS) section contains important information concerning the driver's and passenger's supplemental front-impact air bags.

Supplemental front-impact air bag system

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

Supplemental side-impact air bag system

This system can help cushion the impact force to the chest 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 (where fitted)

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

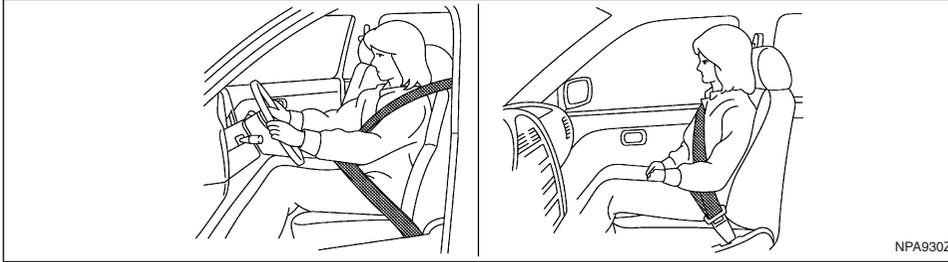
The SRS is designed to **supplement** the accident

protection provided by the driver's 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" earlier in this section.) 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" or "START" position.

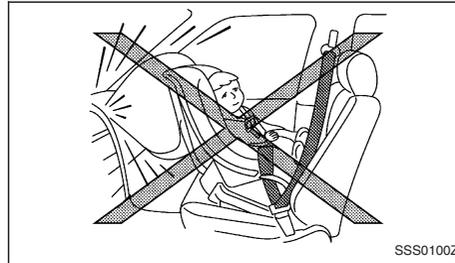
When the ignition switch is in the "ON" position, the SRS air bag warning light illuminates for about 7 seconds and then turns off. This indicates that the SRS is operational. (See "Child restraints" later in this section)



Sit upright and well back

! 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.



! 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" earlier in this section.)

! 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 are most effective when you are sitting well back and upright in the seat. The supplemental side-impact air bags and supplemental curtain side-impact air bags inflate with great force. If you and your passengers are unrestrained, leaning forward, sitting sideways, or out of position in any way, you and your passengers are at greater risk of injury or death in an accident.
- Do not allow anyone to place their hands, legs, or face near the supplemental side-impact air bags and supplemental curtain side-impact air bags on the sides of the seatback of the

front seats or near the side roof rails. Do not allow anyone sitting in the front seats or rear outboard seats to extend their hands out of the windows or lean against the doors. Some examples of dangerous riding positions are shown in the illustrations.

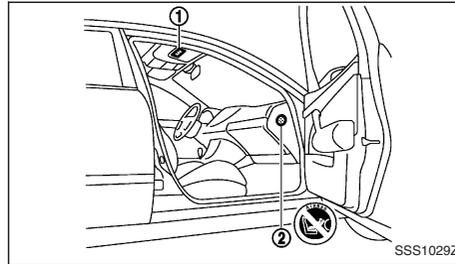
- When sitting in the rear seats, do not hold onto the seatback of the front seats. If the supplemental side-impact air bags and supplemental curtain side-impact air bags inflate, you may be seriously injured. Be especially careful with children, who should always be properly restrained.
- Do not use seat covers on the front seatbacks. They may interfere with the supplemental side-impact air bag inflations.

Pre-tensioner seat belt system (where fitted)

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 (where fitted)” later in this section.)

Air bag warning label



SRS air bag:

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

SRS front-impact passenger air bag (where fitted):

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

This label warns 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.

In vehicles equipped with a front-impact passenger air bag system, use a rear-facing child restraint system only on the rear seats. “Extreme Hazard! Do not use a rearward facing child restraint on a seat protected by an air bag in front of it!”

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” earlier in this section.

SRS air bag warning light



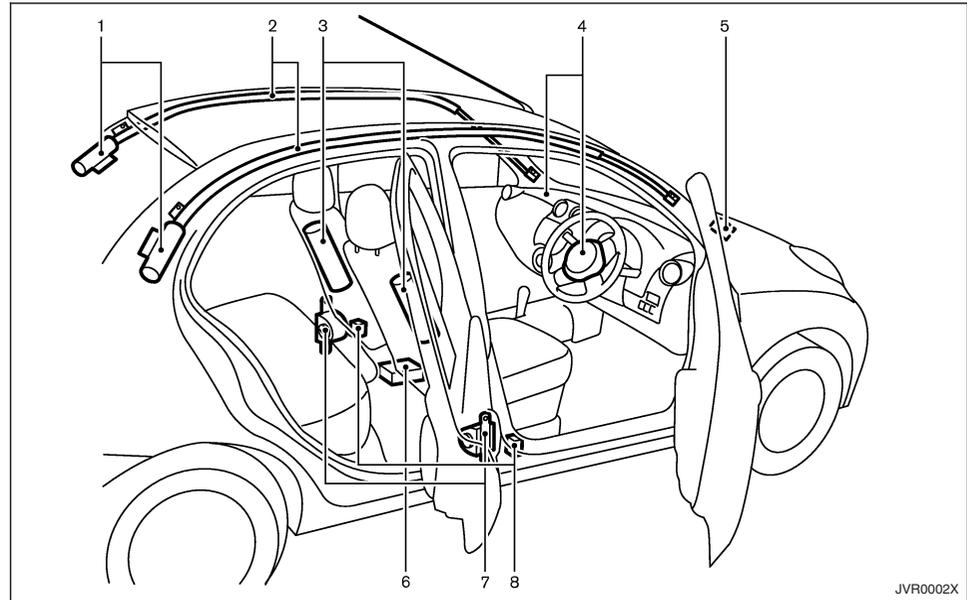
The SRS air bag warning light, displaying  in the instrument panel, monitors the circuits of the supplemental front-impact air bag, supplemental side-impact air bag, supplemental curtain side-impact air bags and pre-tensioner seat belt systems. The circuits monitored by the SRS air bag warning light are the diagnosis sensor unit, crash zone sensor, satellite sensors, front impact air bag modules, side-impact air bag modules, supplemental curtain side-impact air bag modules, pre-tensioner seat belts and all related wiring.

When the ignition switch is in the “ON” or “START” 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 systems need servicing:

- 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 systems may not operate properly. They must be checked and repaired. Contact a NISSAN dealer or qualified workshop immediately.



SUPPLEMENTAL AIR BAG SYSTEMS

1. Supplemental curtain side-impact air bag inflators*
2. Supplemental curtain side-impact air bag modules*
3. Supplemental side-impact air bag modules
4. Supplemental front-impact air bag modules

5. Crash zone sensor
6. Supplemental air bag diagnosis sensor unit
7. Pre-tensioner seat belt retractors
8. Satellite sensors*

*: where fitted

 **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 dangerous projectiles and cause injury if a supplemental air bag inflates.
- Immediately after inflation, several supplemental air bag system components will be hot. Do not touch them: you may severely burn yourself.
- No unauthorised 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 unauthorised 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 or qualified workshop. The SRS wiring should

not be modified or disconnected. Unauthorised electrical test equipment and probing devices should not be used on the supplemental air bag systems.

- The SRS wiring harness connectors are yellow and/or orange for easy identification.

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

Supplemental front-impact air bag system

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

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

Front passenger air bag status light (where fitted):



When the ignition switch is in the "ON" position, the front passenger air bag status light on the meter illuminates for about 7 seconds and then turns off. This indicates that the front passenger air bag system is operational.

When the front passenger air bag is turned off with the front passenger air bag switch, the front passenger air bag status light will illuminate and remain on as long as the front passenger air bag switch is in the "OFF" position.

 **WARNING**

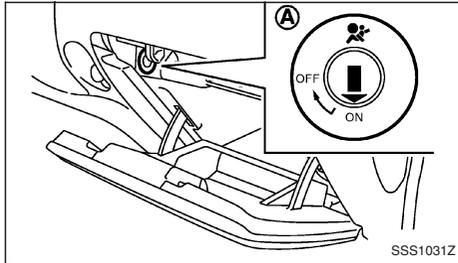
If any of the following conditions occur after the ignition switch is placed in the "ON" position, have the system checked, and if necessary repaired, by a NISSAN dealer or qualified workshop promptly.

- The front passenger air bag status light remains on after approximately 7 seconds.

- The front passenger air bag status light does not illuminate at all.

Unless checked and repaired, the front passenger air bag system may not function properly.

Front passenger air bag switch (where fitted):



The front passenger air bag can be turned off with the front passenger air bag switch (A) located inside of the glove box.

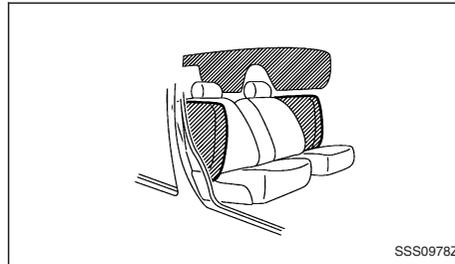
To turn off the front passenger air bag:

1. Place the ignition switch in the "OFF" position.
2. Open the glove box and insert the key into the front passenger air bag switch. For Intelligent Key equipped models, see "Keys" in the "3. Pre-driving checks and adjustments" section for mechanical key usage.
3. Push and turn the key to the OFF position.
4. Place the ignition switch in the "ON" position. The front passenger air bag status light will illuminate and remain on.

To turn on the front passenger air bag:

1. Place the ignition switch in the "OFF" position.
2. Open the glove box and insert the key into the front passenger air bag switch.
3. Push and turn the key to the "ON" position.
4. Place the ignition switch in the "ON" position. The front passenger air bag status light will illuminate then turn off.

Supplemental side-impact air bag system



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 (where fitted)

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.

PRE-TENSIONER SEAT BELT SYSTEM (where fitted)



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 or qualified workshop.
- No unauthorised 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 or qualified workshop. The SRS wiring should not be modified or disconnected. Unauthorised electrical test equipment and probing devices should not be used on the pre-tensioner seat belt system.**
- **If you need to dispose of the pre-tensioner seat belt system, or scrap the vehicle, contact a NISSAN dealer or qualified workshop. 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 PROCEDURE



WARNING

- **Once the air bags have been inflated, the air bag modules will not function and must be replaced. The air bag modules must be replaced by a NISSAN dealer or qualified workshop. The inflated air bag modules cannot be repaired.**
- **The air bag systems should be inspected by a NISSAN dealer or qualified workshop 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 or qualified workshop. 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 one-time-only basis. As a reminder, unless the SRS air bag warning light is damaged, the SRS air bag warning light remains illuminated after inflation has occurred. The repair and replacement of the SRS should be done only by a NISSAN dealer or qualified workshop.

When maintenance work is required on the vehicle,

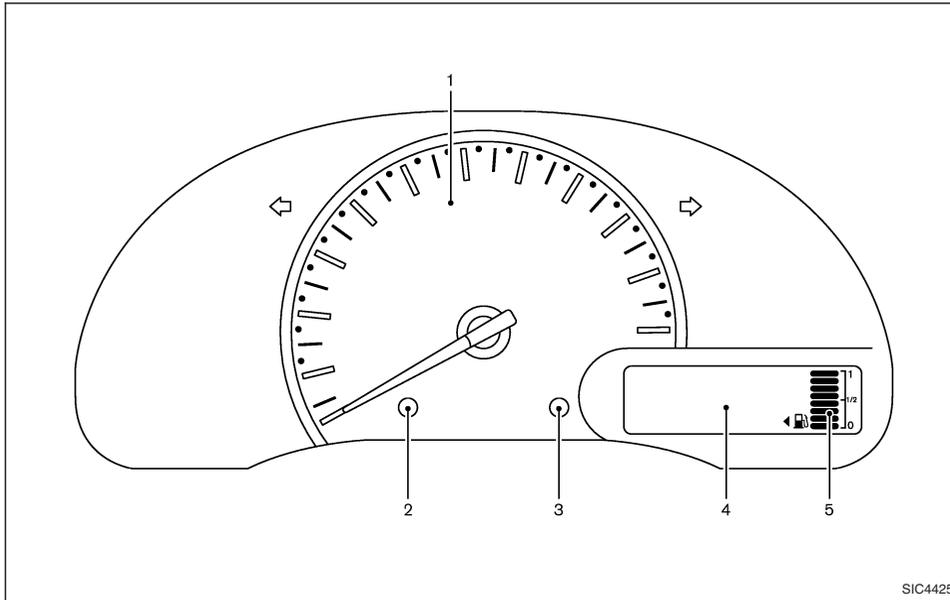
information about the air bags and related parts should be pointed out to the person performing the maintenance. The ignition switch should always be in the "LOCK" position when working under the bonnet or inside the vehicle.

NOTE

2 Instruments and controls

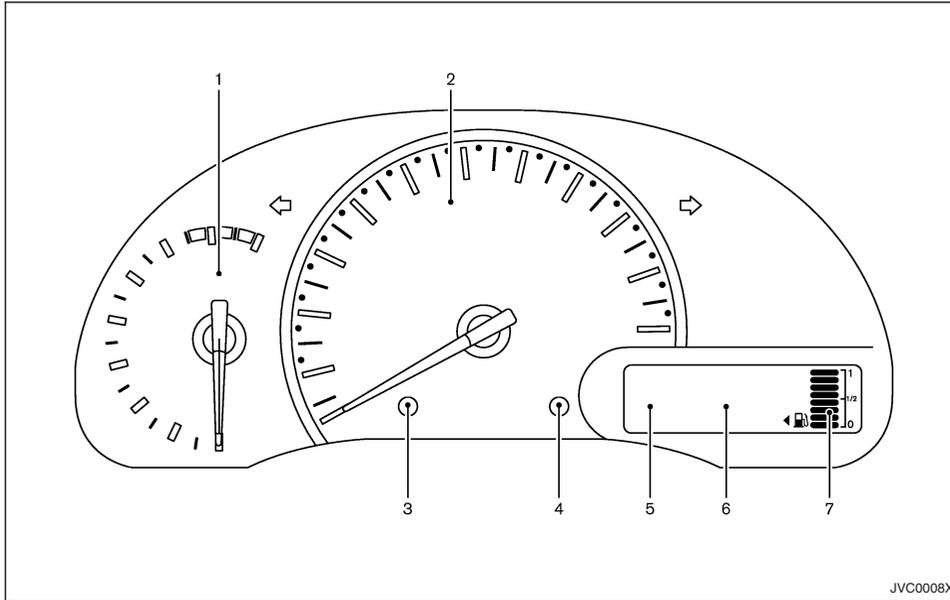
Meters and gauges	2-2	Wiper and washer switch	2-27
Speedometer and odometer	2-4	Windscreen wiper and washer switch.....	2-27
Trip computer (for Type A and B).....	2-5	Rain-sensing auto wiper system (where fitted)....	2-28
Tachometer (where fitted)	2-6	Rear window wiper and washer switch (where	
Fuel gauge	2-6	fitted)	2-28
Continuously Variable Transmission (CVT)		Defogger switch	2-29
position indicator (where fitted)	2-7	Hazard indicator flasher switch	2-30
Engine start operation indicator (where fitted)	2-7	Horn	2-30
Warning/indicator lights and audible reminders	2-8	Windows	2-30
Checking bulbs	2-8	Manual windows (where fitted)	2-30
Warning lights	2-9	Power windows (where fitted).....	2-30
Indicator lights	2-12	Sunshade (where fitted)	2-32
Audible reminders.....	2-14	Clock	2-33
Vehicle information display (where fitted).....	2-15	Adjusting time.....	2-33
Indicators for operation	2-16	Power outlets (where fitted)	2-33
Warnings and alerts.....	2-18	Storage	2-34
Indicators for maintenance.....	2-19	Glove box	2-34
Trip computer (For Type C)	2-20	Upper instrument box (where fitted)	2-34
Headlight and turn signal switch.....	2-23	Card holder (where fitted).....	2-34
Headlight switch	2-23	Cup holders	2-35
Battery saver system.....	2-24	Tonneau board (where fitted)	2-35
Headlight aiming control (where fitted)	2-24	Sun visors	2-36
Turn signal switch.....	2-25	Interior lights.....	2-36
Fog light switch (where fitted)	2-26	Room light	2-36
Front fog lights	2-26	Front map lights (where fitted)	2-36
Rear fog light	2-26		

METERS AND GAUGES



1. Speedometer
2. Trip odometer reset switch/trip computer mode switch
3. Adjusting time switch
4. Odometer/twin trip odometer/trip computer
5. Fuel gauge

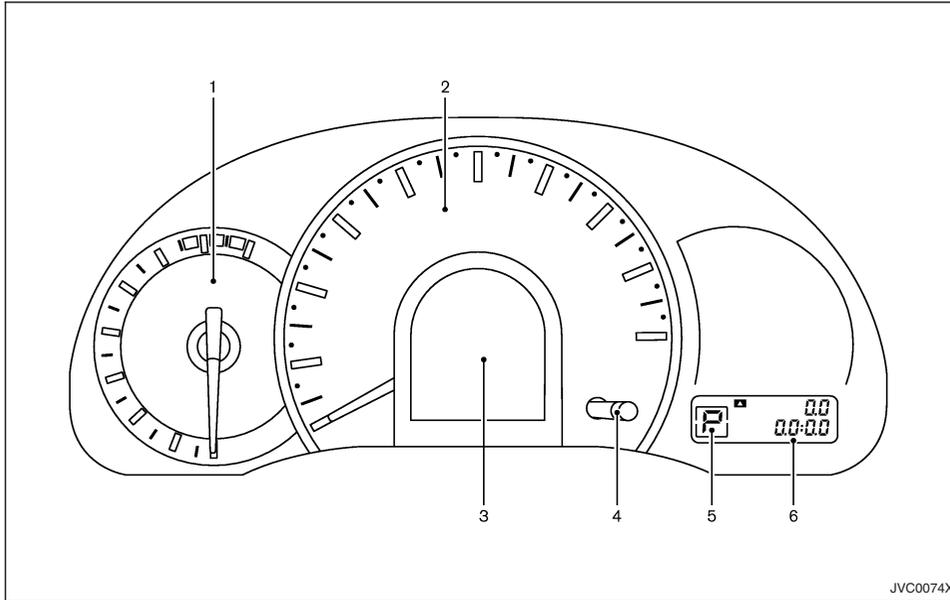
2-2 Instruments and controls



JVC0008X

Type B

- | | |
|---|---|
| 1. Tachometer | position indicator*/Cruise control and speed limiter display* |
| 2. Speedometer | |
| 3. Trip odometer reset switch/trip computer mode switch | 6. Odometer/twin trip odometer/trip computer |
| 4. Adjusting time switch | 7. Fuel gauge |
| 5. Continuously Variable Transmission (CVT) | *: where fitted |



Type C

- 1. Tachometer
- 2. Speedometer
- 3. Vehicle information display
- 4. Trip odometer reset switch
- 5. Continuously Variable Transmission (CVT) position indicator*

6. Odometer/twin trip odometer/clock

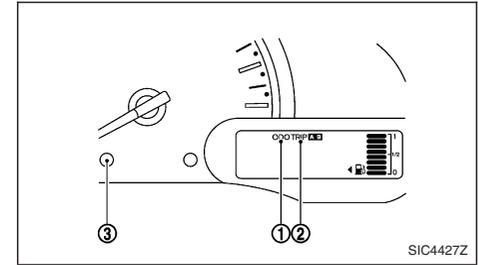
*: where fitted

SPEEDOMETER AND ODOMETER

Speedometer

The speedometer indicates the vehicle speed.

Odometer/Twin trip odometer (for Type A and B)



Type A and B

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:

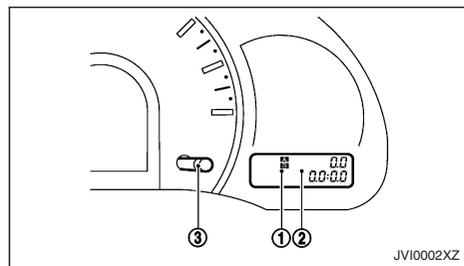
TRIP A → TRIP B → Trip computer mode → TRIP A

For trip computer information, see "Trip computer (for Type A and B)" later in this section.

Resetting twin trip odometer:

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

Odometer/Twin trip odometer (for Type C)



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. When the odometer displays, the display of TRIP A and B disappears.

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:

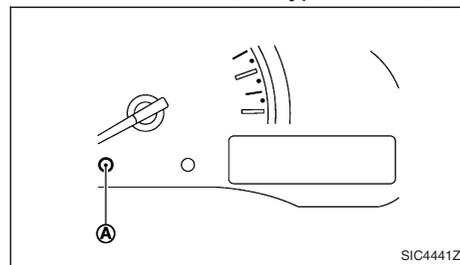
ODO → TRIP A → TRIP B → ODO

Resetting twin trip odometer:

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

For trip computer information, see "Trip computer (For Type C)" later in this section.

TRIP COMPUTER (for Type A and B)



Type A and B

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

When the ignition switch is placed in the "ON" position, modes of 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 or mls)

Current fuel consumption

The current fuel consumption mode shows the current fuel consumption.

Distance to empty (dte — km or mls)

The distance to empty (dte) mode provides you with an estimation of the distance that can be driven before refuelling. 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.

Average fuel consumption (l/100 km or MPG)

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.

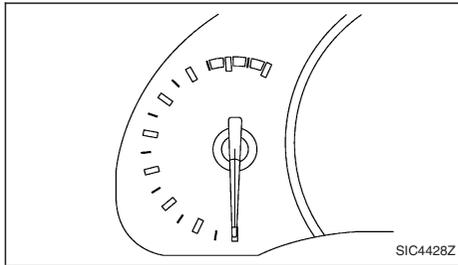
The display is updated every 30 seconds. At about the first 500 m after a reset, the display shows "----".

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.

For trip computer (For Type C), see "Trip computer (For Type C)" later in this section.

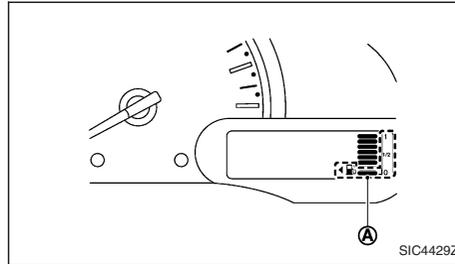
TACHOMETER (where fitted)



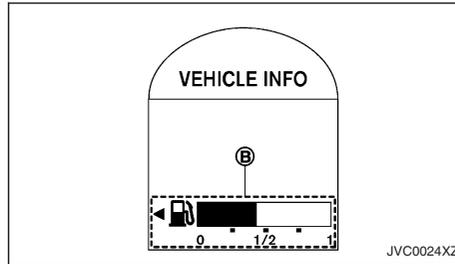
The tachometer indicates the engine speed in revolutions per minute (rpm).

Do not rev the engine into the red zone.

FUEL GAUGE



Type A and B



Type C

For Type A and B: 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) and the low fuel warn-

ing light in the meter blink when the fuel level in the tank is getting low. Refuel as soon as it is convenient, before the gauge reads 0.

For Type C: The fuel gauge (B) 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.

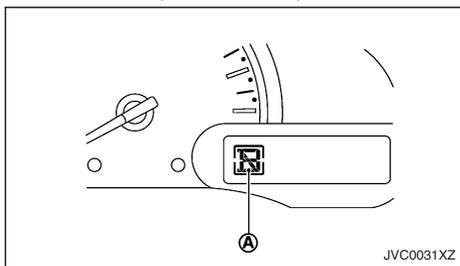
The low fuel warning light in the meter illuminates when the fuel level in the tank is getting low. Refuel as soon as it is convenient, before the gauge reads 0.

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

CAUTION

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

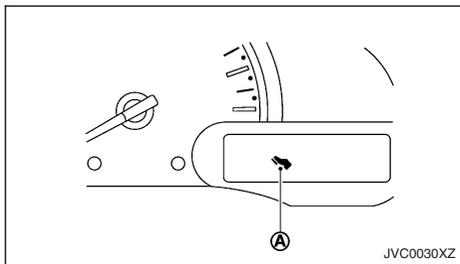
CONTINUOUSLY VARIABLE TRANSMISSION (CVT) POSITION INDICATOR (where fitted)



Type B and C

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

ENGINE START OPERATION INDICATOR (where fitted)



Type B

The engine start operation indicator (A) appears when the selector lever is in the "P" (Park) position. This indicator means that the engine will start by pushing the ignition switch with the brake pedal depressed. You can start the engine directly in any position.

WARNING/INDICATOR LIGHTS AND AUDIBLE REMINDERS

	Anti-lock Braking System (ABS) warning light*		Supplemental Restraint System (SRS) air bag warning light*		Malfunction Indicator Light (MIL)
	Brake warning light		P position selecting warning light*		Rear fog light indicator light
	Charge warning light		Low fuel warning light		Security indicator light*
	Door open warning light*		Electronic Stability Programme (ESP) warning light*		Slip indicator light*
	Electric power steering warning light		Cruise control on indicator light*		Speed limiter indicator light*
	Engine oil pressure warning light		Cruise control/speed limiter set indicator light*		SPORT mode indicator light*
	Intelligent Key system warning light*		Electronic Stability Programme (ESP) off indicator light*		Turn signals/hazard indicator lights
	Master warning light*		Front fog lights indicator light*	*: where fitted	
	High temperature warning light (red)		Front passenger air bag status light*		
	Seat belt warning light*		High beam indicator light		

CHECKING BULBS

With all doors closed, apply the parking brake, fasten the seat belts and turn the ignition switch to the "ON" position without starting the engine. The following lights will illuminate: , , , , **PS**.

Where fitted, the following lights will illuminate briefly and then turn off:

, **SPORT**, , , , , 

If any lights fail to illuminate, it may indicate a burned-out bulb or an open circuit in the electrical system.

Have the system checked, and if necessary repaired, by a NISSAN dealer or qualified workshop promptly.

Some indicators and warnings are also displayed on

the vehicle information display (where fitted) below the speedometer. (See "Vehicle information display (where fitted)" later in this section.)

WARNING LIGHTS



Anti-lock Braking System (ABS) warning light (where fitted)

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 or qualified workshop promptly.

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



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 or qualified workshop.**

- **Even if you judge it to be safe, have your vehicle towed because driving it could be dangerous.**
- **Depressing the footbrake 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 parking brake is released, the brake warning light turns off.

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" in the "8. Maintenance and do-it-yourself" section.)

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

Anti-lock Braking System (ABS) warning indicator (where fitted):

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 or qualified workshop promptly. (See "Anti-lock Braking System (ABS) warning light (where fitted)" earlier in this section.)



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" in the "8. Maintenance and do-it-yourself" section.)

If the alternator belt appears to be functioning cor-

rectly but the charge warning light remains illuminated, have the charging system checked by a NISSAN dealer or qualified workshop promptly.

CAUTION

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



Door open warning light
(where fitted)

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.



Electric power steering warning light

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

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" in the "5. Starting and driving" section.)



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 or qualified workshop.

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" in the "8. Maintenance and do-it-yourself" section.)**



Intelligent Key system warning light (where fitted)

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 "Battery" in the "8. Maintenance and do-it-yourself" section.
- 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 yellow 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 or qualified workshop for repair as soon as possible.



Master warning light
(where fitted)

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

- NO KEY warning
- Low fuel warning
- Parking brake release warning
- Door/back door open warning

(See “Vehicle information display (where fitted)” later in this section)



High temperature warning light (red)

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 “Engine overheat” in the “6. In case of emergency” section for the immediate action required.)



Seat belt warning light (where fitted)

When the ignition switch is in the “ON” position, the seat belt warning light illuminates. The light will continue to illuminate until the front seat belt is fastened. (See “Seat belts” in the “1. Safety — seats, seat belts and supplemental restraint system” section.)

When the vehicle speed exceeds 15 km/h (10 MPH), the light will blink and the chime will sound

unless the front seat belt is securely fastened. The chime will continue to sound for about 90 seconds until the seat belt is fastened.



Supplemental Restraint System (SRS) air bag warning light (where fitted)

When the ignition switch is in the “ON” or “START” 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 need servicing. Have the system checked, and if necessary repaired, by a NISSAN dealer or qualified workshop 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 may not function properly. (See “Supplemental Restraint System (SRS)” in the “1. Safety — seats, seat belts and supplemental restraint system” section.)



P position selecting warning light (where fitted)

The warning light blinks in red when the ignition switch is pushed to stop the engine with the selector lever in any position except the “P” (Park) position.

If this warning appears, move the selector 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 (where fitted)” in the “3. Pre-driving checks and adjustments” section.



Low fuel warning light

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.



Electronic Stability Programme (ESP) warning light (where fitted)

When the ignition switch is in the “ON” position, the ESP warning light illuminates and then turns off.

The warning light blinks when the ESP 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 placed in the "ON" position, it may indicate that the ESP or dynamic cornering enhancement (where fitted) is not functioning properly and may need servicing. Have the system checked, and if necessary repaired, by a NISSAN dealer or qualified workshop promptly.

If a malfunction occurs in the system, the ESP system function will be cancelled but the vehicle is still driveable.

See "Electronic Stability Programme (ESP) System (where fitted)" in the "5. Starting and driving" section.

INDICATOR LIGHTS



Cruise control on indicator light (where fitted)

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 (where fitted)" in the "5. Starting and driving" section.)



Cruise control/speed limiter set indicator light (where fitted)

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

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

If the cruise control/speed limiter set indicator light blinks while the engine is running, or while driving, it may indicate the cruise control/speed limiter system is not functioning properly and may need servicing. Have the system checked, and if necessary repaired, by a NISSAN dealer or qualified workshop promptly. (See "Cruise control (where fitted)" in the "5. Starting and driving" section and "Speed limiter (where fitted)" in the "5. Starting and driving" section.)



Electronic Stability Programme (ESP) off indicator light (where fitted)

The Electronic Stability Programme (ESP) off indicator light illuminates when the ESP off switch is pushed to the "OFF" position.

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

If the ESP off indicator light and slip indicator light illuminate while the engine is running or while driving, it may indicate the ESP system is not functioning properly and may need servicing. Have the system checked, and if necessary repaired, by a

NISSAN dealer or qualified workshop promptly. (See "Electronic Stability Programme (ESP) System (where fitted)" in the "5. Starting and driving" section.)



Front fog lights indicator light (where fitted)

The front fog lights indicator light illuminates when the front fog lights are on. (See "Fog light switch (where fitted)" later in this section.)



Front passenger air bag status light (where fitted)

The front passenger air bag status light located on the instrument panel will illuminate when the front passenger air bag is turned off with the front passenger air bag switch. When the front passenger air bag is turned on, the front passenger air bag status light will turn off.

For more details, see "Supplemental Restraint System (SRS)" in the "1. Safety — seats, seat belts and supplemental restraint system" section.



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" later in this section)



Malfunction Indicator Light (MIL)

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 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 or qualified workshop 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 or qualified workshop promptly. You do not need to have your vehicle towed to the dealer.

Malfunction Indicator Light (MIL) blinking:

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 or qualified workshop promptly.

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.

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.**



Rear fog light indicator light

The rear fog light indicator light illuminates when the rear fog light is on. (See "Fog light switch (where fitted)" later in this section.)



Security indicator light (where fitted)

The security indicator light blinks when the ignition switch is in the "LOCK", "OFF" or "ACC" position. This function indicates the NATS (NISSAN Anti-Theft System)* equipped on the vehicle is operational.

(* immobilizer)

If NATS is malfunctioning, this light will remain on while the ignition switch is in the "ON" position. (See "Security system (where fitted)" in the "3. Pre-driving checks and adjustments" section for additional information.)



Slip indicator light (where fitted)

When the ignition switch is in the "ON" position, the slip indicator light illuminates and then turns off. This indicates that the Electronic Stability Programme (ESP) system is operational.

The slip indicator light blinks when the ESP system is operating.

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

If the ESP off indicator light and slip indicator light illuminate while the engine is running or while driving, it may indicate that the ESP system is not functioning properly and may need servicing. Have the system checked, and if necessary repaired, by a NISSAN dealer or qualified workshop promptly. (See "Electronic Stability Programme (ESP) System (where fitted)" in the "5. Starting and driving" section.)



Speed limiter indicator light (where fitted)

This light illuminates when the speed limiter main switch is pushed. The light turns off when the main switch is pushed again. When the speed limiter main switch indicator light illuminates, the speed limiter system is operational. (See "Speed limiter (where fitted)" in the "5. Starting and driving" section.)

SPORT**SPORT mode indicator light (where fitted)**

The SPORT mode indicator light illuminates when the SPORT mode is turned "ON". (See "Driving vehicle" in the "5. Starting and driving" section for the use of the SPORT mode switch.)

**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" later in this section or "Hazard indicator flasher switch" later in this section.)

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 or qualified workshop promptly. (See "Brakes" in the "8. Maintenance and do-it-yourself" section section.)

Intelligent Key buzzer (where fitted)

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

- The ignition switch is not returned to the LOCK position when locking the doors.
- The Intelligent Key is left inside the vehicle when locking the doors.
- Any doors are not closed securely when locking the doors.

When the buzzer sounds, be sure to check both the vehicle and the Intelligent Key. (See "Intelligent Key system (where fitted)" in the "3. Pre-driving checks and adjustments" section.)

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 "OFF" position.

Light reminder chime

The light reminder chime will sound if the driver's door is opened while the headlight switch is in the  or  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.

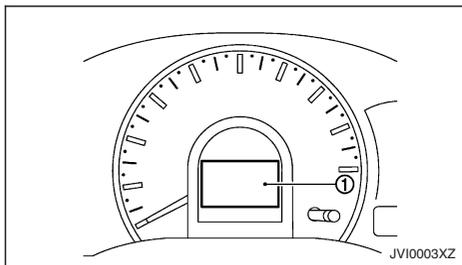
Parking brake reminder chime

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

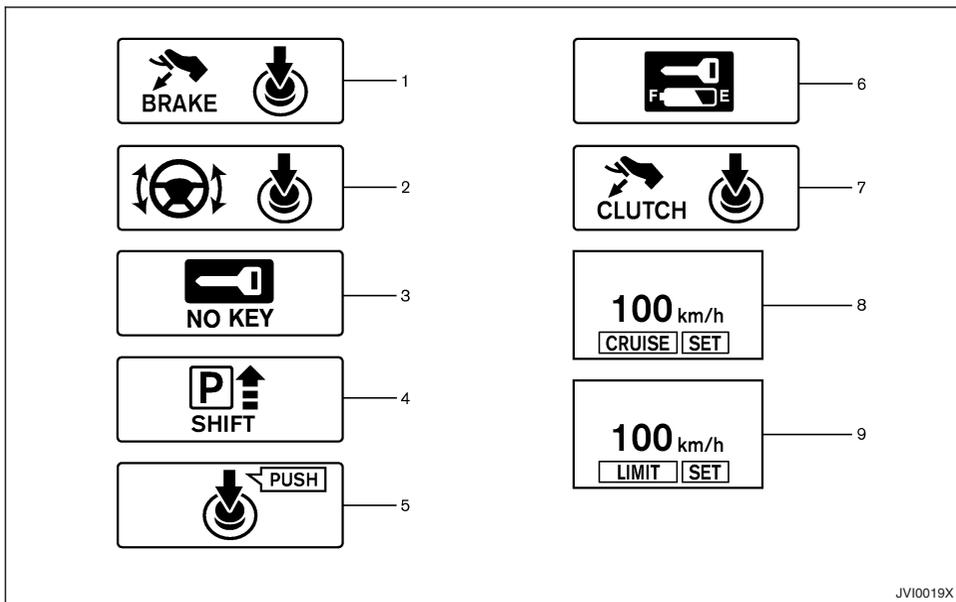
Seat belt warning chime (where fitted)

When the vehicle speed exceeds 15 km/h (9 MPH), the chime will sound unless the front seat belt is securely fastened. The chime will continue to sound for about 90 seconds until the seat belt is fastened.

VEHICLE INFORMATION DISPLAY (where fitted)



The vehicle information display ① displays the warnings and information.



INDICATORS FOR OPERATION

1. Engine start operation indicator (CVT model)

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

This indicator means that the engine will start by

pushing the ignition switch with the brake pedal depressed. You can start the engine directly in any position.

2. Steering lock release malfunction indicator

This indicator appears when the steering wheel cannot be released from the "LOCK" position.

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

3. [NO KEY] warning

This warning appears in either of the following conditions.

No key inside the vehicle:

The warning appears 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.

Unregistered Intelligent Key:

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

See "Intelligent Key system (where fitted)" in the "3. Pre-driving checks and adjustments" section for more details.

4. [SHIFT P] warning

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

If this warning appears, move the selector 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 (where fitted)" in the "3. Pre-driving checks and adjustments" section.)

5. [PUSH] warning

This warning appears when the selector lever is moved to the P (Park) position with the ignition switch in the “ACC” position after the SHIFT “P” warning appears.

To push the ignition switch to the “OFF” position, perform the following procedure:

SHIFT “P” warning → (Move the selector lever to P)
→ **PUSH warning** → (Push the ignition switch → ignition switch position is turned to “ON”) → **PUSH warning** → (Push the ignition switch → ignition switch position is turned to “OFF”)

6. Intelligent Key battery discharge indicator

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

If this indicator appears, replace the battery with a new one. (See “Intelligent Key battery” in the “8. Maintenance and do-it-yourself” section.)

7. Engine start operation indicator (Manual Transmission models)

This indicator means that the engine will start by pushing the ignition switch with the clutch pedal depressed.

8. Cruise control indicator

The cruise main switch indicator (CRUISE) is displayed when the cruise control main switch is pushed. When the main switch is pushed again, the

CRUISE indicator disappears. When the CRUISE indicator is displayed, the cruise control system is operational.

The cruise control set indicator (SET) is displayed while the vehicle speed is controlled by the cruise control system. If the SET indicator blinks while the engine is running, it may indicate that the cruise control system is not functioning properly. Have the system checked by a NISSAN dealer or qualified workshop.

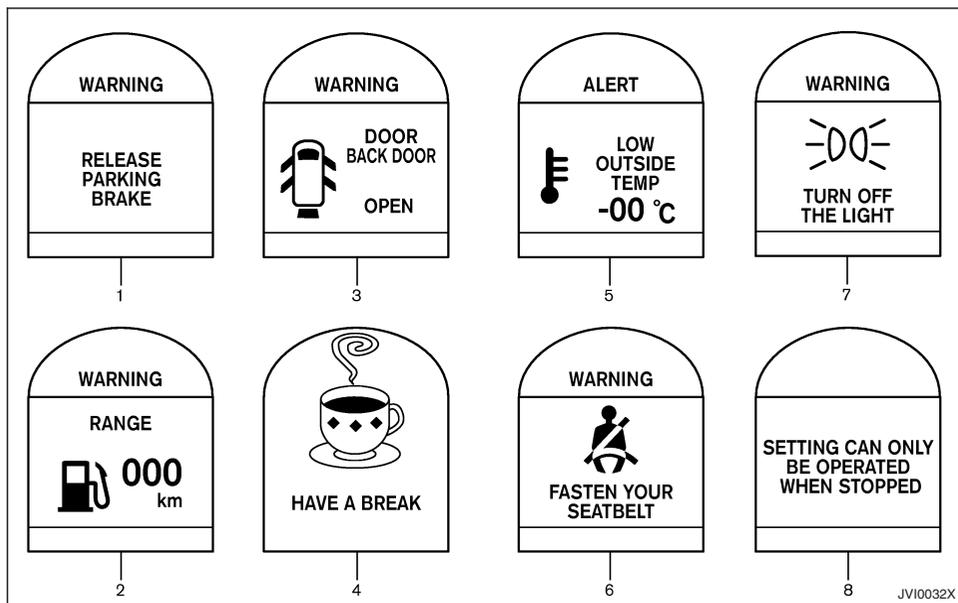
For more details, see “Cruise control (where fitted)” in the “5. Starting and driving” section.

9. Speed limiter indicator

The speed limiter main switch indicator (LIMIT) is displayed when the speed limiter main switch is pushed. When the main switch is pushed again, the LIMIT indicator disappears.

The speed limiter set indicator (SET) is displayed while the speed limiter is activated.

For more details, see “Speed limiter (where fitted)” in the “5. Starting and driving” section.



WARNINGS AND ALERTS

1. [RELEASE PARKING BRAKE] warning

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

2. Low fuel [RANGE] warning

This warning appears 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 is a small reserve of fuel remaining in the tank when the fuel gauge reaches the empty (0) position.

3. [DOOR]/[BACK DOOR] [OPEN] warning (ignition switch is in the ON position)

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

4. “Time to rest” indicator

This indicator appears when the set “time to rest” indicator activates. You can set the time for up to 6 hours. (See “Trip computer (For Type C)” later in this section.)

5. Low outside temperature warning

This warning appears if the outside temperature is 3°C or below. The warning can be set not to be displayed. (See “Trip computer (For Type C)” later in this section.)

6. Seat belt warning light

When the ignition switch is in the “ON” position, the seat belt warning light illuminates. The light will continue to illuminate until the front seat belt is fastened. (See “Seat belts” in the “1. Safety — seats, seat belts and supplemental restraint system” section.)

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

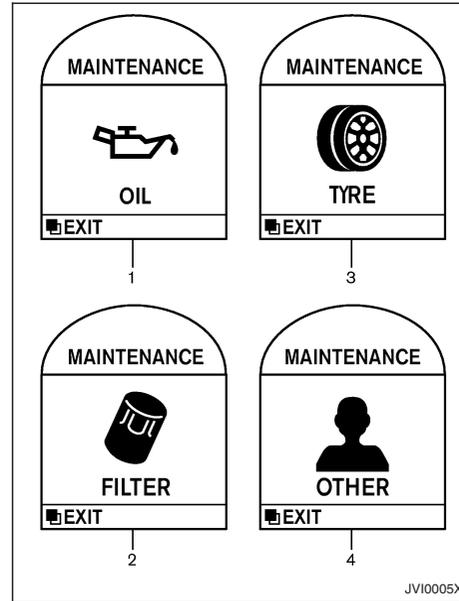
7. Small light indicator light

The small light indicator light illuminates when the front side lights, instrument panel lights, rear combination lights and number plate lights are on. The indicator light turns off when the  is turned off.

8. Setting menu operation warning

The warning appears when you try to operate the setting menu while driving. The setting menu can only be entered if the vehicle is stationary.

INDICATORS FOR MAINTENANCE



1. Engine [OIL] replacement indicator

This indicator appears when the set time comes for changing the engine oil. You can set or reset the distance for changing the engine oil. (See "Trip computer (For Type C)" later in this section.)

2. Oil [FILTER] replacement indicator

This indicator appears when the set time comes for replacing the oil filter. You can set or reset the distance for replacing the oil filter. (See "Trip computer (For Type C)" later in this section.)

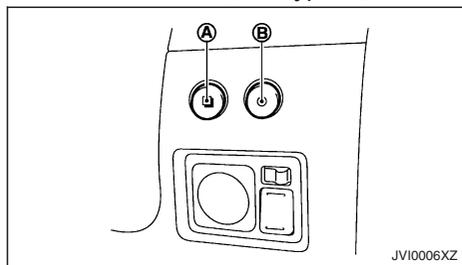
3. [TYRE] replacement indicator

This indicator appears when the set time comes for replacing tyres. You can set or reset the distance for replacing tyres. (See "Trip computer (For Type C)" later in this section.)

4. [OTHER] indicator

This indicator appears when the set time comes for replacing items other than the engine oil, oil filter and tyres. You can set or reset the distance for replacing the items. (See "Trip computer (For Type C)" later in this section.)

TRIP COMPUTER (For Type C)



Switches for the trip computer are located on the left or right side of the combination meter panel. To operate the trip computer, push the switches as shown above.

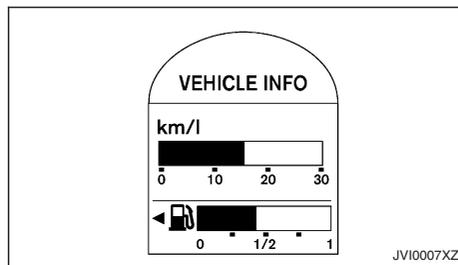
- Ⓐ  ENTER switch
- Ⓑ  NEXT switch

When the ignition switch is pushed to the ON position, modes of the trip computer can be selected by pushing the  switch (Ⓐ).

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

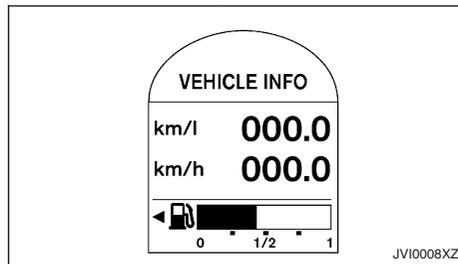
Current fuel consumption → Average fuel consumption and speed → Elapsed time and trip odometer (where fitted) → Distance to empty → Outside air temperature → Setting → Warning check

Current fuel consumption (km/l or l/100 km or MPG)



The current fuel consumption mode shows the current fuel consumption.

Average fuel consumption (km/l or l/100 km or MPG) and speed (km/h or MPH)



Fuel consumption:

The average fuel consumption mode shows the average fuel consumption since the last reset. Resetting is done by pushing the  switch (Ⓑ) for longer than 1 second. (The average speed is also reset at the same time.)

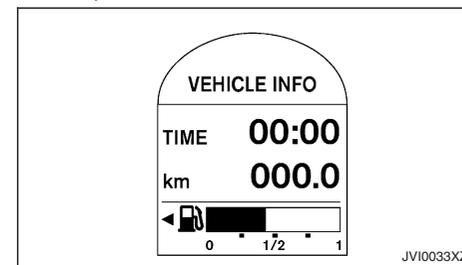
The display is updated every 30 seconds. At about the first 500 m after a reset, the display shows “—”.

Speed:

The average speed mode shows the average vehicle speed since the last reset. Resetting is done by pushing the  switch (Ⓑ) for longer than 1 second. (The average fuel consumption is also reset at the same time.)

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

Elapsed time and trip odometer (km or MILES)



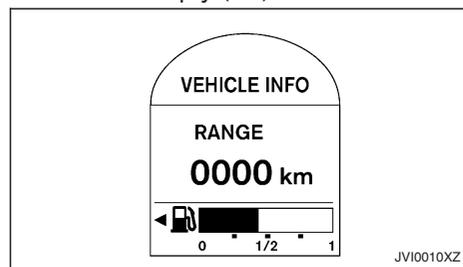
Elapsed time:

The elapsed time mode shows the time since the last reset. The displayed time can be reset by pushing the  switch (B) for longer than 1 second. (The trip odometer is also reset at the same time.)

Trip odometer (where fitted):

The trip odometer mode shows the distance that the vehicle has been driven since the last reset. Resetting is done by pushing the  switch (B) for longer than 1 second. (The elapsed time is also reset at the same time.)

Distance to empty (km)



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

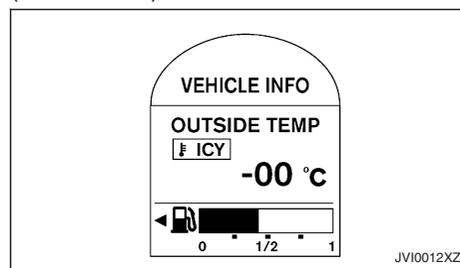
The display is updated every 30 seconds.

The dte mode includes a low range warning feature. If the fuel level is low, the warning is displayed on the screen.

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 pushed to the "OFF" position may continue to be displayed.
- When driving uphill or rounding curves, the fuel in the tank shifts, which may momentarily change the display.

Outside air temperature (°C) (where fitted)



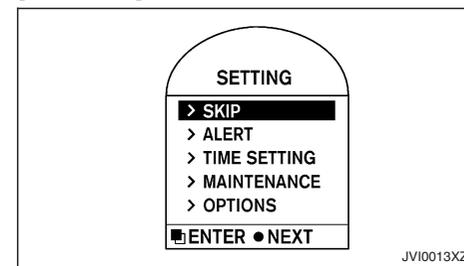
The outside air temperature is displayed in °C in the range of -30 to 60°C.

The outside air temperature mode includes a low

temperature warning feature. If the outside air temperature is 3°C or below, the warning "ICY" is displayed on the screen.

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

[SETTING]



Setting cannot be made while driving. A message "Setting can only be operated when stopped" is also displayed on the vehicle information display.

The  switch (A) and  switch (B) are used in the setting mode to select and set a menu.

[SKIP]:

Push the  switch (A) to move to the warning check mode.

Push the  switch (B) to select other menus.

[ALERT]:

The alert menu can be set to notify the following items.

- [TIMER]

Select this submenu to specify when the “time to rest” indicator activates.
- [ICY]

Select this submenu to display the low outside temperature warning.

To return to the top page of the setting mode, select [BACK].

[TIME SETTING] (current time):

- SETTING

Adjust the date and time (hour and minute) of the clock on the triple meter.

The birthday and anniversary message reminds you of the anniversary or a birthday the driver should remember.

- [BIRTHDAY]

Select this submenu to adjust the date of the Birthday message.

- [ANNIVERSARY]

Select this submenu to adjust the date of the Anniversary message.

[MAINTENANCE]:

The maintenance intervals of the following items can be set or reset for the reminders.

- [OIL]

Select this submenu to set or reset the distance for changing the engine oil.
- [FILTER]

Select this submenu to set or reset the distance for replacing the oil filter.
- [TYRE]

Select this submenu to set or reset the distance for replacing tyres.
- [OTHER]

Select this submenu and set or reset the distance for replacing items other than the engine oil, oil filter and tyres.

To return to the top page of the setting mode, select “BACK”.

OPTIONS:

The option menu below can be set to your preference.

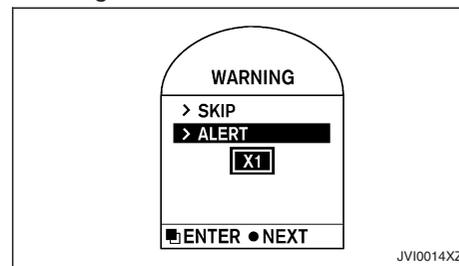
- [UNIT]

Select this submenu to choose the unit.

- [LANGUAGE]

Select this submenu to choose language for the display.

To return to the top page of the setting mode, select [BACK].

Warning check

To see if there are any of the following warnings and corresponding details, select this menu.

- No key warning
- Low fuel warning
- Parking brake release warning
- Door/back door open warning

[SKIP]:

Push the  switch (A) to move to the warning check mode.

Push the  switch (B) to select other menus.

HEADLIGHT AND TURN SIGNAL SWITCH

[ALERT]:

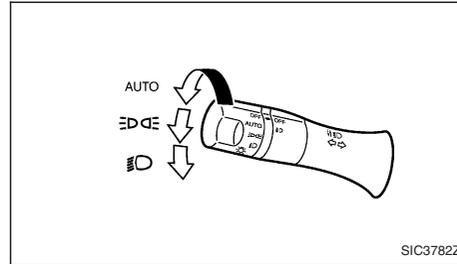
This item is available only when a warning is displayed.

Select this menu to see the details of warnings.

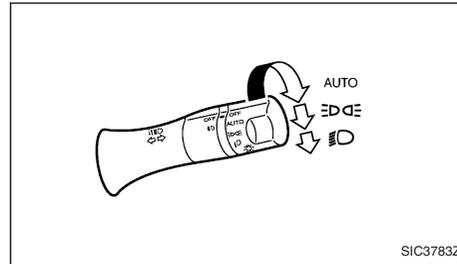
Resetting displays

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

HEADLIGHT SWITCH



Type A



Type B

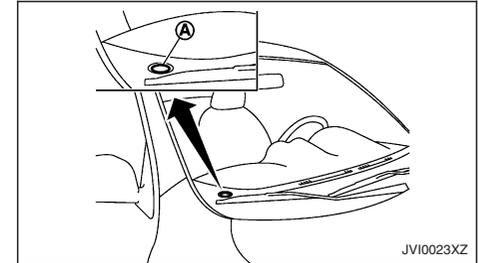
NISSAN recommends that you consult the local regulations concerning the use of lights.

AUTO position (where fitted)

When the ignition switch is in the "ON" position and the headlight switch is in the "AUTO" position, the headlights, front side lights, instrument panel lights,

rear combination light, and other lights turn on automatically depending on the brightness of the surroundings.

When the ignition switch is turned to the "OFF" position, the lights will turn off automatically.



CAUTION

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

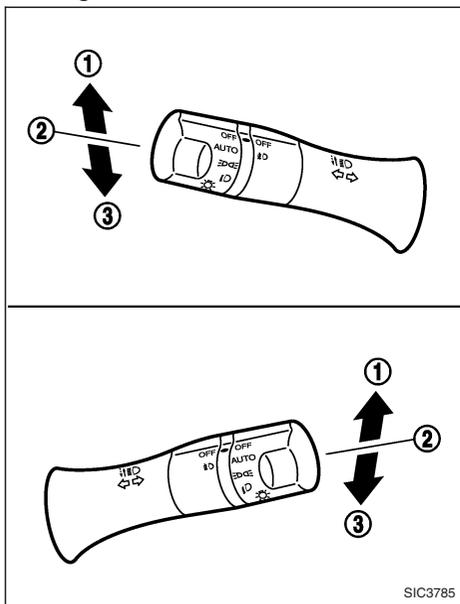
 position

The  position turns on the front side lights, instrument panel lights, rear combination lights and other lights.

 position

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

Headlight beam



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.

Where fitted, 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.

Daytime light system (where fitted)

Even if the headlight switch is off, the daytime lights will come on after starting the engine. However, you cannot change low beam to high beam when the light switch is off.

When the light switch is turned to the  position, the headlight low beam will turn off.

BATTERY SAVER SYSTEM

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

- The headlight switch is in either the , or  position, and the ignition switch is in the “ACC”, “OFF” or “LOCK” position.
- The headlight switch is in the “AUTO” position and the front (where fitted) or rear fog light is turned on while the ignition switch is in the “ACC”, “OFF” or “LOCK” position.

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

When the headlight switch is in the  or  position while the engine is running, the lights will automatically turn off after pushing the ignition switch to the “ACC”, “OFF” or “LOCK” position and opening the driver's side door.

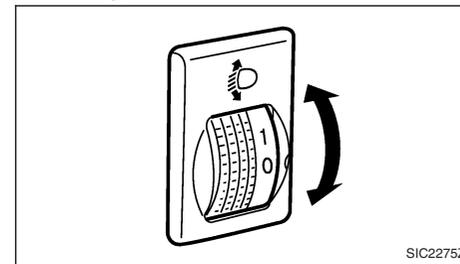
When the headlight switch remains in either the  or  position after the lights automatically turn off, the lights will turn on when the engine is started.

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 (where fitted)

Manual type



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.

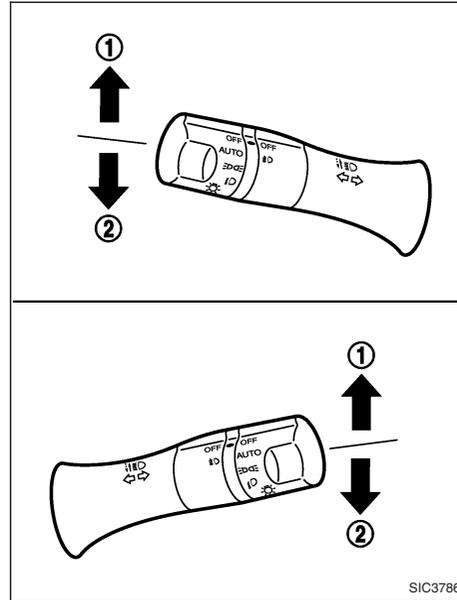
If the vehicle is travelling on a hilly road, the headlights may directly shine on the rearview and outside mirrors of a vehicle ahead or the windscreen of an oncoming vehicle, which may obscure other drivers' vision.

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

Select the switch position by referring to the following samples.

Switch position	Number of front seat occupants	Number of rear seat occupants	Weight of load in luggage compartment
0	1 or 2	No occupants	No load
1	2	3	No load
2	2	3	Approximately 48 kg (106 lb)
3	1	No occupants	Approximately 279 kg (615 lb)

TURN SIGNAL SWITCH



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

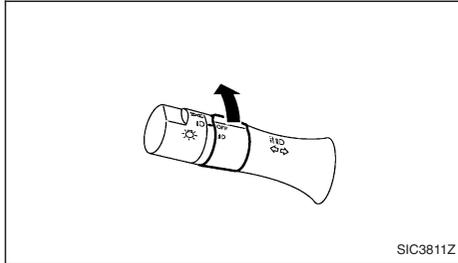
To turn on the lane change signals, move the lever up (1) or down (2) towards the desired direction.

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

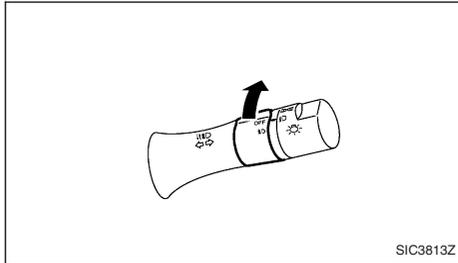
To cancel the flashing, move the lever to the opposite direction.

FOG LIGHT SWITCH (where fitted)

FRONT FOG LIGHTS



Type A



Type B

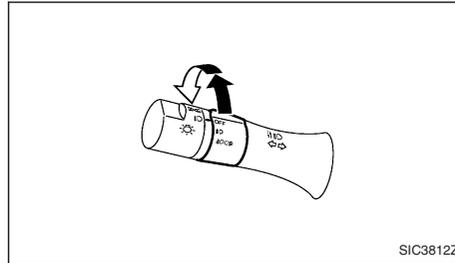
To turn on the front fog lights, turn the fog light switch to the  position with the headlight switch in the  or  position.

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

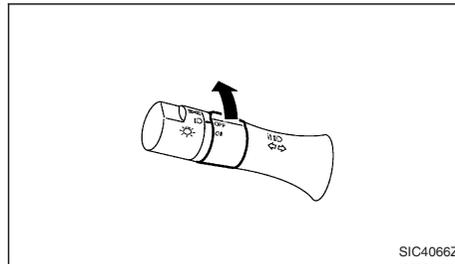
When the headlight switch is in the "AUTO" position (where fitted):

- Turning the fog light switch to the  position will turn on the headlights, fog lights and the other lights while the ignition switch is in the "ON" position or the engine is running.

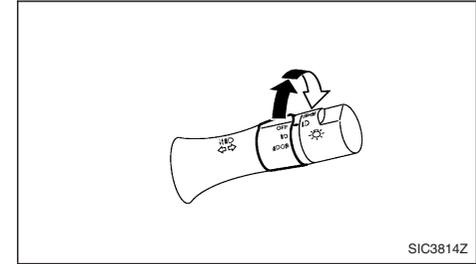
REAR FOG LIGHT



Type A



Type B



Type C

To turn on the rear fog light, turn the fog light switch to the  or  position. The switch returns to the  position automatically, and the rear fog light will illuminate with the front fog lights. Make sure the  indicator light on the instrument panel illuminates.

To turn off the rear fog light, turn the fog light switch to the  position again. Make sure the  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.

When the headlight switch is in the "AUTO" position (where fitted):

- Turning the fog light switch to the  position will turn on the headlights, fog lights and the other lights while the ignition switch is in the "ON" position or the engine is running.

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

WIPER AND WASHER SWITCH

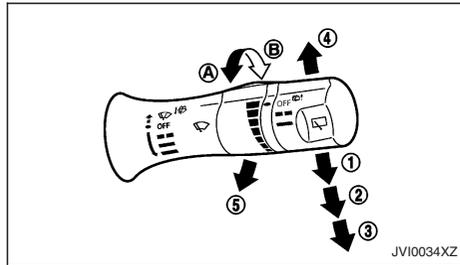
WARNING

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

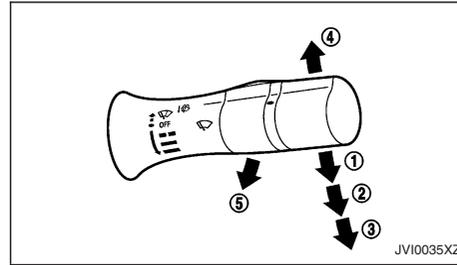
CAUTION

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

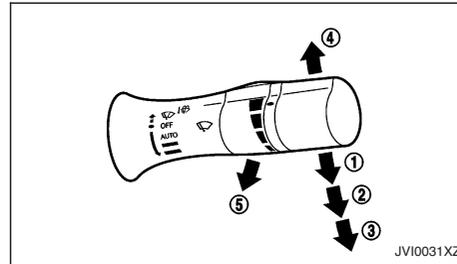
WINDSCREEN WIPER AND WASHER SWITCH



Type A



Type B



Type C

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

Wiper operation

The lever position ① operates the wiper intermittently. Where fitted the intermittent operation can be adjusted by turning the adjustment control knob, (longer) (A) or (shorter) (B).

The lever position ② (LO or ) operates the wiper at low speed.

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

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

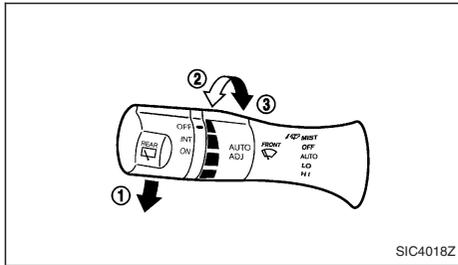
The lever position ④ (MIST or ) operates the wiper one sweep. The lever automatically returns to its original position.

If the windscreen wiper operation is interrupted by snow etc., the wiper may stop moving to protect its motor. If this occurs, turn the wiper switch to OFF and remove the snow etc. on and around the wiper arms. In approximately 20 seconds, turn the switch ON again to operate the wiper.

Washer operation

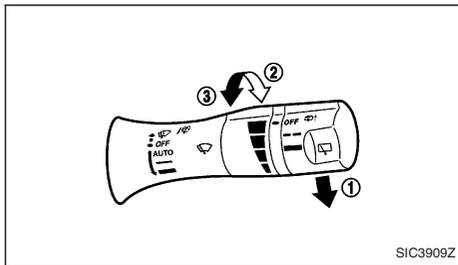
To operate the washer, pull the lever toward the back of the vehicle ⑤ until the desired amount of washer fluid is spread on the windscreen. The wiper will automatically operate several times.

RAIN-SENSING AUTO WIPER SYSTEM (where fitted)



Type A

SIC4018Z



Type B

SIC3909Z

The rain-sensing auto wiper system can automatically turn on the wipers and adjust the wiper speed depending on the rainfall and the vehicle speed by using the rain sensor located on the upper part of the windscreen.

To set the rain-sensing auto wiper system, push the

lever down to the AUTO position ①. The wiper will sweep once while the ignition switch is in the "ON" position.

The rain sensor sensitivity level can be adjusted by turning the knob toward the front ② (High) or toward the rear ③ (Low).

- High — High sensitive operation
- Low — Low sensitive operation

To turn the rain-sensing auto wiper system off, push up the lever to the OFF position, or pull down the lever to the "—" (LO) or "—" (HI) position.

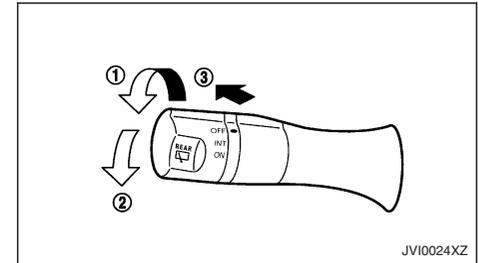
CAUTION

Do not touch the rain sensor and around it when the wiper switch is in the AUTO position and the ignition switch is in the "ON" position. The wipers may operate unexpectedly and cause to an injury or a wiper damage.

- The rain-sensing auto wipers are intended for use during rain. If the switch is left in the AUTO position, the wipers may operate unexpectedly when dirt, fingerprints, oil film or insects are stuck on or around the sensor. The wipers may also operate when exhaust gas or moisture affect the rain sensor.
- When the windscreen glass is coated with water repellent, the speed of the rain-sensing auto wipers may be higher even though the amount of the rainfall is small.
- Be sure to turn off the rain-sensing auto wiper system when you use a car wash.

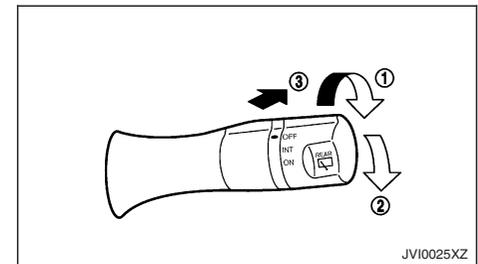
- The rain-sensing auto wipers may not operate if rain does not hit the rain sensor even if it is raining.

REAR WINDOW WIPER AND WASHER SWITCH (where fitted)



Type A

JVI0024XZ



Type B

JVI0025XZ

If the rear window wiper operation is interrupted by snow etc., the wiper may stop moving to protect its motor. If this occurs, turn the wiper switch to OFF and remove the snow etc. on and around

DEFOGGER SWITCH

the wiper arms. In approximately 1 minute, turn the switch ON again to operate the wiper.

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

Wiper operation

The switch position INT ① operates the wiper intermittently.

The switch position ON ② operates the wiper continuously.

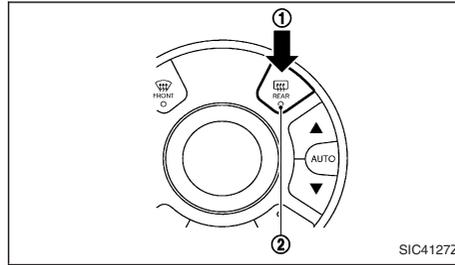
To stop the wiper operation, turn the switch to the OFF position.

Reverse synchronisation function (where fitted):

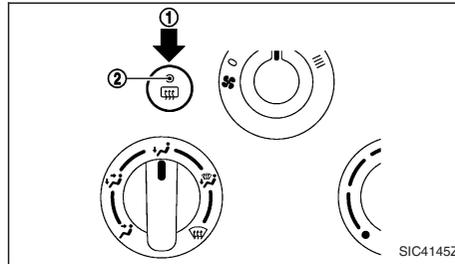
When the windscreen wiper switch is on, moving the selector lever to the "R" (Reverse) position will operate the rear window wiper. The rear window wiper will be operated once every 7 seconds while the above conditions are kept.

Washer operation

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



Type A



Type B

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

CAUTION

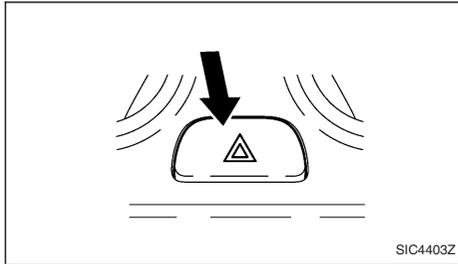
- When operating the defogger continuously, be sure to start the engine. Otherwise, it may cause the battery to discharge.
- When cleaning the inner side of the window, be careful not to scratch or damage the electrical conductors on the surface of the window.

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.

HAZARD INDICATOR FLASHER SWITCH

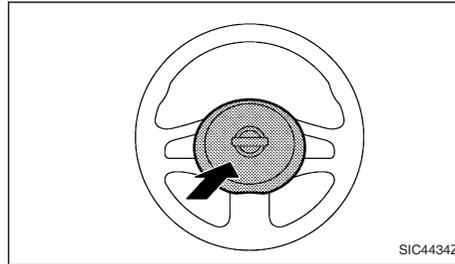


The hazard indicator flasher switch operates with the ignition switch in any position except when the battery is discharged.

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.

HORN

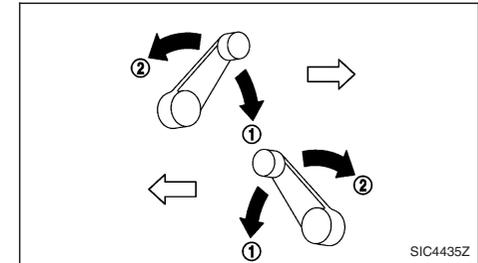


The horn switch operates with the ignition switch in any position except when the battery is discharged.

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

WINDOWS

MANUAL WINDOWS (where fitted)



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

POWER WINDOWS (where fitted)



WARNING

- Make sure that all passengers have their hands, etc. inside the vehicle before operating the power windows.
- Never leave children or adults who would normally require the support of others alone in the vehicle. They could unknowingly activate switches or controls and inadvertently become involved in an accident.

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

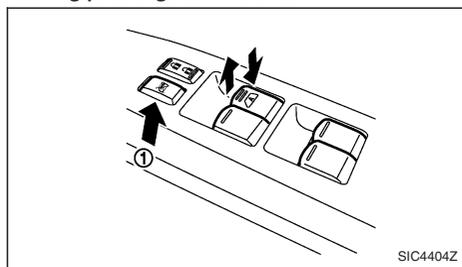
To open a window, push down the power window switch.

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:

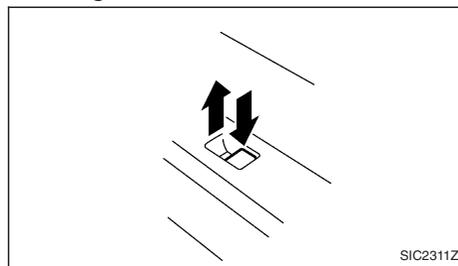


Front and rear type

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

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

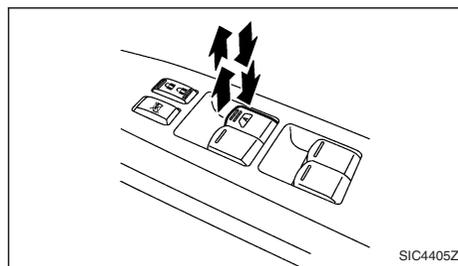
Passenger's window switch



The passenger's switch can control its corresponding window.

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

Automatic function



Front and rear type

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 (where fitted) without holding the switch down or up.

To fully open the window, push the power window switch down to the second detent and release the switch. To fully close the window (where fitted), 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.

Window timer (where fitted):

The window timer allows the window switch to be operated for 15 minutes even if the ignition switch is turned off and the key is removed. The window timer will be cancelled when the corresponding door is opened or the preset time has expired.

Auto-reverse function (where fitted):



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,

SUNSHADE (where fitted)

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 initialise the power window functions.

1. Turn the ignition switch to the "ON" position.
2. If the driver's window is closed, open it completely by operating the driver's window switch.
3. 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.

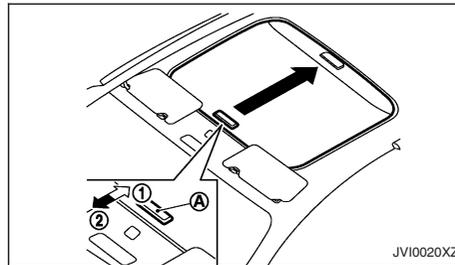
If the power window functions do not operate properly after performing the above procedure, repeat the steps. See a NISSAN dealer or qualified workshop, if necessary, for checking the power window system.

WARNING

Never allow hands, fingers, or any part of your body within operating range of the sunshade. You could be injured.

CAUTION

- Do not place any heavy objects on the roof glass or surrounding area.
- Do not hang from the sunshade and/or the sunshade opening or hang any objects from it. It may cause damage or deformation to the sunshade.
- Close the sunshade when you leave the vehicle for extended periods of time to prevent the inside of the vehicle from reaching high temperatures.



To open or close the sunshade, operate the knob .

To open the sunshade, slide it toward the front of the vehicle . To close, slide the sunshade toward the rear of the vehicle .

CLOCK

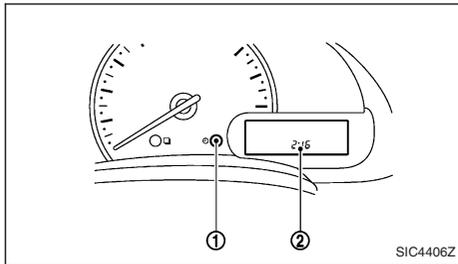
If the battery cable is disconnected, the clock will reset its time and the correct time will not be indicated. Readjust the time.

For model with the vehicle information display, see "Vehicle information display (where fitted)" earlier in this section

For the clock adjustment in the audio unit (where fitted). See "Audio system (where fitted)" in the "4. Heater and air conditioner, and audio system" section.

ADJUSTING TIME

Meter display model (where fitted)



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 adjusting knob ①. The following is the order of the display:

1. Push the clock adjusting knob ① for 3 seconds or more to enter time adjust mode.

The hours display will start to flash.

2. Push the clock adjusting knob ① to adjust the hour.

To advance the time, hold down the knob ①.

3. Wait at least 5 seconds for the minute display to flash.

4. Push the clock adjusting knob ① to adjust the minutes.

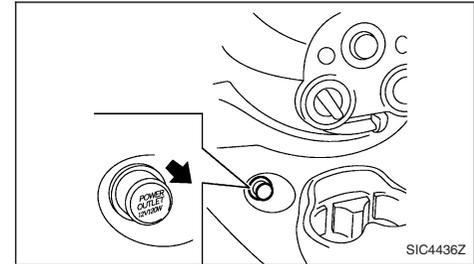
To advance the time, hold down the knob ①.

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

5. Push the clock adjusting knob 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 adjusting knob.

POWER OUTLETS (where fitted)



The power outlet is for powering electrical accessories such as mobile 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 outlets with the engine running to avoid discharging the vehicle battery.
- Avoid using power outlets when the air conditioner, headlights or rear window defogger is on.

STORAGE

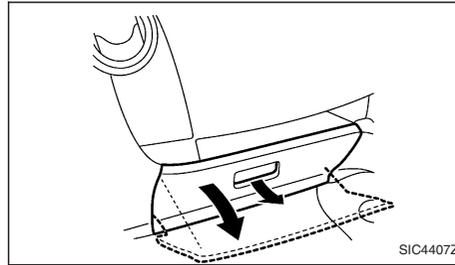
- Before inserting or disconnecting a plug, be sure to turn off the power switch of the electrical accessory being used and the ignition switch.
- Push the plug in as far as it will go. If good contact is not made, the plug may overheat or the internal temperature fuse may open.
- Do not allow water to contact the outlet.
- When not in use, be sure to close the cap.



WARNING

- The storage compartments 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.

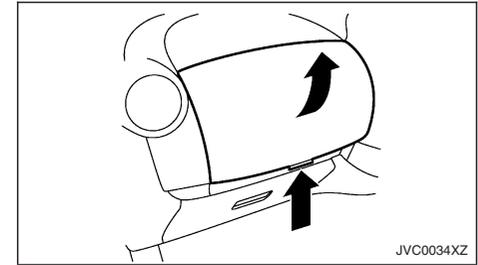
GLOVE BOX



To open the glove box, pull the handle.

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

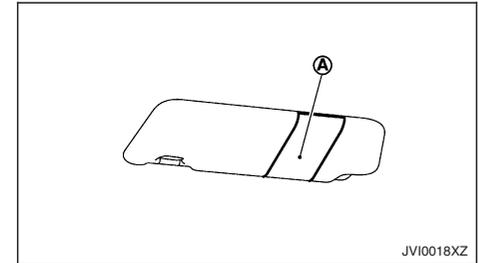
UPPER INSTRUMENT BOX (where fitted)



To open the upper instrument box, push the button.

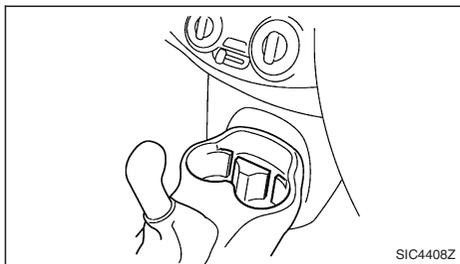
To close, push the lid down.

CARD HOLDER (where fitted)

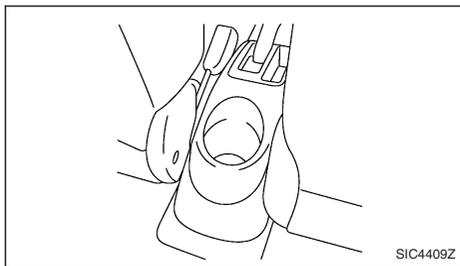


Pull the sun visor down and slide a card in the card holder (A).

CUP HOLDERS



Front

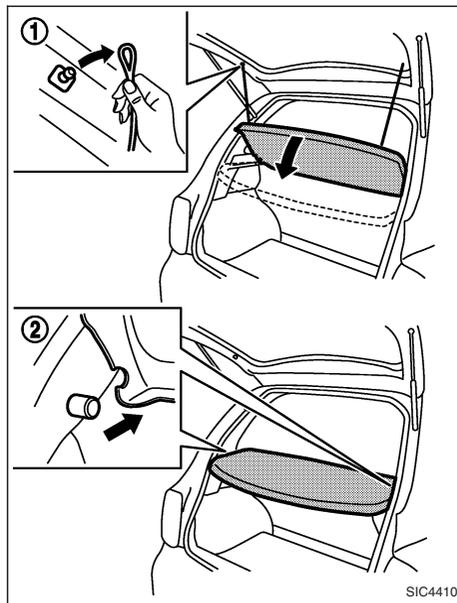


Rear

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.

TONNEAU BOARD (where fitted)



The tonneau board keeps the luggage compartment contents hidden from the outside.

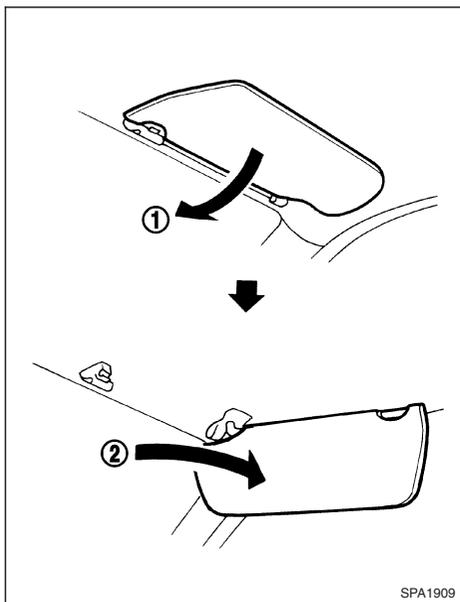
To remove the tonneau board:

1. Remove the straps ① from the back door.
2. Remove the tonneau board from the tonneau board holders ②.

⚠ WARNING

- Never put anything on the tonneau board, no matter how small. Any object on it could cause an injury in an accident or sudden stop.
- Do not leave the tonneau board in the vehicle with it disengaged from the holder.

SUN VISORS



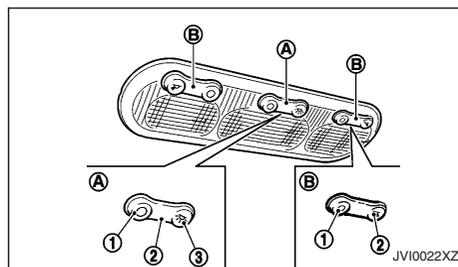
1. To block out glare from the front, swing down the sun visor ①.
2. To block glare from the side, remove the sun visor from the centre mount and swing it to the side ②.

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.

ROOM LIGHT



The room light (A) has a three-position switch.

When the switch is in the on position ③, the light illuminates.

When the switch is in the centre position ②, the room light illuminates when a door is opened.

The interior light timer will keep the room light on for approximately 30 seconds when:

- The key is removed from the ignition switch with all doors closed (model without Intelligent Key system).

- The ignition switch is placed in the "OFF" or "LOCK" position (model with Intelligent Key system).
- The driver's door is unlocked without the key in the ignition switch (model without Intelligent Key system).
- The doors are unlocked with the LOCK button (on the keyfob or Intelligent Key) or the request switch (model with Intelligent Key system) with the ignition switch in the "LOCK" position.
- The driver's door is opened and then closed with the ignition switch in the "LOCK" position and without the key in the ignition switch.

The interior light timer will be cancelled when:

- The driver's door is locked.
- The ignition switch is turned to the "ON" position.

When the switch is in the off position ①, the room light does not illuminate, regardless of any condition.

FRONT MAP LIGHTS (where fitted)

To turn on the front map light (B) (where fitted), push the on switch ②, and the light illuminates. To turn off, push the off switch ①.

Battery saver system

If any door is left open for more than 30 minutes with the room light switch placed horizontally or the room control switch in the centre position ②, the room light will automatically turn off.

3 Pre-driving checks and adjustments

Keys.....	3-2	Warning and audible reminders	3-12
NISSAN Anti-Theft System (NATS*) key	3-2	Trouble shooting guide	3-13
Intelligent Key (where fitted)	3-2	Using remote keyless entry function	3-15
Door locks	3-4	Security system (where fitted)	3-16
Super lock system (where fitted)	3-4	NISSAN Anti-Theft System (NATS).....	3-16
Locking with key	3-4	Bonnet.....	3-17
Locking with inside lock knob	3-5	Opening bonnet.....	3-17
Locking with power door lock switch (where fitted).....	3-5	Closing bonnet	3-17
Vehicle speed sensing door lock mechanism (where fitted)	3-6	Back door.....	3-18
Auto door lock releasing mechanism (where fitted).....	3-6	Opening back door.....	3-18
Child safety rear door lock.....	3-6	Fuel filler lid	3-18
Remote keyless entry system (where fitted)	3-7	Opening fuel filler lid	3-19
Using remote keyless entry system (where fitted).....	3-7	Fuel filler cap	3-19
Intelligent Key system (where fitted)	3-8	Steering wheel.....	3-19
Operating range	3-10	Mirrors.....	3-20
Using intelligent Key system.....	3-10	Inside rearview mirror	3-20
Battery saver system.....	3-12	Outside rearview mirrors.....	3-20
		Vanity mirrors (where fitted)	3-22
		Parking brake	3-22
		Lever type	3-22



KEYS

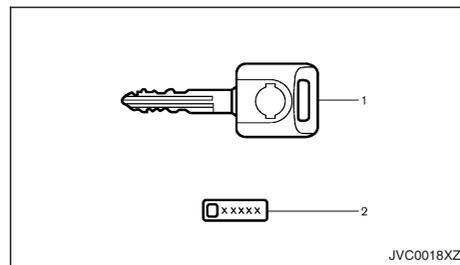
Your vehicle can only be driven with the keys specific to your vehicle. A key number plate is supplied with your key. Record the key number and keep the key number plate in a safe place, except in the vehicle, in case of the need to duplicate the keys.

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 or qualified workshop.

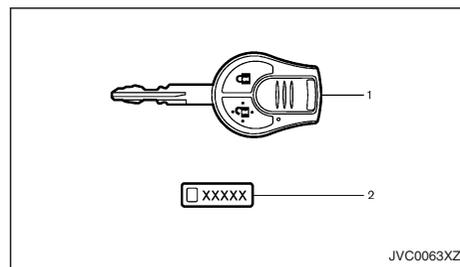
CAUTION

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

NISSAN ANTI-THEFT SYSTEM (NATS*) KEY



Type A



Type B

- 1 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 or qualified work-

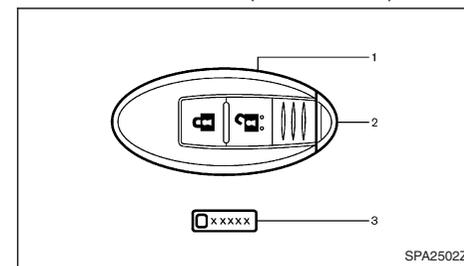
shop prior to use with the NATS of your vehicle. Since the registration process requires erasing all memory in the NATS components when registering new keys, be sure to take all NATS keys that you have to the NISSAN dealer or qualified workshop.

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 (where fitted)



- 1 Intelligent Key (2)
- 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 or qualified workshop 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 or qualified workshop.

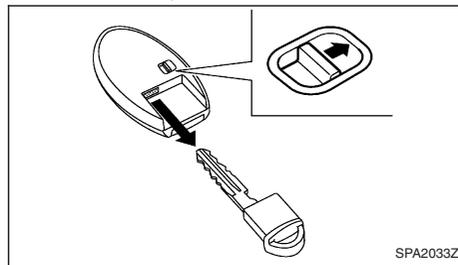
*: Immobilizer

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.
 - 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 mobile 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 unauthorised use to unlock the vehicle. For information regarding the erasing procedure, please contact a NISSAN dealer or qualified workshop.

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 "Door locks" later in this section.)

DOOR LOCKS

WARNING

- Always look before opening any doors, to avoid an accident with oncoming traffic.
- Never leave children or adults who would normally require the support of others alone in the vehicle. They could unknowingly activate switches or controls and inadvertently become involved in a serious accident.

SUPER LOCK SYSTEM (where fitted)

WARNING

For Super Lock System equipped models, failure to follow the precautions below may lead to hazardous situations. Make sure the Super Lock System activation is always safely conducted.

- When the vehicle is occupied, never lock the doors with the remote keyless entry system or the Intelligent Key system. Doing so will trap the occupants, since the Super Lock System prevents the doors from being opened from the inside of the vehicle.
- Only operate the integrated keyfob or the Intelligent Key lock button when there is a clear view of the vehicle. This is to prevent anybody from being trapped inside the vehicle through the Super Lock System activation.

Locking the doors with the integrated keyfob or the Intelligent Key "LOCK" button  or the request switch will lock all doors and activate the Super Lock System.

This means that none of the doors can be opened from the inside in order to prevent theft.

The system will be released when the door is unlocked with the integrated keyfob or the Intelligent Key "LOCK" button  or the request switch.

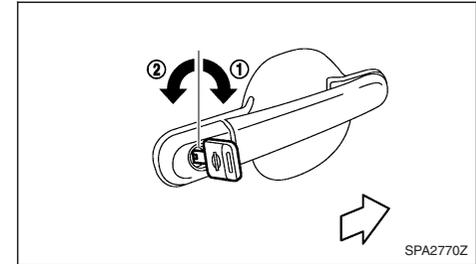
The Super Lock System will not activate when the doors are locked with the power door lock switch or mechanical key.

Emergency situations

If the Super Lock System is activated due to a traffic accident or other unexpected circumstances while you are in the vehicle:

- Place the ignition switch to the "ON" position, the Super Lock System will be released and all the doors can be unlocked with the power door lock switch. You can then open the doors.
- Unlock the door using the integrated keyfob or the Intelligent Key. The Super Lock System will be released and you can open the door.

LOCKING WITH KEY



Type A

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

For locking the back door, see "Back door" later in this section.

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

For unlocking the back door, see "Back door" later in this section.

Type B

To lock the 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. All doors including the back door will lock.

To unlock the door, turn the key to the rear of the vehicle ②. All doors including the back door will unlock.

Type C

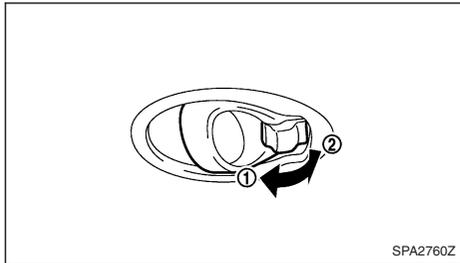
To lock the driver's door, insert the key to the door cylinder located on the driver's side door and turn the key to the front of the vehicle ①.

For locking other doors, use the power door lock switch. (See "Locking with power door lock switch (where fitted)" later in this section.)

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 (where fitted)" later in this section.)

LOCKING WITH INSIDE LOCK KNOB



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.

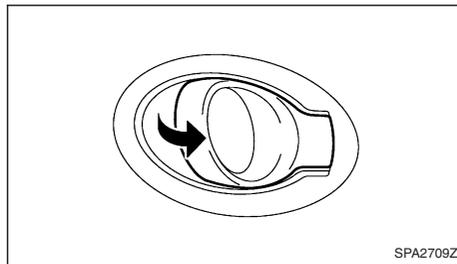
CAUTION

- When locking the doors using the inside lock knob, be sure not to leave the key in the vehicle.
- When the key is in the ignition switch and the driver's door is open, the inside lock knob will not lock the door(s).

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

When the doors are locked, pulling the driver's side door handle will unlock the door (where fitted).

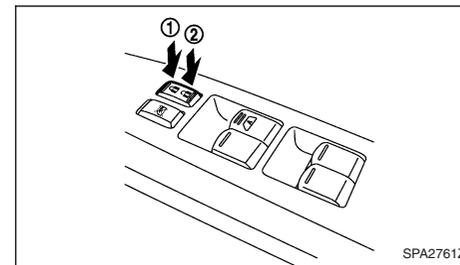
Right-Hand Drive (RHD) model (where fitted)



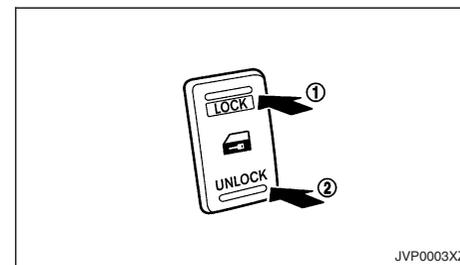
To unlock and open the door, pull the inside door handle as illustrated.

The doors cannot be opened by using the inside door handle when the Super Lock System is activated.

LOCKING WITH POWER DOOR LOCK SWITCH (where fitted)



Power door lock switch (located on the door armrest)



Power door lock switch (located on the centre console)

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

CAUTION

- When locking the doors using the power door lock switch, be sure not to leave the key in the vehicle.
- When the key is in the ignition switch and the driver's door is open, the power door lock switch will not lock the doors.

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

VEHICLE SPEED SENSING DOOR LOCK MECHANISM (where fitted)

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.

1. Place the ignition switch in the "ON" position.
2. Within 20 seconds, push and hold the power door lock switch to the "LOCK" position for 5 seconds.

3. The hazard indicator light will flash as follows if the switching operation is successful:

- Twice — activated
- Once — deactivated

AUTO DOOR LOCK RELEASING MECHANISM (where fitted)

All doors will be unlocked automatically when the ignition switch moved "ON" to "OFF" position.

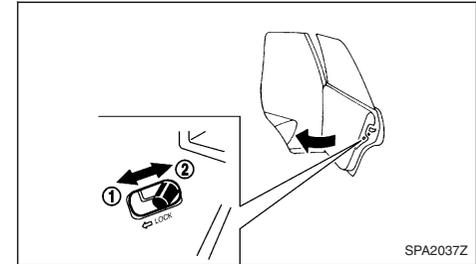
To activate or deactivate auto door lock releasing mechanism

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

1. Place the ignition switch in the "ON" position.
2. Within 20 seconds, push and hold the power door lock switch to the "UNLOCK" position for 5 seconds.
3. The hazard indicator light will flash as follows if the switching operation is successful:

- Twice - activated
- Once - deactivated

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 door handles.

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

REMOTE KEYLESS ENTRY SYSTEM (where fitted)

The remote keyless entry system can operate all door locks (including the back door) using the integrated keyfob. 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 integrated keyfobs can be used with one vehicle. For information about the purchase and use of additional integrated keyfobs, contact a NISSAN dealer or qualified workshop.

The integrated keyfob will not function under the following conditions:

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

CAUTION

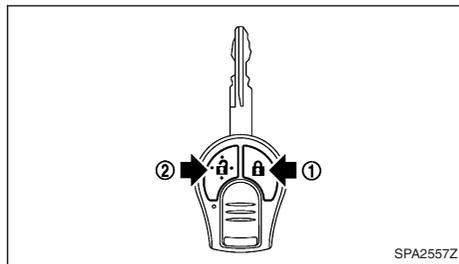
- **When locking the doors using the integrated keyfob, be sure not to leave the key in the vehicle.**
- **Do not allow the integrated keyfob, which contains electrical components, to come into contact with water or salt water. This could affect the system function.**
- **Do not drop the integrated keyfob.**
- **Do not strike the remote controller sharply against another object.**

- **Do not place the integrated keyfob 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 integrated keyfob is lost or stolen, NISSAN recommends erasing the ID code of that integrated keyfob from the vehicle. This may prevent the unauthorised use of the integrated keyfob to unlock the vehicle. For information regarding the erasing procedure, contact a NISSAN dealer or qualified workshop.

For information regarding the replacement of a battery, see "Integrated keyfob battery" in the "8. Maintenance and do-it-yourself" section.

USING REMOTE KEYLESS ENTRY SYSTEM (where fitted)



Locking doors

1. Remove the key from the ignition switch.
2. Close all doors including the back door.
3. Push the "LOCK"  button ① on the integrated keyfob.
4. All doors will be locked.
5. Operate door handles to confirm that the doors have been securely locked.

CAUTION

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

Unlocking doors

1. Push the "UNLOCK"  button ② on the integrated keyfob.
2. All doors including the back door will be unlocked.

All doors will be locked automatically unless one of the following operations is performed within 30 seconds after pushing the "UNLOCK"  button ② on the integrated keyfob while the doors are locked.

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

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

INTELLIGENT KEY SYSTEM (where fitted)

Selecting door unlock mode:

When you first receive the vehicle, the door unlock mode is set to unlock all the doors with one push of the “UNLOCK”  button ②. The door unlock mode can be switched to the selective door unlock mode, which unlocks the passenger’s doors at the second push of the “UNLOCK”  button ②.

Selective door unlock mode:

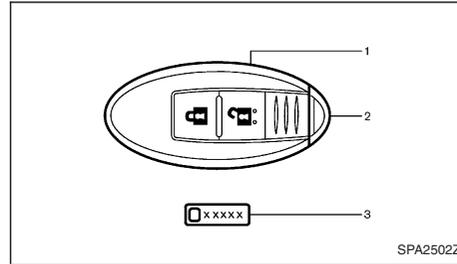
1. Push the “UNLOCK”  button ② on the integrated keyfob.
2. The driver’s door unlocks.
3. Push the “UNLOCK”  button ② on the integrated keyfob again.
4. All doors will be unlocked.

To switch to the selective door unlock mode, perform the following procedure.

Push the “LOCK”  and “UNLOCK”  buttons simultaneously for more than 5 seconds.

Perform the same procedure to deactivate the selective door unlock mode.

- When the selective door unlock mode is set, the hazard indicator flashes 3 times.
- When the all door unlock mode is set, the hazard indicator flashes once.



1. Intelligent Key (2)
2. Mechanical key (inside the Intelligent Key) (2)
3. 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 aeroplane. Make sure the buttons are not operated unintentionally when the unit is stored during a flight.**

The Intelligent Key system can operate all the door (including the back door) locks using the integrated keyfob function or pushing the request switch on

the vehicle without taking the key out from a pocket or purse. The operating environment and/or conditions may affect the Intelligent Key system operation.

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

CAUTION

- **Be sure to carry the Intelligent Key with you when operating the vehicle.**
- **Never leave the Intelligent Key in the vehicle when you leave the vehicle.**
- **When the outside temperature is extremely low, the Intelligent Key system may not function properly.**

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

- When operating near a location where strong radio waves are transmitted, such as a TV tower, power station and broadcasting station.
- When in possession of wireless equipment, such as a mobile telephone, transceiver, and CB radio.
- When the Intelligent Key is in contact with or covered by metallic materials.

- When any type of radio wave remote control is used nearby.
- When the Intelligent Key is placed near an electric appliance such as a personal computer.
- When the vehicle is parked near a parking meter.

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

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

For information regarding replacement of a battery, see "Integrated keyfob battery" in the "8. Maintenance and do-it-yourself" section.

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

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 or qualified workshop.

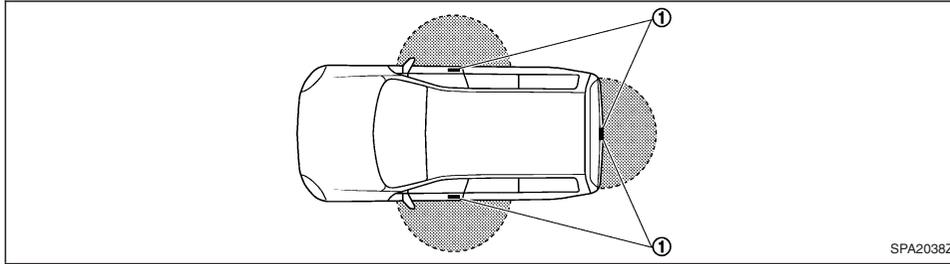
CAUTION

- **Do not allow the Intelligent Key, which contains electrical components, to come into contact with water or salt water. This could affect the system function.**
- **Do not drop the Intelligent Key.**
- **Do not strike the Intelligent Key sharply against another object.**
- **Do not change or modify the Intelligent Key.**
- **Wetting may damage the Intelligent Key. If the Intelligent Key gets wet, immediately wipe until it is completely dry.**
- **Do not place the Intelligent Key for an extended period in an area where temperatures exceed 60°C (140°F).**
- **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 mobile 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 unauthorised use of the Intelligent Key to operate the vehicle. For information regarding the erasing procedure, contact a NISSAN dealer or qualified workshop.

The Intelligent Key function can be disabled. For

information about disabling the Intelligent Key function, contact a NISSAN dealer or qualified workshop.



SPA2038Z

OPERATING RANGE

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

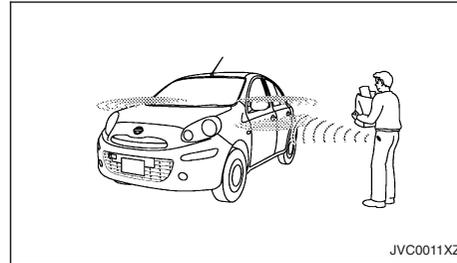
When the Intelligent Key battery is discharged or strong radio waves are present near the operating location, the Intelligent Key system's operating range becomes narrower, and the Intelligent Key may not function properly.

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

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

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

USING INTELLIGENT KEY SYSTEM

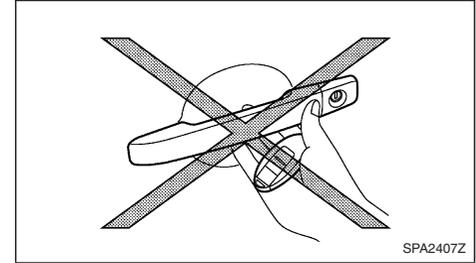


JVC0011XZ

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

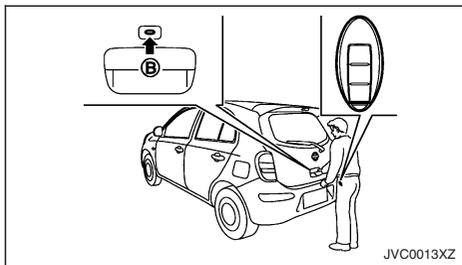
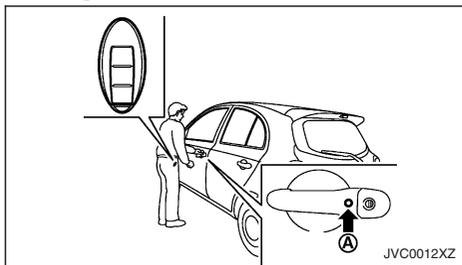


SPA2407Z

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

- Do not pull the door handle before pushing the door handle request switch. The door will be unlocked but will not open. Release the door handle once and pull it again to 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) or back door request switch (B) within the range of operation.

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) or the back door request switch (B).
5. All doors and the back door will be locked.
6. Operate door handles to confirm that the doors have been securely locked.

Lockout protection:

To prevent the Intelligent Key from being accidentally locked in the vehicle, lockout protection is equipped with the Intelligent Key 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, an inside warning chime will sound 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 tonneau board.
- 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 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) or back door request switch (B).
3. All doors and the back door will be unlocked.

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

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.

BATTERY SAVER SYSTEM

When all the following conditions are met for 60 minutes, the battery saver system will cut off the power supply to prevent battery discharge.

- The ignition switch is in the “ACC” position, and
- All doors are closed, and
- The selector lever is in the “P” (Park) position (Continuously Variable Transmission model).

WARNING AND AUDIBLE REMINDERS

The Intelligent Key system is equipped with a function that is designed to minimise improper operations of the Intelligent Key and to help prevent the vehicle from being stolen.

Type A (model with vehicle information display)

The warning buzzer sounds and the warning display appears on the dot matrix display (in the vehicle information display) when improper operations are

detected. See the troubleshooting guide on the next page. For warning and indicators on the vehicle information display, see “Vehicle information display (where fitted)” in the “2. Instruments and controls” section.

CAUTION

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

Type B (model without dot matrix display)

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/indicator lights and audible reminders” in the “2. Instruments and controls” section.

Intelligent Key system warning light: 

P position selecting warning light: 

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.

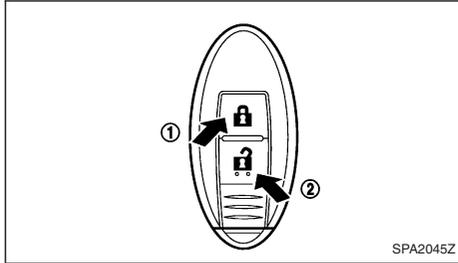
TROUBLE SHOOTING GUIDE

	Symptom	Possible cause	Action to take
When pushing the ignition switch to stop the engine	Type A: The SHIFT P warning appears on the display and the inside warning chime sounds continuously or for a few seconds. Type B: The P position selecting warning light in the meter and the inside warning chime sounds continuously (Continuously Variable Transmission model).	The selector lever is not in the "P" (Park) position.	Shift the selector lever to the "P" (Park) position.
When shifting the selector lever to the P (Park) position. (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	Type A: The NO KEY warning appears on the display, the outside chime sounds 3 times and the inside warning chime sounds for a few seconds. Type B: 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.
	Type A: The SHIFT P warning appears on the display and the outside chime sounds continuously. Type B: The P position selecting warning light in the meter illuminates and the outside chime sounds continuously (Continuously Variable Transmission models).	The ignition switch is in the "ACC" or "OFF" position and the selector lever is not in the "P" (Park) position.	Move the selector lever to the "P" (Park) position and push the ignition switch to the "OFF" position.
When pushing the request switch or the "LOCK"  button on the Intelligent Key to lock the door	The outside chime sounds for a few seconds and all the doors unlock.	The Intelligent Key is inside the vehicle.	Carry the Intelligent Key with you.
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.

	Symptom	Possible cause	Action to take
When pushing the ignition switch to start the engine	Type A: The Intelligent Key battery indicator appears on the display. Type B: 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 "Battery" in the "2. Maintenance and do-it-yourself" section.)
	Type A: The NO KEY warning appears on the display and the inside warning chime sounds for a few seconds. Type B: The Intelligent Key system warning light in the meter blinks in yellow and the inside warning chime sounds for a few seconds.	The Intelligent Key is not in the vehicle.	Carry the Intelligent Key with you.

USING REMOTE KEYLESS ENTRY FUNCTION

Operating range



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

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

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

For information regarding the replacement of a battery, see "Battery" in the "2. Maintenance and do-it-yourself" section.

Locking doors

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

CAUTION

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

Unlocking doors

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

All doors will be locked automatically unless one of the following operations is performed within 30 seconds after pushing the "UNLOCK"  button on the Intelligent Key while the doors are locked. If during this 30-second time period, the "UNLOCK"  button on the Intelligent Key is pushed, all doors will be locked automatically after another 30 seconds.

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

Selecting door unlock mode:

When you first receive the vehicle, the door unlock mode is set to unlock all the doors with one push of the "UNLOCK"  button ②. The door unlock mode can be switched to the selective door unlock mode, which unlocks the passenger's doors at the second push of the "UNLOCK"  button ②

Selective door unlock mode:

1. Push the "UNLOCK"  button ② on the Intelligent Key.
2. The driver's door unlocks.
3. Push the "UNLOCK"  button ② on the Intelligent Key again.
4. All doors will be unlocked.

To switch to the selective door unlock mode, perform the following procedure.

Push the "LOCK"  and "UNLOCK"  buttons simultaneously for more than 5 seconds. Perform the same procedure to deactivate the selective door unlock mode.

- When the selective door unlock mode is set, the hazard indicator flashes 3 times.
- When the all door unlock mode is set, the hazard indicator flashes once.

SECURITY SYSTEM (where fitted)

Your vehicle is equipped with the following security system:

NISSAN Anti-Theft System (NATS)*

(* immobilizer)

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

NISSAN ANTI-THEFT SYSTEM (NATS)

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

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

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

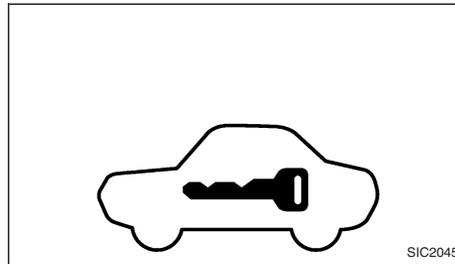
Start the engine using the following procedure:

1. Remove any items that may be causing the interference away from the NATS key.
2. Leave the ignition switch in the "ON" position for approximately 5 seconds.
3. Turn the ignition switch to the "OFF" or "LOCK" position, and wait approximately 10 seconds.
4. Repeat steps 2 and 3 again.
5. Start the engine.

6. 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 or qualified workshop for NATS service as soon as possible. Be sure to bring all NATS keys that you have when visiting a NISSAN dealer or qualified workshop for service.

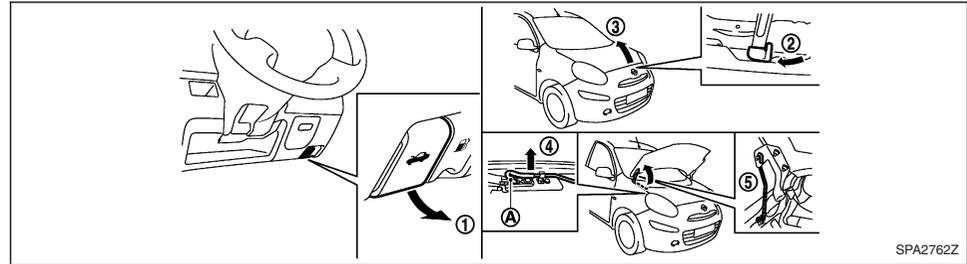
For Right-Hand Drive (RHD) model:

If NATS is malfunctioning, the security indicator light will illuminate when the ignition switch is in the "ON" position. However, if the security indicator light turns off after 15 minutes, you can start the engine once. See a NISSAN dealer or qualified workshop for NATS service as soon as possible.

BONNET

WARNING

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



OPENING BONNET

1. Pull the bonnet lock release handle (1) located below the instrument panel until the bonnet springs up.
2. Locate the lever (2) in between the bonnet and grille and push the lever sideways with your fingertips.
3. Raise the bonnet (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 BONNET

1. Reset the support rod to its original position.
2. Slowly move the bonnet down to latch the lock. Push the bonnet down to lock the bonnet securely into place.

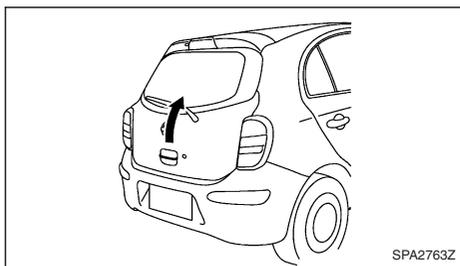
BACK DOOR



WARNING

Make sure the back door has been closed securely to prevent it from opening while driving. Do not drive with the back door open. This could allow dangerous exhaust gases to be drawn into the vehicle.

OPENING BACK DOOR



For model with the door key cylinder

The back door can be opened by pulling the opener handle and pulling up the back door.

To close the back door, pull down until it securely locks.

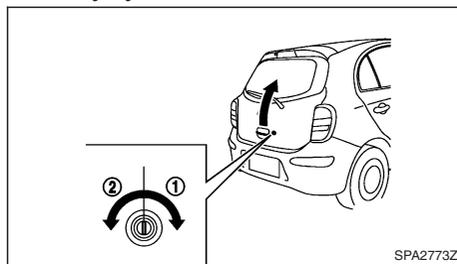
For model without the door key cylinder

To open the back door, unlock it with one of the following operations, then pull the handle.

- Push the back door request switch (where fitted). (See “Intelligent Key system (where fitted)” earlier in this section.)

- Push the “UNLOCK” button on the Intelligent Key (where fitted). (See “Intelligent Key system (where fitted)” earlier in this section.)
- Push the “UNLOCK” button on the integrated keyfob (where fitted). (See “Remote keyless entry system (where fitted)” earlier in this section.)
- Push the power door lock switch to the “UNLOCK” position.

Locking with key (for model with the door key cylinder)



To lock the back door, push it down firmly, insert the key to the door key cylinder and turn the key clockwise ①. To unlock the back door, turn the key anticlockwise ②.

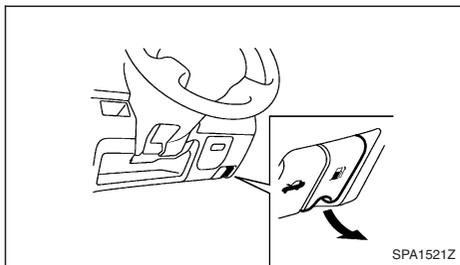
FUEL FILLER LID



WARNING

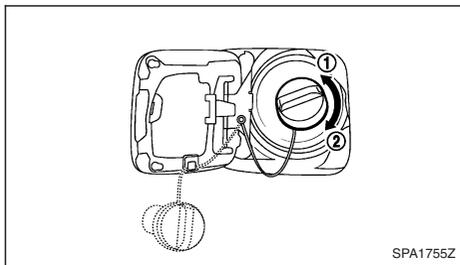
- Petrol is extremely flammable and highly explosive under certain conditions. You could be burned or seriously injured if it is misused or mishandled. Always stop the engine and do not smoke or allow open flames or sparks near the vehicle when refuelling.
- Fuel may be under pressure. Turn the cap a 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 fuel filler cap as a replacement. It has a built-in 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.

FUEL FILLER CAP



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

CAUTION

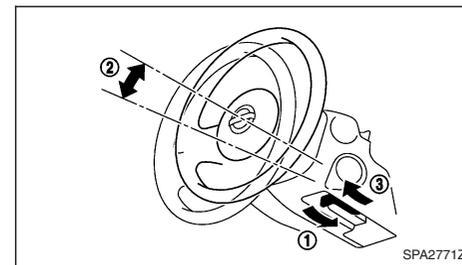
If fuel is spilled on the vehicle body, flush it away with water to avoid paint damage.

STEERING WHEEL



WARNING

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



While 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.

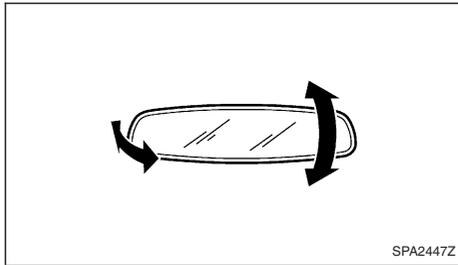
MIRRORS



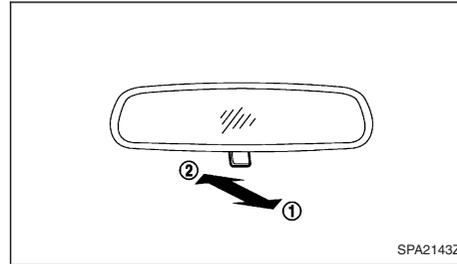
WARNING

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 (where fitted) when the glare from the headlights of the vehicle behind you obstructs your vision at night.

Push the adjusting lever ② (where fitted) during the day for the best rearward visibility.

OUTSIDE REARVIEW MIRRORS

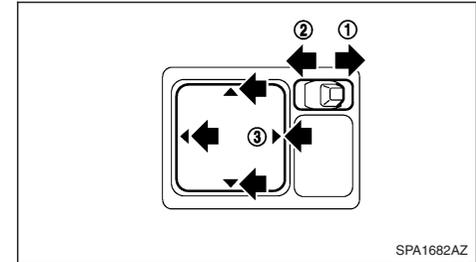


WARNING

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

Adjusting

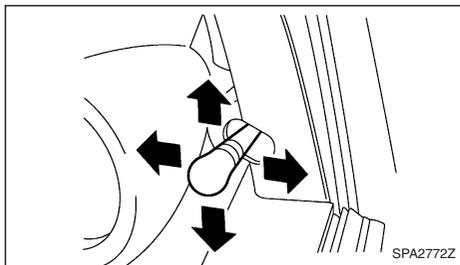
Remote control type (where fitted):



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 (where fitted):

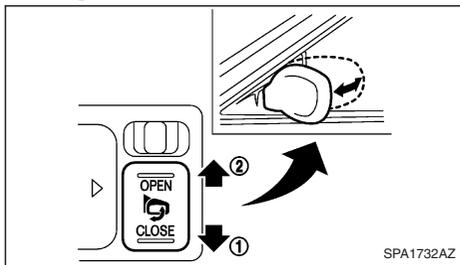


Adjust the mirror angles with the inside lever until the desired position is achieved.

Defogging (where fitted)

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

Folding



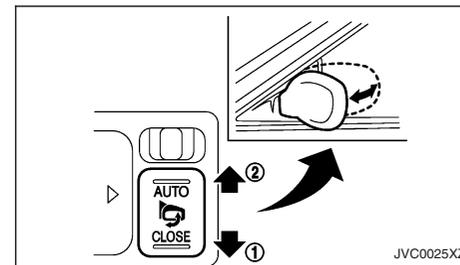
Remote control type (where fitted):

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.
- Don 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 (where fitted):

The outside rearview mirrors fold automatically by interlocking door lock. The function can be used while the 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 unfold when the ignition switch is placed in the "ACC" or "ON" position.

CAUTION

When the outside rearview mirror is folded/unfolded manually, the mirror may fold/unfold accidentally while driving. Be sure to fold/unfold the outside rearview mirror by an electrical operation after folding/unfolding manually.

! WARNING

- When the outside rearview mirror is folded/unfolded manually, depending on the switch position, the outside rearview mirror may start operation by turning the ignition switch to 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 turning the ignition switch to the “ACC” or “ON” position.

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

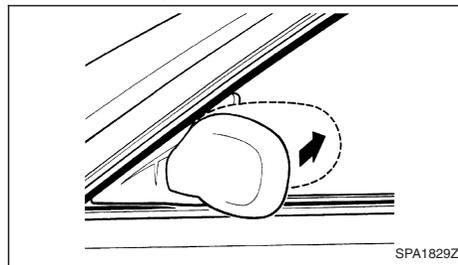
The outside rearview mirror remote control operates when the ignition switch is in the “ACC” or “ON” position.

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

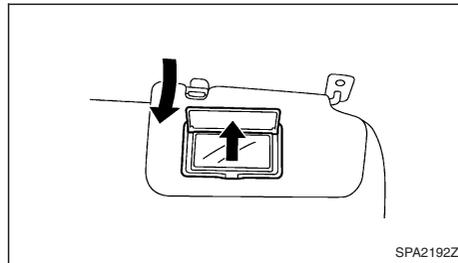
Continuously performing the fold/unfold operation of the outside rearview mirror may cause the switch to stop the operation.

Manual control type (where fitted):



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

VANITY MIRRORS (where fitted)



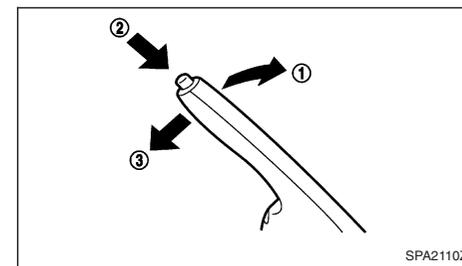
To access the vanity mirror, pull the sun visor down and pull up the mirror cover.

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 footbrake pedal and will lead to an accident.
- Never use the gearshift in place of the parking brake. When parking, be sure the parking brake is fully applied.
- Never leave children or adults who would normally require the support of others alone in your vehicle. They could unknowingly release the parking brake and inadvertently become involved in a serious accident.

LEVER TYPE



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

To release the parking brake, firmly depress and hold the footbrake 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.



NOTE

3-24 **Pre-driving checks and adjustments**

4 Heater and air conditioner, and audio system

Safety precautions	4-2	FM-AM radio with CD player and navigation (where fitted)	4-20
Vents	4-2	Steering wheel switches for audio control (where fitted)	4-20
Heater and air conditioner (where fitted)	4-2	USB/AUX connector (where fitted)	4-21
Operating tips (for automatic air conditioner).....	4-3	Car phone or CB radio (where fitted)	4-21
Manual air conditioner.....	4-4	Bluetooth® Hands-Free Phone System (where fitted for model without navigation system)	4-21
Automatic air conditioner	4-6	Regulatory information	4-22
Servicing air conditioner	4-8	CE statement	4-22
Audio system (where fitted).....	4-8	Hands-free telephone setup	4-22
Audio operation precautions	4-8		
Antenna	4-13		
FM-AM radio with Compact Disc (CD) player (where fitted)	4-14		

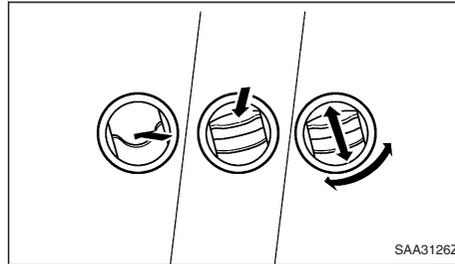
SAFETY PRECAUTIONS



WARNING

- Do not adjust the heater and air conditioner controls or audio controls 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 or qualified workshop. Ignoring such conditions may lead to an accident, fire or electric shock.

VENTS



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

The side vents can be used for the side defroster.

HEATER AND AIR CONDITIONER (where fitted)



WARNING

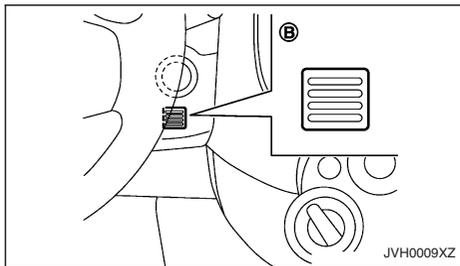
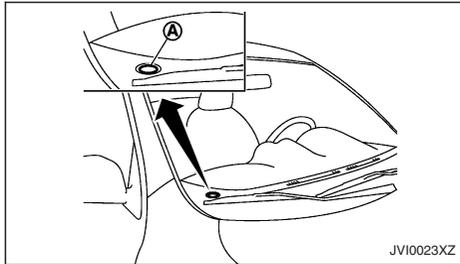
- The heater and air conditioner operate only when the engine is running.
- Never leave children or adults who would normally require the support of others alone in the vehicle. Pets should not be left alone either. They could unknowingly activate switches or controls and inadvertently become involved 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.

NOTE

Condensation forms inside the air conditioning unit when the air conditioner is running, and is safely discharged underneath your vehicle. Traces of water on the ground are therefore normal.

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.

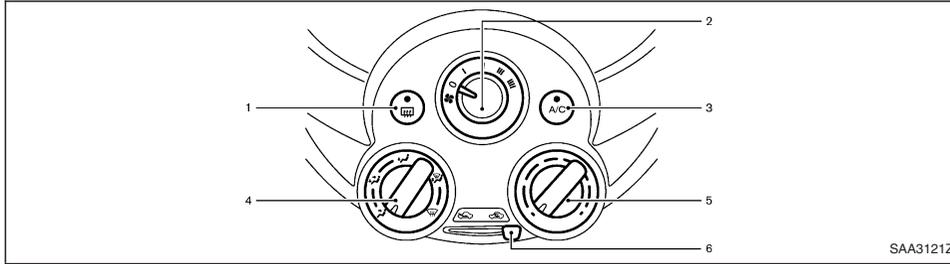
OPERATING TIPS (for automatic air conditioner)



panel, help maintain a constant temperature. Do not put anything on or around the sensors.

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



SAA3121Z

MANUAL AIR CONDITIONER

1. Rear window defogger switch (See “Defogger switch” in the “2. Instruments and controls” section.)
2. Fan speed control  dial
3. A/C (Air Conditioner) button
4. Air flow control dial
5. Temperature control dial
6. Air intake lever (Outside air circulation  /Air recirculation )

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

Controls

Outside air circulation:

Move the air intake lever to the  position. The air flow is drawn from outside the vehicle.

Air recirculation:

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 centre and side vents.
-  Air flows from the centre and side vents and foot outlets.
-  Air flows mainly from the foot outlets.
-  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 anticlockwise 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  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 centre vents.

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  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 vents to the side windows to defrost or defog the side mirrors.
- To remove frost from the outside surface of the windscreen 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 windscreen, turn the <A/C> button on.

Bi-level heating:

This mode directs cool air from the side and centre 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 vents 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 vents to the side windows to defrost or defog the side mirrors.

Air conditioner operation

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.

Cooling:

This mode is used to cool 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 cool (left) position.
- For quick 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 vents in hot, humid conditions as the air is cooled rapidly. This does not indicate a malfunction.

Dehumidified heating:

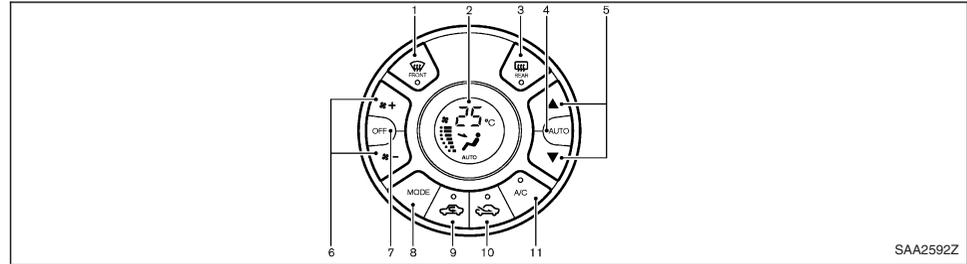
This mode is used to heat and dehumidify the air.

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  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 vents to the side windows to defog or defog the side mirrors.



SA A2592Z

AUTOMATIC AIR CONDITIONER

1. Windscreen defogger  button
2. Display
3. Rear window defogger  button (See "Defogger switch" in the "2. Instruments and controls" section.)
4. AUTO button
5. Temperature control  /  buttons
6. Fan speed control  buttons
7. OFF button
8. MODE (air flow control) button
9. Air recirculation  button
10. Outside air circulation  button
11. A/C (Air Conditioner) button

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. The temperature range is between 16°C (61°F) and 30°C (86°F).

- If the indicator light on either the outside air circulation  button or the air recirculation  button is illuminated, push the button with the light illuminated to turn the light off.

A visible mist may be seen coming from the vents in hot, humid conditions as the air is cooled rapidly. This does not indicate a malfunction.

Heating (A/C off):

- Push the <AUTO> button. ([AUTO] will appear on the display.)
 - If the A/C indicator light illuminates, push the <A/C> button. (The A/C indicator light will turn off.)
 - Push the temperature control  /  button to set the desired temperature. The temperature range is between 16°C (61°F) and 30°C (86°F).
- 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  button. (The  indicator light will illuminate.)
- Push the temperature control  /  button to set the desired temperature.

- To remove frost from the outside surface of the windscreen quickly, set the temperature to a high temperature and the fan speed to the maximum level.
- After the windscreen 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 windscreen. 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.



Air flows from the centre and side vents.



Air flows from the centre and side vents 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.

The temperature range is between 16°C (61°F) and 30°C (86°F).

Outside air circulation:

Push the outside air circulation  button to draw the air flow from outside the vehicle. (The  indicator light will illuminate.)

Air recirculation:

Push the air recirculation  button to circulate the air flow inside the vehicle. (The  indicator light will illuminate.)

Automatic air intake control:

If the indicator light on either the outside air circulation  button or the air recirculation  button is illuminated, push the button with the light illumi-

nated to turn the light off. The automatic control is set between the outside air circulation  and air recirculation  modes.

SERVICING AIR CONDITIONER



WARNING

The air conditioner system contains refrigerant under high pressure. To avoid personal injury, any air conditioner service should be done only by an experienced technician with the proper equipment.

The air conditioner system in your vehicle is charged with a refrigerant designed with the environment in mind.

This refrigerant will not harm the earth's ozone layer. However, it may contribute in a small part to global warming.

Special charging equipment and lubricant are required when servicing your vehicle's air conditioner. Using improper refrigerants or lubricants will cause severe damage to the air conditioner system. (See "Air conditioner system refrigerant and lubricant" in the "9. Technical information" section. section)

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

Air conditioner filter (where fitted)

The air conditioner system is equipped with an air conditioner filter which collects pollen. To make sure the air conditioner heats defogs, and ventilates effi-

ciently, replace the filter according the specified maintenance intervals listed in a separate maintenance booklet. To replace the filter, contact a NISSAN dealer or qualified workshop.

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

AUDIO SYSTEM (where fitted)

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.

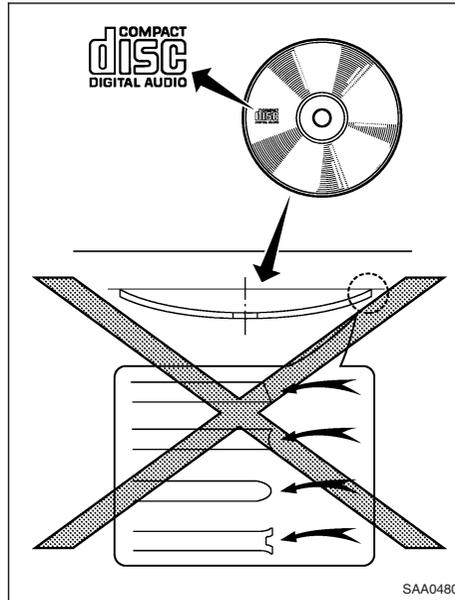
Radio

- 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 mobile phone in or near the vehicle may influence radio reception quality.

Compact Disc (CD) player

- 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, a notification 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.

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 (only MP3 or WMA CD).

Compact Disc with MP3 or WMA (where fitted)

Explanation of terms:

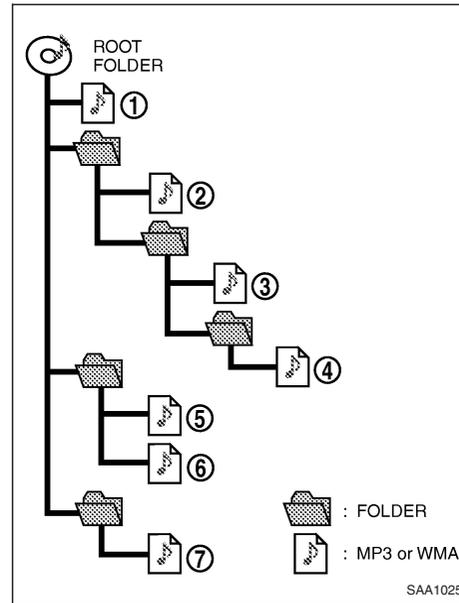
- MP3 — MP3 is short for Moving Pictures Experts Group Audio Layer 3. MP3 is the most well known compressed digital audio file format. This format allows for near “CD quality” sound, but at a fraction of the size of normal audio files. MP3 conversion of an audio track from CD can reduce the file size 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.
- 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:



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:

Supported media		CD, CD-R, CD-RW	
Supported file systems		ISO9660 LEVEL1, ISO9660 LEVEL2, Romeo, Joliet ISO9660 Level 3 (packet writing) is 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*3	Version	WMA7, WMA8, WMA9
		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 route folder), Files: 512 (Max. 255 files for one folder)	
Text character number limitation		128 characters	
Displayable character codes*2		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)	

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

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

*3 Protected WMA files (DRM) cannot be played.

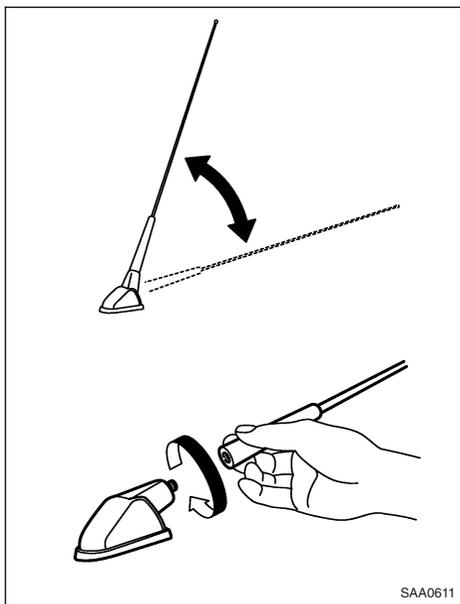
*4 When VBR files are played, the playback time may not be displayed correctly. WMA7 and WMA8 are not applied to VBR.

Troubleshooting guide:

Symptom	Cause and Countermeasure
Cannot play	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.
	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", "M4A", ".mp3", ".wma" or "m4a" 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 finalisation process, such as session close and disc close, is done for the disc.
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 required 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, writing 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", "M4A", ".mp3", ".wma", "m4a" 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 in the desired order.

4-12 Heater and air conditioner, and audio system

ANTENNA



Adjust the antenna angle for the best reception.

Removing antenna

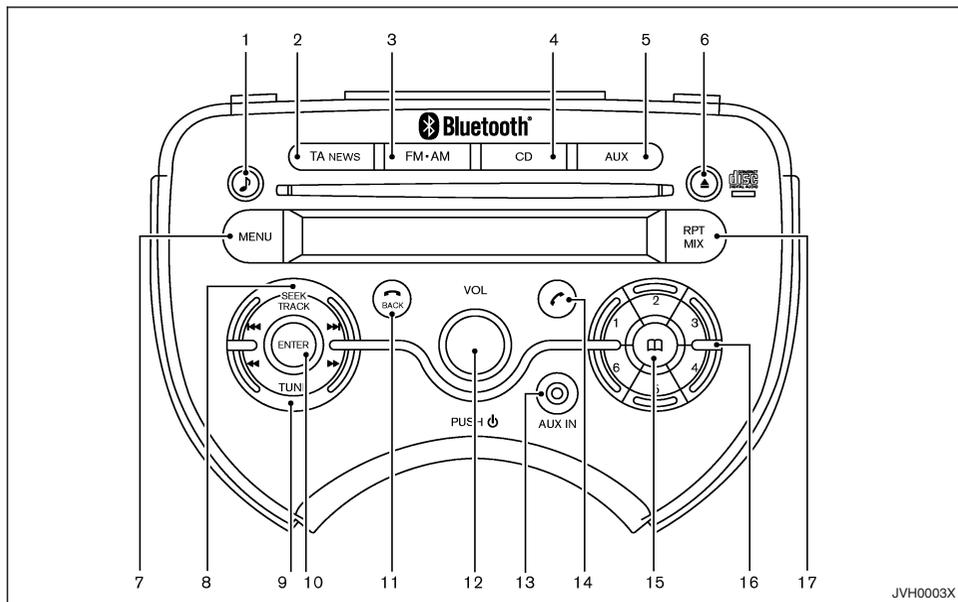
You can remove the antenna if necessary.

Hold the bottom of the antenna and remove by turning anticlockwise.

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

CAUTION

- Be sure to fold down the antenna before the vehicle enters a garage with a low ceiling.
- Be sure that antenna is removed before the vehicle enters an automatic car wash.



FM-AM RADIO WITH COMPACT DISC (CD) PLAYER (where fitted)

- | | |
|--|-----------------------|
| 1. Sound preference button | 5. AUX button |
| 2. TA (Traffic Announcement/NEWS button) | 6. CD EJECT button |
| 3. FM-AM band select button | 7. MENU button |
| 4. CD button | 8. SEEK/TRACK button |
| | 9. TUNE/SEARCH button |
| | 10. ENTER button |

- | |
|---|
| 11. PHONE END/BACK button |
| 12. POWER ON/OFF button/VOLUME control dial |
| 13. AUX IN (auxiliary input) jack |
| 14. PHONE SEND button |
| 15. PHONE BOOK button |
| 16. Radio memory buttons |
| 17. RPT (Repeat)/MIX (Mix play) button |

Anti-theft system (with personal code)

By using a personal 4-digit code known only to the vehicle owner, the possibility of the audio unit being stolen is effectively reduced, because without the code, the unit can not be activated. When used normally, the unit is unlocked and accessible in the usual way.

If however, force is used to try and remove the unit, the anti-theft system activates and the unit locks. The only way it can be unlocked is by entering the personal code number known only by the owner. This code number cannot be altered and applies only to your vehicle. This code number is shown on a radio pass card. Ask your NISSAN dealer or qualified workshop for the location of your radio pass card.



WARNING

Keep the radio pass card in a safe place and refrain from keeping it in the vehicle. Contact your NISSAN dealer or qualified workshop if you lose the radio pass card or forget the code number of your radio.

Unlocking the unit:

CAUTION

Read this section very carefully. It is important that the instructions are followed precisely.

If the battery supply to the vehicle is interrupted by accident for some reason, the unit will lock.

To unlock the unit, proceed as follows:

1. Press the power/volume control dial to turn the unit on.
2. [CODE IN] is displayed.
3. Input your personal code by pressing the preset buttons (1 to 4).
4. Press the ►► or ►►► button.
5. If the entered code number is correct, the radio turns on. A radio frequency appears on the display.
6. If the entered code is incorrect, the unit becomes inoperable for 10 seconds for the first three attempts, then the code input mode is automatically set ([CODE IN] is displayed).
7. If the code is incorrect the fourth time, the unit becomes inoperable for 60 minutes and (---)

is displayed. After 60 minutes, the code input mode is automatically set ([CODE IN] is displayed). If the above is repeated 17 times, the unit will lock permanently and you will need to contact your NISSAN dealer or qualified workshop.

Audio main operation

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

POWER ON/OFF button:

To turn on the audio system, push the POWER ON/OFF button.

- The system will turn on in the mode, (radio or CD) 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 POWER ON/OFF button.

Volume control:

To control the volume, turn the VOLUME control dial.

Turn the VOLUME control dial clockwise to make the sound louder.

Turn the VOLUME control dial anticlockwise to make the sound quieter.



Sound preference button:

To enter the audio mode (radio or CD), push the  button. When no CD is loaded, the audio system will automatically switch to the radio mode.

To change the audio settings (BASS, TREBLE, FADER, BALANCE, EQ), push the  button or <ENTER> button to select the mode.

[BASS] → [TREBLE] → [BALANCE] → [FADE] → [EQ] → [BASS]

To adjust each audio setting, turn the VOL control dial clockwise or anticlockwise.

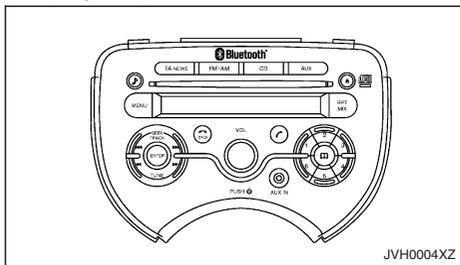
- [BASS]: (-) to decrease / (+) to increase
- [TREBLE]: (-) to decrease / (+) to increase
- [BALANCE]: (R) to right balance / (L) to left balance
- [FADE]: (F) to front fade / (R) to rear fade
- [EQ](Equalizer): Use this control to change the preset sound mode for CD play

Turn the VOLUME control dial clockwise or anticlockwise. The mode will change as follows:

[OFF] ⇔ [ENHANCE]

If the audio settings mode is unchanged for approximately 8 seconds, the audio settings mode will automatically return to the normal mode.

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. If the radio is already playing, it will automatically turn off, and the CD will start playing.

CAUTION

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

After loading the CD, the number of tracks and the playtime will appear on the display.

CD

CD button:

When the **CD** button is pushed while the audio system is off and a CD is loaded, the audio system will turn on and a CD will start playing automatically. If the radio is already playing, it will automatically turn off and the CD will start playing.



FF (Fast Forward), REW (Rewind) button:

When the (fast forward) or (rewind) button is pushed 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.



TRACK UP /



DOWN button:

When the **▶▶** button is pushed while a CD is being played, the present track will be advanced and move to the next track. Push the **▶▶** 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 **◀◀** button is pushed while a CD is being played, the present track will start over from the beginning. Push the **◀◀** 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.

RPT MIX

Repeat/MIX button:

Push the **RPT MIX** button repeatedly to change the play mode as follows:

[RPT TRACK] → [MIX DISC] → [RPT ALL]

[RPT TRACK]: The CD player plays the current track continuously.

[RPT ALL]: All the tracks on the CD will be played in sequential order.

[MIX DISC]: All the tracks on the CD will be played in a random order.



CD EJECT button:

When the **⬆** button is pushed while a CD is loaded, the CD will be ejected.

When the **⬆** button is pushed twice, the CD will be ejected further, and the CD can be removed with ease.

If a CD is ejected by pushing the **⬆** button, and it is not taken out from the loading slot, the CD will automatically be reloaded to the slot to protect the CD.

AUX

AUX button:

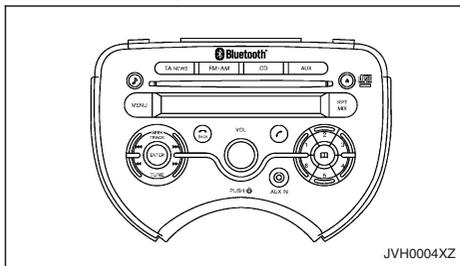
The AUX IN jack is located on the audio unit. The AUX IN audio input jack accepts any standard analog audio input such as from a portable cassette tape/CD player, MP3 player, laptop computers, etc.

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

CAUTION

Connect a stereo mini-plug (Ø 3.5) cable to the AUX IN jack. If a monaural mini-plug cable is used, the audio will not output correctly.

FM-AM radio operation



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



FM-AM button:

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 CD is already operating, it will automatically turn off, and the radio will turn on.

To change the radio bands, push the FM-AM button until the desired band appears.

[FM 1] → [FM 2] → [FM T] → [MW] → [LW]

During FM reception, when the FM-AM button is pushed for longer than 1.5 seconds, stations are

searched for and the 6 stations of the FM T band. The sound is muted until the auto store operation is completed, upon which preset channel 1 is automatically tuned in.



TUNE button:

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

The frequency changes in steps of 100 kHz on the FM band, 9 kHz on the MW band, and 3 kHz on the LW band.



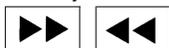
SEEK button:

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

①②③④⑤⑥ Radio memory buttons:

The audio system can store up to 18 FM station frequencies (six in each of FM 1, FM 2 and FM T), 6 MW and 6 LW station frequencies.

To store the station frequency manually:

1. Tune to the desired broadcasting station frequency by using the  or  button.
2. Push and hold a radio memory button ① - 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.

Radio data system (RDS)

Alternative Frequency (AF):

- The AF function operates in the FM (radio) and CD modes.
- When the AF mode is set to [ON] in the user setup menu mode, the [AF] indicator illuminates.

For activation or deactivation details, see "MENU button" later in this section.

● Automatic switching function

This function compares the strengths of the signals of all the stations on the AF list and selects the station with the optimum reception conditions.

● Programme Information (PI) search

Programme Information (PI) search begins automatically if no suitable station is found with the above automatic switching function. The PI search function checks each RDS station with the same PI code. During this time the sound is muted and [PI SEARCH] is displayed. The PI search operation stops when a suitable station is

found. If no station is found once all the frequencies have been searched, the radio returns to the previous frequency.

- **Enhanced Other Network (EON) data update (This function also operates when the AF mode is off.)**

When EON data is being received, this enables automatic retuning of other preset stations on the same network. Also, network linked services can be used. The EON indicator turns on during the reception of RDS EON stations in the FM mode.

RDS functions:

- **Programme Service (PS) function (station name display function)**

When an RDS station is tuned in with seek or manual tuning, the RDS data is received and the Programme Service (PS) name is displayed.

- **Emergency broadcast interrupt function (ALARM INTERRUPTION — EBU SPEC FOR INFO)**

When the radio receives PTY code 31 (an emergency broadcast code), the sound is interrupted, the emergency broadcast is heard, and [PTY31 ALARM] is displayed. The volume level at this time is the same as that for traffic announcements. Once the emergency broadcast is finished, the unit immediately returns to the previous source.

- **REG (Regional) mode**

Some local radio stations are linked together according to their region because they only offer limited coverage due to their limited number of transmitters. If the signal from one station becomes weak while you are driving around, RDS mode will switch to another local station in the region with a stronger signal.

When the REG mode is activated in the FM band and the radio receiver is tuned to a local radio station, it will keep receiving this radio station without switching to another local station. For activation or deactivation details, see "MENU button" later in this section.

Traffic Announcement (TA):

- The TA function operates in the FM and CD modes.
- The TA mode is turned on or off when the TA/NEWS button is pushed for less than 2 seconds.
- The TA mode operates regardless of whether the AF mode is on or off.
- [TA ON] is displayed when the TA mode is turned on, and the TA indicator turns on. [TA OFF] is displayed when the TA mode is turned off, and the TA indicator turns off.

The following functions operate when the TA mode is on:

- **Traffic announcement interrupt function**

When a traffic announcement is received, the announcement is tuned in and the volume increases to the set level.

Once the traffic announcement is finished, the unit returns to the source which was set before the traffic announcement started, and the volume returns to the previous level. For EON stations, the radio is interrupted by another EON station with traffic announcements.

The traffic announcement interrupt mode is cancelled if the <TA NEWS> button is pushed during a traffic announcement. The TA mode returns to the standby mode and the audio unit returns to the previous source.

News mode

When the <NEWS> button is pushed or the <TA NEWS> button is pushed for longer than 2 seconds in the FM mode, the news function is activated. [NEWS] is displayed for 3 seconds and the [NEWS] indicator appears on the display.

When the news function is activated, the radio receives a news code from the FM broadcasting news station and the actual playing mode will be interrupted. Once the news broadcast is finished, the unit returns to the previous mode.

In some countries or regions, this service is not available or the signal is too weak to be received.

1. News standby mode

- The news standby mode can be activated in the FM or CD mode.
- A news interruption will be announced and [NEWS] will be displayed when the radio detects the news code from the tuned station or EON stations. The display will then change to the PS name of the interrupting station.
- When pushing the <NEWS> button or pushing the <TA NEWS> button for longer than 2 seconds, the news standby mode is turned off and the indicator disappears from the display.

2. News interruption mode

- When the <NEWS> button or the <TA NEWS> button is pushed during the news interruption mode, the radio returns to the previous source. However, the news standby mode is kept.
- When the CD button is pushed during the news interruption mode, the radio changes to the CD mode. However, the news standby mode is kept.

If the radio band is changed to the MW or LW, the news standby mode will be turned off.

MENU button:

To configure Alternative Frequency, Regional, and Language settings, perform the following procedure:

1. Push and hold the <MENU> button for at least 1.5 seconds.
2. Turn the VOLUME dial clockwise or anticlockwise. The display message will change as follows:

[AF] ⇔ [REG] ⇔ [LANGUAGE] ⇔ [AF]

- To activate or deactivate the AF and REG mode, briefly push on the <ENTER> button when [AF] or [REG] appears on the display and turn the VOLUME dial clockwise or anticlockwise to switch between the off or on position. After selection, push the <ENTER> button to confirm the settings.
 - When the AF mode is enabled, the audio unit will automatically re-tune to a stronger frequency if the radio signal becomes weak.
 - When the REG mode is enabled, the audio unit will maintain and hold the station which is broadcasting local (regional) programmes.
- To change the display language, briefly push the <ENTER> button when [LANGUAGE] appears on the display then turn the VOLUME dial clockwise or anticlockwise to select the appropriate language setting.

[ENGLISH] ⇔ [DUTCH] ⇔ [FRENCH] ⇔ [SPANISH] ⇔ [GERMAN] ⇔ [ITALIAN] ⇔ [PORTUGUESE] ⇔ [ENGLISH]

After selecting the desired language, push the <ENTER> button to exit the menu.

To configure the SPEED volume and BEEP settings, perform the following procedure:

1. Push the <MENU> button.
2. Turn the VOLUME dial clockwise or anticlockwise. The display message will change as follows:

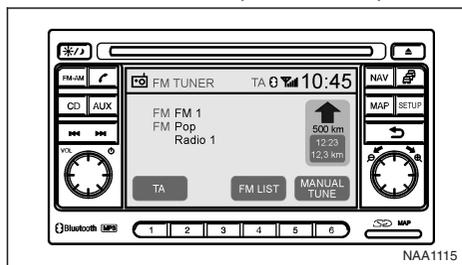
[PHONE SETUP] ⇔ [CLOCK] ⇔ [SPEED VOL] ⇔ [BEEP] ⇔ [PHONE SETUP]

- For clock adjustment, see "Clock" in the "2. Instruments and controls" section.
- When SPEED VOL appears on the display, briefly push on the <ENTER> button then turn the VOLUME dial clockwise or anticlockwise to adjust the level of the volume.

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. Push the <ENTER> button again to save the setting.
- When BEEP appears on the display, briefly push the <ENTER> button and then turn the VOLUME dial clockwise or anticlockwise to switch the beep sound on or off. Push the <ENTER> button again to save the setting.

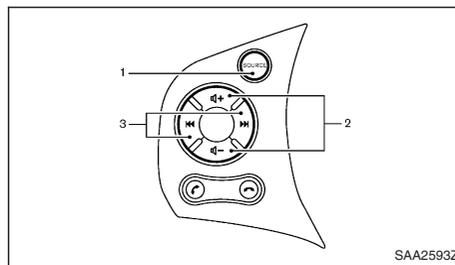
After the desired levels have been set, push the **<MENU>** button to exit the menu or wait at least for 10 seconds without pressing any buttons.

FM-AM RADIO WITH CD PLAYER AND NAVIGATION (where fitted)



For details, see the separately provided NISSAN Connect Owner's Manual.

STEERING WHEEL SWITCHES FOR AUDIO CONTROL (where fitted)



1. **<SOURCE>** select switch
2. VOLUME control switch
3. Tuning switch

The audio system can be operated using the controls on the steering wheel.

<ENTER> select switch

With the ignition switch placed in the "ACC" or "ON" position, push the **<SOURCE>** select switch to turn the audio system on.

Push the **<SOURCE>** select switch to change the mode.

[LW], [MW], [FM], [CD] and [AUX]

If AUX is not connected, the AUX modes will be skipped.

VOLUME control switch

Push up or down the VOLUME control switch to increase or decrease the volume.

Tuning switch

Memory change (radio):

Push the tuning switch for less than 1.5 seconds to change the next or previous radio preset.

SEEK tuning (radio):

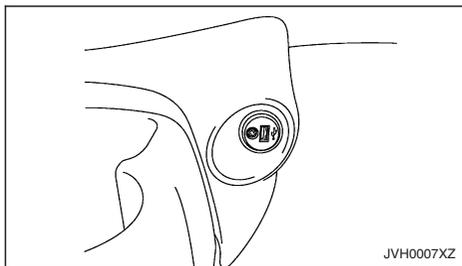
Push the tuning switch for more than 1.5 seconds to seek the next or previous radio station.

APS (Automatic Programme Search) FF, APS REW (CD):

Push the tuning switch for less than 1.5 seconds to return to the beginning of the present programme or skip to the next programme. Push several times to skip back or skip through programs.

This system searches for the blank intervals between selections. If there is a blank interval within one programme or there is no interval between programs, the system may not stop in the desired or expected location.

USB/AUX CONNECTOR (where fitted)



The USB/AUX connector is on the lower centre of the instrument panel.

For details, see the separately provided NISSAN Connect Owner's Manual.

CAR PHONE OR CB RADIO (where fitted)

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 or qualified workshop.

NOTE

For further information, visit the NISSAN web site: www.nissan-europe.com. Select your country from the list and go to the "SERVICES" menu. If not available on the web site, contact a NISSAN dealer or qualified workshop.

BLUETOOTH® HANDS-FREE PHONE SYSTEM (where fitted for model without navigation system)



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 a conversation in a moving vehicle requires you to take notes, 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. For models with navigation system, see the separately provided NISSAN Connect Owner's Manual.

For models with navigation system, see the separately provided NISSAN Connect Owner's Manual

Your NISSAN is equipped with the Bluetooth® Hands-Free Phone System. If you are an owner of a Bluetooth® enabled mobile phone, you can set up the wireless connection between your mobile phone and the in-vehicle phone module. With Bluetooth® wireless technology, you can make or receive a hands-free telephone call with your mobile phone in the vehicle.

Once your mobile phone is paired 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

ignition switch is placed in the "ON" position with the paired mobile phone turned on and carried in the vehicle.

You can register up to 5 different Bluetooth® mobile phones to the in-vehicle phone module. However, you can talk on only one mobile phone at a time.

Before using the Bluetooth® Hands-Free Phone System, refer to the following notes.

- Set up the wireless connection between a mobile phone and the in-vehicle phone module before using the system.
- Some Bluetooth® enabled mobile phones may not be recognised 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, near a tall building or in a mountainous area.
 - Your mobile phone is locked to prevent it from being dialled.

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 mobile 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 mobile phone is connected through the Bluetooth® wireless connection, the battery power of the mobile phone may discharge quicker than usual. The Bluetooth® Hands-Free Phone System cannot charge mobile phones.

Refer to the mobile phone Owner's Manual regarding the telephone charges, mobile phone antenna and body, etc.

NOTE

For assistance with your mobile phone integration, please visit your local NISSAN dealer.

Models without navigation system

This wireless hands-free system is based on Bluetooth® technology,

- Frequency: 2402 MHz - 2480 MHz
- Output Power: 4.14 dBm EIRP
- Modulation: FHSS GFSK 8DPSK, p/4DQPSK
- Number of Channel: 79
- This wireless equipment cannot be used for any services related to safety because there is the possibility of radio interference.

NOTE

- **For details, see your mobile phone's Owner's Manual.**

- **For assistance with your mobile phone integration, please visit your local NISSAN dealer.**

REGULATORY INFORMATION



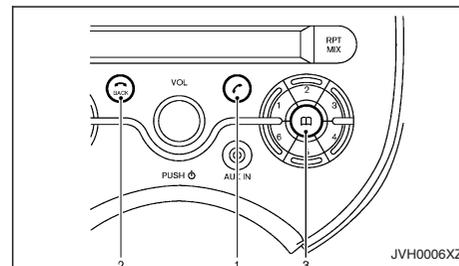
Bluetooth® is a trademark owned by Bluetooth SIG, Inc., U.S.A. and licensed to Visteon Corporation and Clarion Co., Ltd.

CE STATEMENT

Hereby "Yangfeng Visteon Automotive Electronics Co., Ltd." and "Clarion Corporation" declares that this Bluetooth car kit AV System is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.



HANDS-FREE TELEPHONE SETUP



1. PHONE SEND button
2. PHONE END/BACK button
3. PHONE BOOK button

The following options can be selected:

- Paired list
- Pair phone
- Delete phone
- Bluetooth® connection
- Delete phone book
- My number

Pairing procedure

If you wish to make a Bluetooth® connection for the first time between your mobile phone and the Bluetooth® system of the audio unit, perform the following pairing procedure.

1. Place the ignition switch in the "ACC" position.
2. Switch on the audio system and your mobile phone.

For the vehicle:

1. Briefly push the <MENU> button.
2. Push the <ENTER> button.
3. Turn the VOLUME control dial and select [PAIR PHONE] then push the <ENTER> button.
4. The display shows [READY TO PAIR] then [PASSCODE=1234].

On the mobile phone:

1. Activate the Bluetooth® connection.
2. Activate the search mode for Bluetooth® equipment. Refer to the owner's manual of your mobile phone for further details. If the search mode finds the device, it will be shown on your mobile phone display.
3. Select the device name [MY CAR].
4. Enter the passcode number 1234 as shown on the display of the audio unit with the keypad on your mobile phone and then push the confirmation button on your mobile phone.

Action	Screen display
Push briefly <MENU> button	
↓	[PHONE SETUP]
Push <ENTER>	
↓	
Turn VOLUME dial	[PAIR PHONE]
↓	
Push <ENTER>	[READY TO PAIR] [PASSCODE=1234]
↓	
Your mobile phone setup: select MY CAR then enter 1234	
↓	
If successful	[PAIRING OK] [CONNECT OK]
↓	Mobile 1 *1 [PAIR PHONE]
Push  BACK for the main screen.	

*1: Mobile name

Once the connection is finalised, the audio unit will automatically register the mobile phone and the audio unit display shows [PAIRING OK] and [CONNECT OK]. If it fails to register, the display shows [PAIRING FAIL] then start the procedure, previously described, again or consult the owner's manual of your mobile phone.

You can register up to 5 different Bluetooth® mobile phones. However, you can only use one mobile phone at a time. If you have 5 different Bluetooth®

mobile phones registered, a new mobile phone can only replace one of the 5 existing paired phones. Use [DEL PHONE] to delete one of the existing paired phones.

Paired phone list

The paired phone list shows which phones have been paired or registered with the Bluetooth® system. If the list contains multiple phones then you can select the appropriate phone to connect with the Bluetooth® system.

Action	Screen display
Briefly push <MENU>	
↓	[PHONE SETUP]
Push <ENTER>	
↓	[PAIRED LIST]
Push <ENTER>	
↓	Mobile 1
Turn VOLUME control dial	Mobile 2
↓	
Push <ENTER>	[PLEASE WAIT]
↓	[CONNECT OK] [CONNECT FAIL]
	[PAIRED LIST]
Push  for the main screen.	

In the above example procedure, "Mobile 2" will be connected.

Removing a paired phone

Deletes the connection between the Bluetooth® system and the registered mobile phone.

Action	Screen display
Briefly push <MENU>	
↓	[PHONE SETUP]
Push <ENTER>	
↓	
Turn VOLUME control dial	
↓	[DEL PHONE]
Push <ENTER>	
↓	Mobile 1
Turn VOLUME control dial	Mobile 2
↓	
Push <ENTER>	[DELETE?] [YES]
↓	
Push <ENTER> *	[DELETED]
↓	[DEL PHONE]
Push  for the main screen.	

*: For the "Mobile 2" connection the screen displays [DISCONNECTED], followed by "Mobile 2", then [DELETED].

In the above example, "Mobile 2" will be deleted while "Mobile 1" remains connected to the system.

Bluetooth® activation

Activates or deactivates the Bluetooth® function. You will need to activate the Bluetooth® function in order to enable your hands-free phone system (except in the pairing mode when it will be activated automatically).

Action	Screen display
Push <MENU>	
↓	[PHONE SETUP]
Push <ENTER>	
↓	
Turn VOLUME control dial	[BLUETOOTH]
↓	
Push <ENTER>	[B'TOOTH] [OFF]
↓	
Turn VOLUME control dial	[B'TOOTH] [ON]
↓	
Push <ENTER>	[BLUETOOTH]
Push  for the main screen.	

Displaying MY NUMBER

If your mobile phone is equipped with the function, the phone number of the active mobile phone will be displayed on the hands-free phone system.

Delete phone book list

To delete all the contacts from the phone book, proceed as follows:

Action	Screen display
Briefly push <MENU>	
↓	[PHONE SETUP]
Push <ENTER>	
↓	
Turn VOLUME control dial	[DEL P"BOOK]
↓	
Push <ENTER>	[DEL ALL?] <NO>
↓	
Turn VOLUME control dial	[DEL ALL?] [YES]
↓	
Push <ENTER>	[DELETING]
	[DELETED]
	[DEL P"BOOK]
Push  for the main screen.	

Phone book

When the phone book  button is pushed, the following options can be selected by turning the VOLUME control dial in either direction.

- [SEARCH]
- Contact names (from phone)
- Speed dial mode

See "Make a call via speed dial" later in this section

- [DELETE NAME]
- [EDIT NAME]
- [ADD NAME]
- Send name using Bluetooth® technology 
- [ADD NAME]
- Send all the phone book entries in the mobile phone using Bluetooth® technology 
- [DOWNLOAD]

The phone book can store up to 250 names with numbers and can be selected for calling. To add a contact to the phone book proceed as follows:

Action	Screen display
Push with a long push  button	
↓	[ADD NAME]
Push <ENTER>	
↓	[ENTER NAME]
Turn VOLUME control dial	ABC
↓	
Focus on "J"	IJK
Push <ENTER>	
↓	
Turn VOLUME control dial Focus on "O"	NOP
↓	
Push <ENTER>	
↓*1 *3	JO
Turn VOLUME control dial	[OK]
↓	
Push <ENTER>	
↓	[ENTER NUMBER]
Push <ENTER> then turn VOLUME control dial	1
↓*2 *3	
Push <ENTER>	123456789
↓	
Turn VOLUME control dial	
↓	[OK]
Push <ENTER>	[SAVED]

NOTE

In the above example the contact name **JO** and phone number **123456789** will be added.

*1: To insert special characters select the following character options A: Alphabetic characters, 1/2: Numerical characters, Ä: Latin characters and @: Symbol characters.

*2: Select the number then confirm your selection by pushing the <ENTER> button, and then proceed likewise for every number.

*3: To correct an entry, briefly push the  button then enter the correct details. To delete all characters push the  button for more than 1 second.

NOTE

You can also store the name and the phone number in one of the six preset buttons on the audio unit for frequently used phone numbers.

Transferring an entry to the phone book:

You can also send a name (contact) from a connected mobile phone to the phone book using Bluetooth® technology.

Action	Screen display
Briefly push  button	
↓	
Turn VOLUME control dial	 [ADD NAME]
↓	
Push <ENTER>	[SEND NAME]
↓ *1 *2	JOE
Push <ENTER>	
↓ *3	0123456789
Push <ENTER>	[SAVE] [YES]
↓	
Push <ENTER>	[SAVED]
↓	
	 [ADD NAME]
Push  for the main screen.	

*1: The Bluetooth® icon will blink for 2 minutes.

*2: Send the name via the registered mobile phone within the 2 minutes.

*3: Phone number is displayed.

Transferring all phone book entries at the same time:

If your mobile phone is equipped with the function, you can download all the phone book entries in the mobile phone to the hands-free system at the same time.

Action	Screen display
Briefly push  button	
↓	
Turn VOLUME control dial	 [DOWNLOAD]
↓	
Push <ENTER>	[APPEND?]
↓	
Turn VOLUME control dial	[OVERWRITE?]
↓	
Push <ENTER>	[DOWNLOADING...] [DOWNLOAD OK]
	 [DOWNLOAD]
Push  for the menu screen.	

NOTE

- If you select **APPEND**, downloaded entries will be saved in the available space without deleting previously saved information in the hands-free system. If there is not enough space, the downloaded entries that exceed the space available will not be saved and **MEMORY FULL** appears on the display.
- If you select **OVERWRITE**, the downloaded entries will be saved on top of the previously saved information. (The previously saved in-

formation will not be saved.) You can save up to 250 entries. If you attempt to download more than 250 entries, the remaining entries will not be saved and MEMORY FULL appears on the display.

Edit

You can edit a name or phone number stored in the phone book.

Action	Screen display
Push  button	
↓	
Turn VOLUME control dial	
↓	[EDIT NAME]
Push <ENTER>	
↓*1	
Turn VOLUME control dial	JOE
↓	
Push <ENTER>	
↓	JOE [OK]
Turn VOLUME control dial	
↓ Focus on "Y"	JOE <XYZ>
Push <ENTER>	
↓*2*3	JOEY
Push  for more than 1.5 seconds to go to main screen.	

*1: Alternatively use the search mode to select the appropriate entry to edit.

- [SEARCH] appears on the display then push the <ENTER> button.
- Select the first character of the name then push the <ENTER> button.
- The name should be displayed. If necessary, turn the VOLUME control dial to select the correct name.

*2: When the  button is pushed briefly, the cursor will move one step backwards and the last character will be deleted. To delete all characters push the  button for more than 1 second.

*3: If necessary, you can edit the telephone number. After editing the name, select [OK] then push the <ENTER> button to confirm and edit the number as described for name editing.

Delete a name:

To delete a name (contact) from the phone book, proceed as follows:

1. Briefly push the  button.
2. Turn the VOLUME control dial then select the [DELETE NAME].
3. Push the <ENTER> button.
4. Turn the VOLUME control dial to the name that needs to be deleted then push the <ENTER> button.

5. The display will show [DELETE?] [YES]. If applicable, turn the VOLUME control dial to select [DELETE?] [NO].

6. The display will show the message [DELETED].

The search mode can also be performed as follows:

1. Briefly push the  button.
2. [SEARCH] appears on the display then push the <ENTER> button.
3. Select the first character of the name then push the <ENTER> button.
4. The display will now show the name(s) beginning with the corresponding character. If necessary, turn the VOLUME control dial to select the correct name.

5. Push the <ENTER> button and the display will show [DELETE?] [YES]. If applicable, turn the VOLUME control dial to select [DELETE?] [NO].

6. To confirm the selection, push the <ENTER> button.

Speed dial buttons:

After entering the names and phone numbers, you can assign the six preset buttons to the most frequently dialed phone numbers.

1. Push the  button.
2. Select the name by turning the VOLUME control dial or using the search name mode.

3. Once found, push the assigned preset button until a confirmation beep is heard. The name and phone number are now stored under that button.

Hands-free telephone control

The hands-free mode can be operated using the telephone button controls on the audio unit or on the steering wheel.

Initiating a call:

A call can be initiated using one of the following methods:

- redial
- phone book
- voice tag
- speed dial (preset buttons)

NOTE

During the active call you can adjust the microphone volume by briefly pushing the <MENU> button then adjusting the volume by turning the VOLUME control dial within the value range of -2 to +2. To confirm the entry, briefly push the <ENTER> or  button or wait for 10 seconds to return to the active call main screen.

Redial:

Use the redial mode to call the last number that was dialled.

1. Briefly push the  button.
2. Select REDIAL.

3. Push the <ENTER> or the  button to redial the last number.

Make a call from the phone book:

In order to dial a contact from the phone book, proceed as follows:

1. Push the  button.
2. Turn the VOLUME control dial and select the correspondent name.
3. Push the <ENTER> or the  button in order to dial the number.

Alternatively, you can use the search mode as follows:

1. Briefly push the  button.
2. [SEARCH] appears on the display then push the <ENTER> button.
3. Select the first character of the name then the <ENTER> button.
4. The name should be displayed.

If necessary, turn the VOLUME control dial to select the correct name.

5. Push the <ENTER> or  button in order to dial the number.

Calling via voice tag:

If your mobile phone supports voice recognition, it is possible to make a call via the voice tag instead of manual selection, provided the name and number of your contact has been previously marked and stored

in the phone book of your mobile phone. For details, see the mobile phone manufacturer's owner's manual.

In order to dial via a voice tag, proceed as follows:

1. Push the  button for more than 2 seconds.
2. The display shows [SPEAK NOW].
3. Give your voice tag.

Say the voice tag clearly and normally in the direction of the microphone (located in the ceiling in front of the rearview mirror).

4. If the voice tag is correct, the phone system will dial the corresponding number.

Make a call via speed dial:

To make a speed dial call using one of the assigned preset buttons, proceed as follows:

1. Briefly push the  button.
2. Push the corresponding preset button (1-6).

Alternatively, you can select the corresponding preset number by turning the VOLUME control dial instead of pushing the preset button.

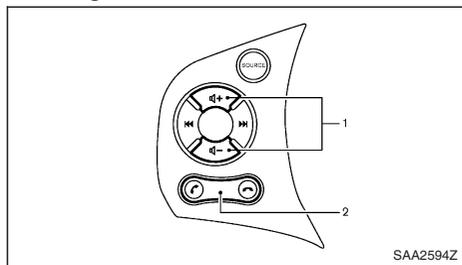
3. To confirm the selection, push the  button to make the call.

Receiving a call

When receiving an incoming call, the display will show the caller identification (or [NO NUMBER]) and you can:

- answer the call by briefly pushing the  button.
- end the call after the conversation by pushing the  button.
- reject the call by pushing the  button.

Steering wheel switches for Bluetooth®



The hands-free mode can be operated using the controls on the steering wheel.

Volume control switch:

The volume control switch allows you to adjust the volume of the speakers by pushing the + or – buttons ①.

Telephone button:

The  button ② allows you to:

- accept an incoming call by pushing the  button.
- reject an incoming call by pushing the  button during the incoming call.
- end an active call by pushing the  button once.
- redial the last outgoing call by pushing the  button twice.
- make a speed dial call by pushing the  button then push the scrolling (up/down) switch to scroll through the preset buttons for the stored phone numbers. To confirm the selection push the  button to make the call.
- make a call via voice dialling by pushing the  button for more than 2 seconds then say the voice tag clearly.

5 Starting and driving

Running-in schedule	5-2	Driving with Continuously Variable Transmis-	
Before starting the engine	5-2	sion (CVT)	5-10
Precautions when starting and driving	5-2	Driving with Manual Transmission (MT)	5-13
Exhaust gas (carbon monoxide)	5-2	Driving with Manual Transmission (MT)	5-14
Three-way catalyst	5-3	Electronic Stability Programme (ESP) System	
Care when driving	5-4	(where fitted)	5-15
Engine cold start period	5-4	Electronic Stability Programme (ESP) OFF	
Loading luggage	5-4	Switch	5-16
Driving in wet conditions	5-4	Speed limiter (where fitted)	5-17
Driving in winter conditions	5-4	Speed limiter operations	5-17
Ignition switch (Models without intelligent Key		Cruise control (where fitted)	5-19
system)	5-4	Precautions on cruise control	5-19
Continuously Variable Transmission (CVT)	5-4	Cruise control operations	5-19
Manual transmission (MT)	5-5	Parking	5-21
Steering lock	5-5	Sonar (parking sensor) system (where fitted)	5-23
Key positions	5-5	Parking Sensor Indicator (where fitted)	5-24
Push-button ignition switch (Models with		Parking space measurement operation (where	
Intelligent Key system)	5-6	fitted)	5-24
Precautions on push-button ignition switch		Trailer towing	5-27
operation	5-6	Electric power steering system	5-27
Intelligent Key system	5-6	Brake system	5-28
Steering lock	5-7	Brake precautions	5-28
Ignition switch positions	5-7	Brake assist (where fitted)	5-29
Intelligent Key battery discharge	5-8	Anti-lock Braking System (ABS) (where fitted)	5-29
Starting engine (Models without Intelligent Key		Using the system	5-29
system)	5-9	Self-test feature	5-29
Starting engine (Models with Intelligent Key		Normal operation	5-30
system)	5-9	Vehicle security	5-30
Driving vehicle	5-10	Cold weather driving	5-30
		Battery	5-31

Engine coolant..... 5-31
Tyre equipment..... 5-31
Special winter equipment..... 5-31

Parking brake 5-31
Corrosion protection..... 5-31



RUNNING-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 the recommendations may result in shortened engine life and reduced engine performance:

- Avoid driving for long periods at a constant speed, either fast or slow.
- Do not run the engine over 4,000 rpm.
- Do not accelerate at full throttle in any gear.
- Avoid quick starts.
- Avoid hard braking as much as possible.

BEFORE STARTING THE ENGINE



WARNING

The driving characteristics of your vehicle can be changed remarkably by any additional load and its distribution as well as by adding optional equipment (trailer couplings, roof racks, etc.). Your driving style and speed have to be adjusted accordingly. Especially when carrying heavy loads, your speed must be reduced adequately.

- Make sure the area around the vehicle is free of obstacles.
- Visually inspect tyres for their appearance and condition. Also check the tyre pressure for proper inflation.
- Check that all windows and light lenses are clean.
- Position the seat and adjust the head restraints.
- Adjust the inside and outside mirrors.
- Fasten your seat belt and ask all passengers to do likewise.
- Check that all doors are closed.
- Check the operation of the warning/indicator lights when the ignition switch is switched to the ON position.
- Maintenance items in the "8. Maintenance and do-it-yourself" section should be checked periodically.

PRECAUTIONS WHEN STARTING AND DRIVING



WARNING

- Never leave children or adults who would normally require the support of others alone in your vehicle. Pets should not be left alone either. They could unknowingly activate switches or controls and inadvertently become involved in a serious accident and injure themselves. On hot, sunny days, temperatures in a closed vehicle could quickly become high enough to cause severe or possibly fatal illness to people or animals.
- Properly secure all luggage to help prevent it from sliding or shifting. Do not place luggage higher than the seatbacks. In a sudden stop or collision, unsecured luggage could cause personal injury.

EXHAUST GAS (carbon monoxide)



WARNING

- Do not breathe exhaust gas; it contains colourless and odourless carbon monoxide. Carbon monoxide is dangerous. It can cause unconsciousness or death.
- If you suspect that exhaust fumes are entering the vehicle, drive with all windows fully open, and have the vehicle inspected immediately.
- Do not run the engine in closed spaces such as a garage.

- Do not park the vehicle with the engine running for an extended period of time.
- Keep the back door closed while driving, otherwise exhaust gas could be drawn into the passenger compartment. If you must drive with the back door open, follow these precautions:
 - Open all the windows.
 - Turn the air recirculation mode off and set the fan control to the highest level to circulate the air.
- If electrical wiring or other cable connections must pass to a trailer through the seal of the back door or the body, follow the manufacturer's recommendation to prevent carbon monoxide entry into the vehicle.
- If a special body or other equipment is added for recreational or other usage, follow the manufacturer's recommendation to prevent carbon monoxide entry into the vehicle. (Some recreational vehicle appliances such as stoves, refrigerators, heaters, etc. may also generate carbon monoxide.)
- The exhaust system and body should be inspected by a NISSAN dealer or qualified workshop whenever:
 - Your vehicle is raised for service.
 - You suspect that exhaust fumes are entering into the passenger compartment.

- You notice a change in the sound of the exhaust system.
- You have had an accident involving damage to the exhaust system, underbody, or rear of the vehicle.

THREE-WAY CATALYST



WARNING

- The exhaust gas and the exhaust system are very hot. Keep people, animals and flammable materials away from the exhaust system components.
- Do not stop or park the vehicle over flammable materials such as dry grass, wastepaper or rags. They may ignite and cause a fire.



NISSAN GREEN PROGRAM

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 petrol. For details, see "Fuel recommendation" in the "9. Technical information" section.

Deposits from leaded petrol seriously reduce the ability of the three-way catalyst to help reduce exhaust pollutants and/or damage the three-way catalyst.

- Keep the engine of your vehicle 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 or qualified workshop.
- Avoid driving with an extremely low fuel level. Running out of fuel could cause the engine to misfire, damaging the three-way catalyst.
- Do not race the engine while warming it up.
- Do not push or tow your vehicle to start the engine.

CARE WHEN DRIVING

Driving your vehicle to fit the circumstances is essential for your safety and comfort. As a driver, you should be the one who knows best how to drive in the given circumstances.

ENGINE COLD START PERIOD

Due to the higher engine speeds when the engine is cold, extra caution must be exercised when selecting a gear during the engine warm-up period after starting the engine.

LOADING LUGGAGE

Loads, their distribution and the attachment of equipment (coupling devices, roof luggage carriers, etc.) will change the driving characteristics of the vehicle considerably. Driving style and speed must be adjusted accordingly.

DRIVING IN WET CONDITIONS

- Avoid starting off, accelerating and stopping suddenly.
- Avoid sharp turns or lane changes.
- Extra distance should be kept from the vehicle in front.
- When water covers the road surface in puddles, small streams, etc, **REDUCE SPEED** to prevent aquaplaning which will cause skidding and loss of control. Worn tyres increase this risk.

DRIVING IN WINTER CONDITIONS

- Drive safely.

- Avoid starting off, accelerating or stopping suddenly.
- Avoid sharp turns or lane changes.
- Avoid sudden steering actions.
- Extra distance should be kept from the vehicle in front.

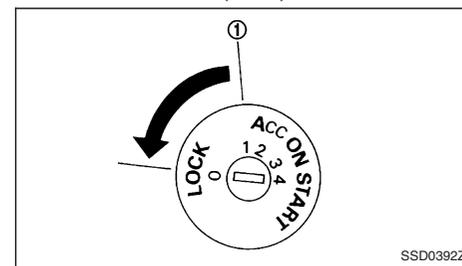
IGNITION SWITCH (Models without intelligent Key system)



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.

CONTINUOUSLY VARIABLE TRANSMISSION (CVT)



The ignition lock is designed so that the ignition switch cannot be turned to the “LOCK” position until the selector 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 selector lever is in the P (Park) position.

When the ignition switch cannot be turned to the “LOCK” position:

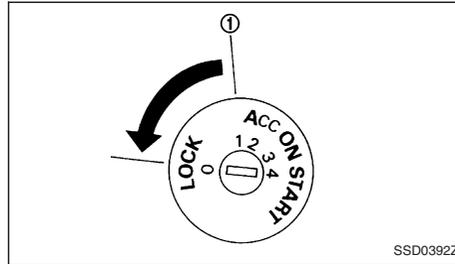
1. Move the selector lever to the P (Park) position.

2. Turn the ignition switch slightly in the "ON" direction.
3. Turn the ignition switch to the "LOCK" position.
4. Remove the key, if it is inserted in the ignition switch.

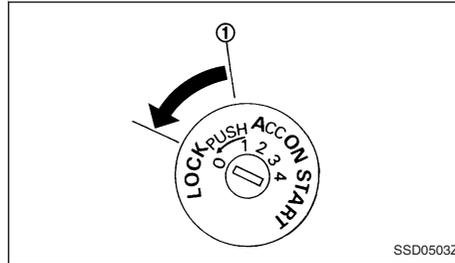
If the ignition switch is turned to the "LOCK" position, the selector lever cannot be moved from the P (Park) position. The selector lever can be moved if the ignition switch is in the "ON" position with the footbrake pedal depressed.

The "OFF" position ① is between the "LOCK" and "ACC" positions, although it is not marked on the ignition switch.

MANUAL TRANSMISSION (MT)



Type A



Type B

The ignition switch includes a device that helps prevent accidental removal of the key while driving.

The key can only be removed when the ignition switch is in the "LOCK" position.

Type B: 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 labelled on the ignition switch.

STEERING LOCK

To lock steering wheel

1. Turn the ignition switch to the "LOCK" position.
2. 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 when in this position.

The steering lock can only be locked in 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.

PUSH-BUTTON IGNITION SWITCH (Models with Intelligent Key system)

ON (3)

The ignition system and the electrical accessory power activate without the engine turned on.

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 selector lever to the P (Park) position (Continuously Variable Transmission models) or the shift lever to the N (Neutral) position (for Manual Transmission models).

INTELLIGENT KEY SYSTEM

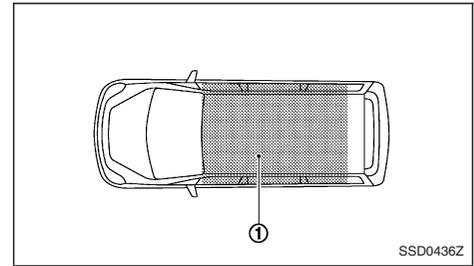
The Intelligent Key system can operate the ignition switch without taking the key out from your pocket or bag. The operating environment and/or conditions may affect the Intelligent Key system operation. (See "Vehicle information display (where fitted)" in the "2. Instruments and controls" section.)

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" in the "6. In case of emergency" section)**

Operating range



The Intelligent Key can only be used for starting the engine when the Intelligent Key is within the specified operating range ①.

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

If the Intelligent Key is within the operating range, it is possible for anyone, even someone who does not carry the Intelligent Key, to push the ignition switch to start the engine.

- The luggage room area is not included in the operating range, but the Intelligent Key may function.
- If the Intelligent Key is placed on the instrument panel, inside the glove box, door pocket or the corner of the interior compartment, the Intelligent Key may not function.
- If the Intelligent Key is placed near the door or window outside the vehicle, the Intelligent Key may function.

Continuously Variable Transmission (CVT) models

The ignition lock is designed so that the ignition switch cannot be switched to the "LOCK" position until the selector lever is moved to the P (Park) position. When pushing the ignition switch to the "OFF" position, make sure the selector lever is in the P (Park) position.

When the ignition switch cannot be switched to the "LOCK" position:

1. Move the selector 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 selector lever cannot be moved from the P (Park) position. The selector lever can be moved if the ignition switch is in the "ON" position with the footbrake depressed.

For warnings and indicators on the Vehicle information display, see "Vehicle information display (where fitted)" in the "2. Instruments and controls" section.

STEERING LOCK

The ignition switch is equipped with an anti-theft 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

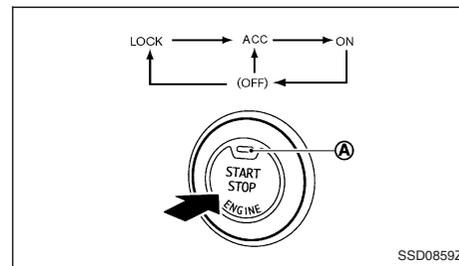
Push the ignition switch, and the steering wheel will be automatically unlocked.

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.**

(See "Vehicle information display (where fitted)" in the "2. Instruments and controls" section.)

IGNITION SWITCH POSITIONS



When the ignition switch is pushed without depressing the brake pedal (Continuously Variable Transmission models) or the clutch pedal (Manual Transmission models), 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 Key.

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.



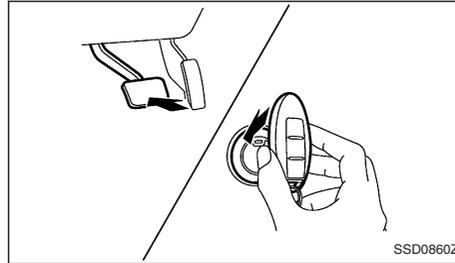
WARNING

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.

INTELLIGENT KEY BATTERY DISCHARGE



If the battery of the Intelligent Key is discharged, or environmental conditions interfere with the Intelligent Key operation, start the engine according to the following procedure:

1. Continuously Variable Transmission (CVT) models:

Move the selector lever to the P (Park) or N (Neutral) position.

Manual Transmission (MT) models:

Move the shift lever to the N (Neutral) position.

2. Firmly apply the footbrake pedal.
3. Touch the ignition switch with the Intelligent Key as illustrated. (A chime will sound.)
4. Push the ignition switch while depressing the brake pedal within 10 seconds after the chime sounds. The engine will start.

After step 3 is performed, when the ignition switch is pushed without depressing the brake pedal, 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 battery discharge indicator appears (on the Vehicle information display) or 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 battery discharge indicator appears (on the Vehicle information display) or the Intelligent Key system warning light in the meter is blinking in green, replace the battery as soon as possible. (See “Battery” in the “8. Maintenance and do-it-yourself” section.)

STARTING ENGINE (Models without Intelligent Key system)

1. Apply the parking brake.
2. Depress the footbrake pedal.
3. **Continuously Variable Transmission (CVT) models:**

Move the selector lever to the P (Park) or N (Neutral) position.

The starter is designed to operate only when the selector lever is in the proper position.

Manual Transmission (MT) models:

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.

4. Crank the engine with your foot off the accelerator pedal by turning the ignition switch to the "START" position.
5. 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 warm-up. Drive at moderate speeds for a short distance first, especially in cold weather.

CAUTION

Do not leave the vehicle unattended while the engine is warming up.

STARTING ENGINE (Models with Intelligent Key system)

1. Apply the parking brake.
2. **Continuously Variable Transmission (CVT) models:**

Move the selector lever to the P (Park) or the N (Neutral) position.

The starter is designed to operate only when the selector lever is in the proper position.

Manual Transmission (MT) models:

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. Depress the brake pedal (CVT models) or the clutch pedal (MT models) 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. 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.

DRIVING VEHICLE

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.
5. Allow the engine to idle for at least 30 seconds after starting the engine to warm-up. Drive at moderate speeds for a short distance first, especially in cold weather.

CAUTION

Do not leave the vehicle unattended while the engine is warming up.

6. To stop the engine, move the selector lever to the P (Park) position (CVT models) or move the shift lever to the N (Neutral) position (MT models), apply the parking brake and push the ignition switch to the “OFF” position.

DRIVING WITH CONTINUOUSLY VARIABLE TRANSMISSION (CVT)

The Continuously Variable Transmission (CVT) in your vehicle is electronically controlled to produce maximum power and smooth operation.

The recommended operating procedures for this transmission are shown on the following pages. Follow these procedures for maximum vehicle performance and driving enjoyment.



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.
- 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 or qualified workshop.

- 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 footbrake pedal should be depressed in this situation.

Starting vehicle

1. After starting the engine, fully depress the footbrake pedal before moving the selector lever out of the “P” (Park) position.
2. Keep the footbrake pedal depressed and move the selector lever to a driving position.
3. Release the parking brake, the footbrake pedal, and then gradually start the vehicle in motion.

The CVT is designed so the footbrake pedal **MUST** be depressed before shifting from the “P” (Park) position to any driving position while the ignition switch is in the “ON” position.

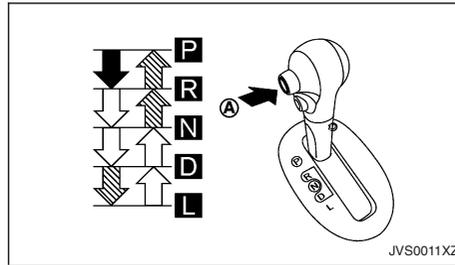
The selector lever cannot be moved out of the “P” (Park) position and into any of the other positions if the ignition switch is placed in the “LOCK”, “OFF” or “ACC” position or if the key is removed.

CAUTION

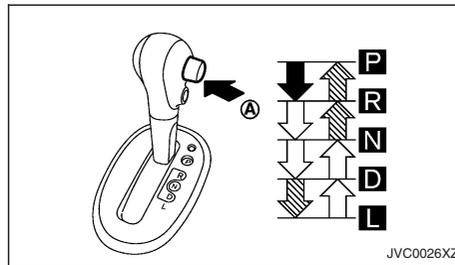
- **DEPRESS THE FOOTBRAKE PEDAL** - Shifting the selector lever to “D”, “R” or “L” without

depressing the footbrake pedal causes the vehicle to move slowly when the engine is running. Make sure the footbrake pedal is depressed fully and the vehicle is stopped before shifting the selector lever.

- **MAKE SURE OF THE SELECTOR LEVER POSITION** - Make sure the selector lever is in the desired position. "D" and "L" are used to move forward and "R" to reverse.
- **WARM UP THE ENGINE** - Due to the higher idle speeds when the engine is cold, extra caution must be exercised when shifting the selector lever into the driving position immediately after starting the engine.



Left-Hand Drive (LHD) model



Right-Hand Drive (RHD) model

Shifting

- ➔ Push the button while depressing the brake pedal.
- ➔➔ Push the button to shift.
- ➔➔➔ Shift without depressing the brake pedal.



WARNING

- Apply the parking brake if the selector 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 selector lever cannot be moved from the "P" (Park) position while the engine is running and the footbrake 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 selector lever button and move the selector lever out of the "P" (Park) position.

If the ignition switch is placed in the "OFF" or "ACC" position for any reason while the selector 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 footbrake pedal.
3. Move the selector 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 selector lever into the "P" (Park) position.** Apply the parking brake. When parking on a hill, first depress the footbrake pedal, apply the parking brake, and then move the selector lever into the "P" (Park) position.

R (Reverse):

Use this position to reverse. 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.

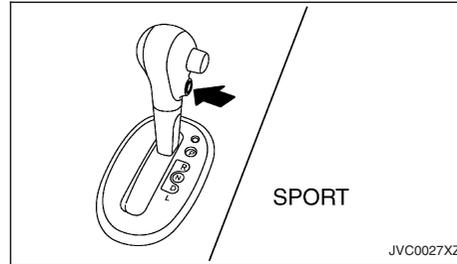
D (Drive):

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



Right-Hand Drive (RHD) model

To select the SPORT mode, push the SPORT mode switch with the selector 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 selector lever is shifted to any position other than "D", the SPORT mode will be automatically turned off.

"OFF" position:

For normal driving and fuel economy, use the "OFF" position.

"ON" position:

For driving up or down long slopes where engine braking is necessary, or for powerful acceleration, use the "ON" position. The transmission will automatically select a different gear ratio, allowing the engine to provide high output.

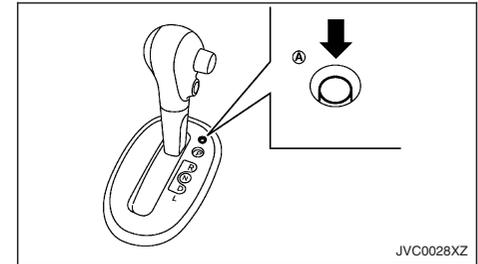
When driving conditions change, push the switch to turn the SPORT mode off.

Remember not to drive at high speeds for extended periods of time with the SPORT mode in the "ON" position. This reduces fuel economy.

Accelerator downshift - in the "D" position -

For passing or climbing hills, depress the accelerator pedal to the floor. This shifts the transmission down into a lower gear, depending on the vehicle speed.

Shift lock release



Right-Hand Drive (RHD) model

If the battery charge is low or discharged, the selector lever may not be moved from the "P" (Park) position even with the brake pedal depressed and the selector lever button pushed.

To move the selector lever, perform the following procedure:

1. 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 "ON" position, and remove the key if it is inserted.

2. Apply the parking brake.

3. Depress the shift lock release button (A).

4. Push the selector lever button and move the selector 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 selector lever cannot be moved out of the "P" (Park) position, have a NISSAN dealer or qualified workshop check the CVT system as soon as possible.

 **WARNING**

If the selector 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, such as when towing a trailer), 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 or qualified workshop check the transmission and repair it if necessary.

 **WARNING**

When the fail-safe operation occurs, vehicle speed may be gradually reduced. The reduced speed may be lower than other traffic, which could increase the chance of a collision. Be especially careful when driving. If necessary, pull to the side of the road at a safe place and allow the transmission to return to normal operation, or have it repaired if necessary.

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

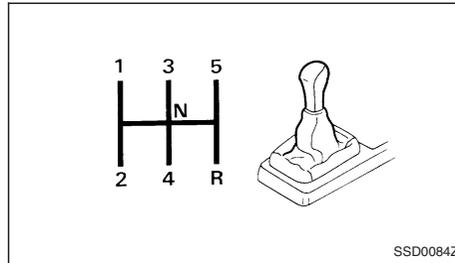
- Do not rest your foot on the clutch pedal while driving. This may damage the clutch system.
- Fully depress the clutch pedal before shifting to help prevent transmission damage.
- Stop the vehicle completely before shifting into the "R" (Reverse) position.

- 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 footbrake 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

1. After starting the engine, depress the clutch pedal to the floor and move the shift lever to the “1” (1st) or “R” (Reverse) position.
2. 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 “1” (1st) position, shift to the “N” (Neu-

tral) position, and then release the clutch pedal once. Fully depress the clutch pedal again and shift into “R” or “1”.

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.

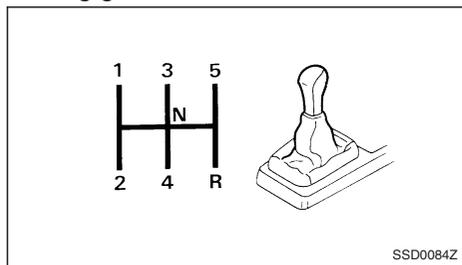
CAUTION

- 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 footbrake 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

1. After starting the engine, depress the clutch pedal to the floor and move the shift lever to the "1" (1st) or "R" (Reverse) position.
2. 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 "1" (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 "1".

ELECTRONIC STABILITY PROGRAMME (ESP) SYSTEM (where fitted)



WARNING

- The Electronic Stability Programme (ESP) system is designed to help improve driving stability but does not prevent accidents due to abrupt steering operation at high speeds or due to careless or dangerous driving techniques. Reduce vehicle speed and be especially careful when driving and cornering on slippery surfaces and always drive carefully.
- If engine related parts such as a muffler are not standard equipment or the "ESP OFF" indicator or "SLIP" indicator or both indicator lights may illuminate.
- Do not modify the vehicle's suspension. If suspension parts such as shock absorbers, struts, springs, stabiliser bars and bushings are not NISSAN approved or are extremely deteriorated the ESP system may not operate properly. This could adversely affect vehicle handling performance, and the "ESP OFF" indicator or "SLIP" indicator or both indicator lights may illuminate.
- If brake related parts such as brake pads, rotors and callipers are not standard equipment or are extremely deteriorated, the "ESP OFF" indicator or "SLIP" indicator or both indicator lights may illuminate.
- When driving on extremely inclined surfaces such as higher banked corners, the ESP system may not operate properly and the "ESP

OFF indicator or **“SLIP”** indicator or both indicator lights may illuminate. Do not drive on these types of roads.

- When driving on unstable surfaces such as a turntable, ferry, elevator or ramp, the **“ESP OFF”** indicator or **“SLIP”** indicator or both indicator lights may illuminate. This is not a malfunction. Restart the engine after driving onto a stable surface.
- If wheels or tyres other than those recommended are used, the ESP system may not operate properly and **“SLIP”** indicator light may illuminate.
- The ESP system is not a substitute for winter tyres or tyre chains on a snow-covered road.
- When the ESP system is operating, the **“SLIP”** indicator  in the instrument panel blinks.
- If the **“SLIP”** indicator blinks, the road conditions are slippery. Be sure to adjust your speed and driving to these conditions. Be sure to drive carefully. (See **“Slip indicator light (where fitted)”** in the **“2. Instruments and controls”** section and **“Electronic Stability Programme (ESP) off indicator light (where fitted)”** in the **“2. Instruments and controls”** section.)
- Indicator light

If a malfunction occurs in the system, the **“SLIP”**  indicator lights illuminate in the instrument panel. As long as these indicators are illuminated, the ESP system function is cancelled.

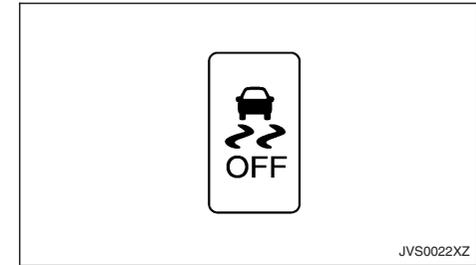
The ESP system uses a Brake Limited Slip Differential (BLSD) function to improve vehicle traction. The BLSD system works when one of the driving wheels is spinning on a slippery surface. The BLSD system brakes the spinning wheel, which distributes the driving power to the other drive wheel. If the vehicle is operated with the ESP system turned off, all ESP system functions will be turned off.

The BLSD system and ABS will still operate with the ESP system off. If the BLSD system is activated, the **“SLIP”** indicator light will blink and 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.

While the ESP system is operating, you may feel a pulsation in the brake pedal and hear a noise or feel a vibration from under the bonnet. This is normal and indicates that the ESP system is working properly.

The ESP system 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 forward or backward. When the self-test occurs, you may hear a **“clunk”** noise and/or feel a pulsation in the footbrake pedal. This is normal and is not an indication of a malfunction.

ELECTRONIC STABILITY PROGRAMME (ESP) OFF SWITCH



The vehicle should be driven with the Electronic Stability Programme (ESP) system on for most driving conditions.

When the vehicle is stuck in mud or snow, the ESP 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 ESP system off.

To turn off the ESP system, push the ESP OFF switch located on the lower side of the instrument panel. The  indicator light will illuminate.

Push the ESP OFF switch again or restart the engine to turn on the system.

SPEED LIMITER (where fitted)

The speed limiter allows you to set the desired vehicle speed limit. While the speed limiter is activated, the driver can perform normal braking and acceleration, but the vehicle will not exceed the set speed.



WARNING

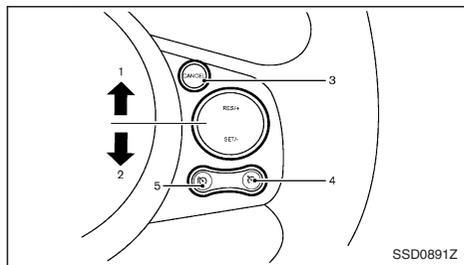
- Always observe posted speed limits. Do not set the speed over them.
- Always confirm the setting status of the speed limiter on the vehicle information display and instrument panel.

When the speed limiter is on, the cruise control cannot be operated.

SPEED LIMITER OPERATIONS

The speed limiter can be set between 30 km/h and 170 km/h or 20 MPH and 105 MPH.

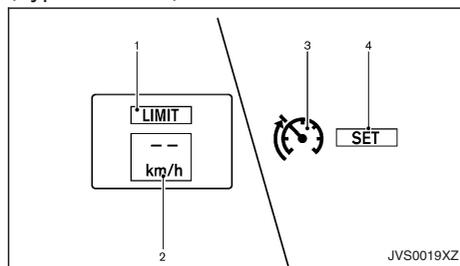
The speed limiter set switches are located on the steering wheel.



1. RES/+ switch
2. SET/- switch
3. CANCEL switch
4. Cruise control MAIN switch (For details, see "Cruise control (where fitted)" later in this section.)
5. Speed limiter MAIN switch

(When this switch is pushed, the speed limiter enters the standby mode. If the cruise control system is on, the system will turn off and the speed limiter enters the standby mode.)

Speed limiter display and indicators (Type B model)



The speed limiter operating condition is shown on the vehicle information display and instrument panel.

Vehicle information display:

1. LIMIT indicator
2. Set speed indicator

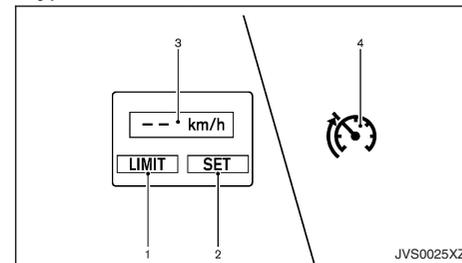
When the vehicle speed exceeds the set speed limit, the set speed indicator blinks and the accelerator pedal operation will not work until the vehicle speed slows down to the set speed limit.

Instrument panel:

3. Speed limiter indicator light
4. SET indicator light

The speed limiter will not automatically brake the vehicle to the set speed limit.

Speed limiter display and indicators (Type C model)



The speed limiter operating condition is shown on the vehicle information display and instrument panel.

Vehicle information display:

1. LIMIT indicator
2. SET indicator light
3. Set speed indicator

When the vehicle speed exceeds the set speed limit, the set speed indicator blinks and the accelerator pedal operation will not work until the vehicle speed slows down to the set speed limit.

Instrument panel:

4. Speed limiter indicator light

The speed limiter will not automatically brake the vehicle to the set speed limit.

Turning on speed limiter

Push the speed limiter MAIN switch. The speed limiter indicator (light) and the LIMIT indicators illuminate. The set speed indicator shows “- - -”.

Setting speed limit

1. Push the SET/- switch.
 - When the vehicle is stopped, the speed will be set at 30 km/h or 20 MPH.
 - While driving, the speed limit will be set at the current speed.
2. When the speed limit is set, the SET (indicator light) and the set speed indicators illuminate on the vehicle information display and instrument panel (for Type B model).

Changing set speed limit:

Use either of the following operations to change the speed limit.

- Push and hold the RES/+ or SET/- switch. The set speed will increase or decrease by approximately 10 km/h or 10 MPH.

- Push, then quickly release the RES/+ or SET/- switch. Each time you do this, the set speed will increase or decrease by approximately 1 km/h or 1 MPH.

Resuming preset speed limit:

Push the RES/+ switch. The SET indicator (light) illuminates, and the speed limiter will resume the last set speed limit. If the vehicle is driven at a speed over the last set speed limit, the set speed indicator will blink.

Cancelling speed limit

To cancel the speed limiter, push the CANCEL switch. The SET indicator (light) will turn off. (The set speed indicator will remain on the display.)

If the accelerator pedal is fully depressed (beyond the resistance point), the speed limiter is temporarily suspended and the vehicle speed may be controlled above the set speed. (For Continuously Variable Transmission model: The transmission may downshift into a lower gear). The SET indicator (light) will remain on the instrument panel (for Type B model) or vehicle information display (for Type C model).

If the accelerator pedal returns to the resistance point and the vehicle speed returns to the set speed, the speed limiter will activate and limit vehicle speed.

When one of the following operations is performed, the speed limiter will be cancelled. The speed limiter indicator light, and the SET indicator (light) and the LIMIT indicator will turn off. These cancelling methods will erase the set speed limit memory.

- Push the speed limiter MAIN switch.
- Push the cruise control MAIN switch.

Speed limiter malfunction

Type B model:

If the speed limiter malfunctions, the SET indicator light on the instrument panel will blink. Turn the speed limiter MAIN switch off and have the system checked by a NISSAN dealer or qualified workshop.

Type C model:

If the speed limiter malfunctions, the SET indicator on the vehicle information display will blink. Turn the speed limiter MAIN switch off and have the system checked by a NISSAN dealer or qualified workshop.

CRUISE CONTROL (where fitted)



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) model, do not shift to the “N” (Neutral) position without depressing the clutch pedal when the cruise control is operated. 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 SET indicator and the cruise control indicator light will blink to warn the driver.
- If the engine coolant temperature becomes excessively high, the cruise control system will be cancelled automatically.
- If the SET indicator and cruise control indicator light blink, turn off the cruise control MAIN switch and have the system checked by a NISSAN dealer or qualified workshop.
- The SET indicator and cruise control indicator light may blink when the cruise control MAIN switch is turned on while pushing the RES+, SET-, CANCEL switch. To properly set the cruise control system, use the following procedures.

CRUISE CONTROL OPERATIONS

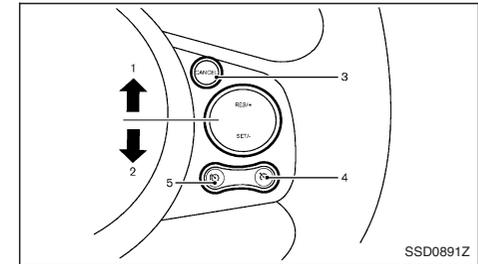
The cruise control allows driving at speeds above 40 km/h (25 MPH) without keeping your foot on the accelerator pedal.

The cruise control will automatically be cancelled if the vehicle slows down more than approximately 13 km/h (8 MPH) below the set speed.

Moving the selector lever to the “N” (Neutral) position (Continuously Variable Transmission model) or

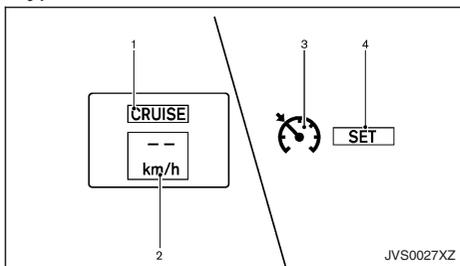
depressing the clutch pedal (Manual Transmission model) will cancel the cruise control and the SET indicator will turn off.

The cruise control switches are located on the steering wheel.



1. RES/+ switch
2. SET/- switch
3. CANCEL switch
4. Cruise control MAIN switch
5. Speed limiter MAIN switch (For details, see “Speed limiter (where fitted)” earlier in this section.)

Cruise control display and indicators (Type B model)



The cruise control operating condition is shown on the vehicle information display and instrument panel.

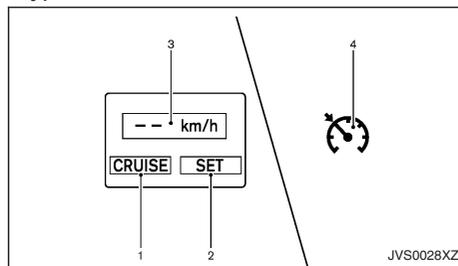
Vehicle information display:

1. CRUISE indicator
2. Set speed indicator

Instrument panel:

3. Cruise control indicator light
4. SET indicator light

Cruise control display and indicators (Type C model)



Vehicle information display:

1. CRUISE indicator
2. SET indicator light
3. Set speed indicator light

Instrument panel:

4. Cruise control indicator light

Turning on cruise control

Push the cruise control MAIN switch. The cruise control indicator light illuminates. The set speed indicator shows "--".

Setting cruising speed

1. Accelerate to the desired speed.
2. Push the SET- switch and release it.
3. The SET indicator light and set speed indicator illuminate on the meter panel and the vehicle information display.
4. Take your foot off the accelerator pedal.

The vehicle will maintain the set speed.

Passing another vehicle:

Depress the accelerator pedal to accelerate. After releasing the accelerator pedal, the vehicle will return to the previously set speed.

The vehicle may not maintain the set speed when going up or down steep hills. In such cases, drive without the cruise control.

Resetting to slower speed:

Use any one of the following methods to reset to a slower speed.

- Lightly tap the footbrake pedal. When the vehicle reaches the desired speed, push and release the SET- switch.
- Push and hold the SET- switch. When the vehicle reaches the desired speed, release the SET- switch.
- Quickly push and release the SET- switch. This will reduce the vehicle speed by about 1 km/h or 1 MPH.

PARKING

Resetting to faster speed:

Use any one of the following methods to reset to a faster speed.

- Depress the accelerator pedal. When the vehicle reaches the desired speed, push and release the SET- switch.
- Push and hold the RES+ switch. When the vehicle reaches the desired speed, release the RES+ switch.
- Quickly push and release the RES+ switch. This will increase the vehicle speed by about 1 km/h or 1 MPH.

Resuming at preset speed:

Push and release the RES+ switch.

The vehicle will resume the last set cruising speed when the vehicle speed is over 40 km/h (25 MPH).

Cancelling cruising speed

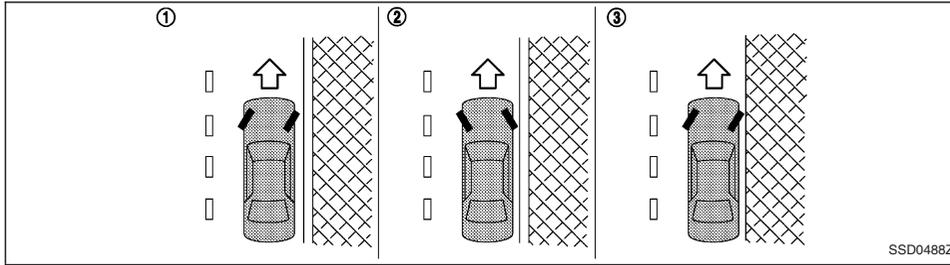
Use any one of the following methods to cancel the set speed.

- Push the CANCEL switch. The SET indicator light will turn off.
- Tap the footbrake pedal. The SET indicator light will turn off.
- Push the cruise control MAIN switch. Both the SET and cruise indicator lights turn off.

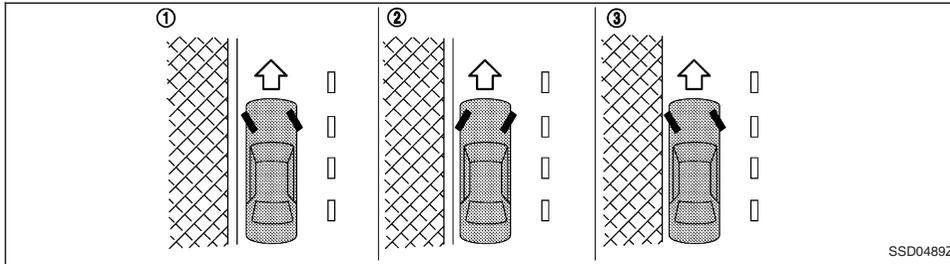


WARNING

- 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 selector lever placed in the “P” (Park) position (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 selector lever is moved to the “P” (Park) position. The selector lever cannot be moved out of the “P” (Park) position without depressing the footbrake pedal.
- Never leave the engine running while the vehicle is unattended.
- 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 illness to people and animals.



Left-Hand Drive (LHD) model



Right-Hand Drive (RHD) model

1. Firmly apply the parking brake.
2. Continuously Variable Transmission (CVT) model: Move the selector 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.

3. To help prevent the vehicle from moving into traffic when parked on an incline, it is a good practice to turn the wheels as illustrated.

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.

HEADED UPHILL OR DOWNHILL, WITHOUT CURB ③

Turn the wheels toward the side of the road so the vehicle will move away from the centre of the road if the vehicle moves. Then apply the parking brake.

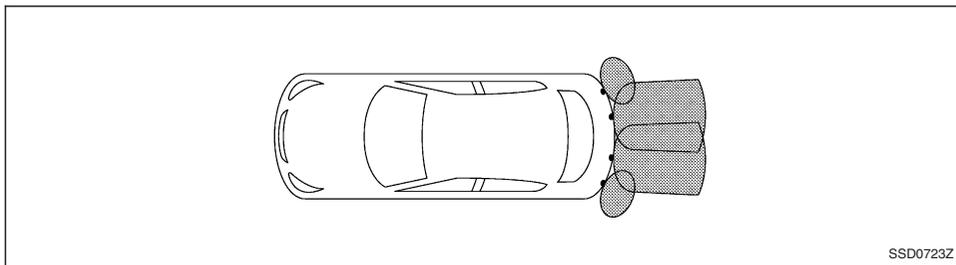
4. Model with Intelligent Key system:

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.

SONAR (parking sensor) SYSTEM (where fitted)



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.

When the ignition switch is in the "ON" position, the sonar (parking sensor) system is operational.

The sonar (parking sensor) system sounds a tone to warn the driver of obstacles near the bumper. The parking sensor indicator will also appear in the vehicle information display. (See "Parking Sensor Indicator (where fitted)" later in this section). The system detects rear obstacles when the selector/shift lever is in the "R" (Reverse) position. The system

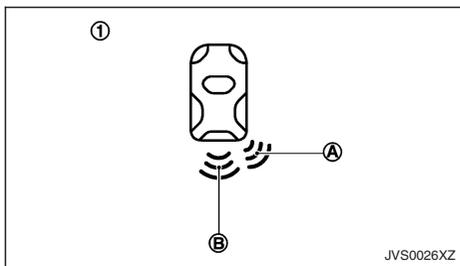
may not detect objects at speeds above 10 km/h (6 MPH) and may not detect certain angular or moving objects.

The sonar (parking sensor) system detects obstacles up to 1 m (3.3 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 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 selector/shift lever is moved to the "R" (Reverse) position. Have the system checked by a NISSAN dealer or qualified workshop.

PARKING SENSOR INDICATOR (where fitted)



- ① Parking sensor display
- Ⓐ Corner sensor indicator
- Ⓑ Centre sensor indicator

With the sonar (parking sensor) system ON in the "R" (Reverse) position, when the corner/centre sensors (sonar) detect obstacles near the bumper, a tone will sound and the parking sensor indicator will appear in the vehicle information display ①.

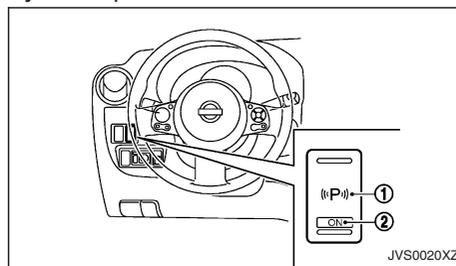
The parking sensor indicators Ⓐ and Ⓑ indicate the position of the object and the distance to the object with its colour and rate of blinking.

When an object is detected, the indicator (green) appears and blinks (the tone sounds intermittently). When the vehicle moves closer to the object, the colour of the indicator turns yellow and the rate of blinking increases (the volume of the tone increases). When the corner of the vehicle is very

close to the object, less than 30 cm (11.8 in) away, the indicator stops blinking and turns red (the tone sounds continuously).

PARKING SPACE MEASUREMENT OPERATION (where fitted)

System operation

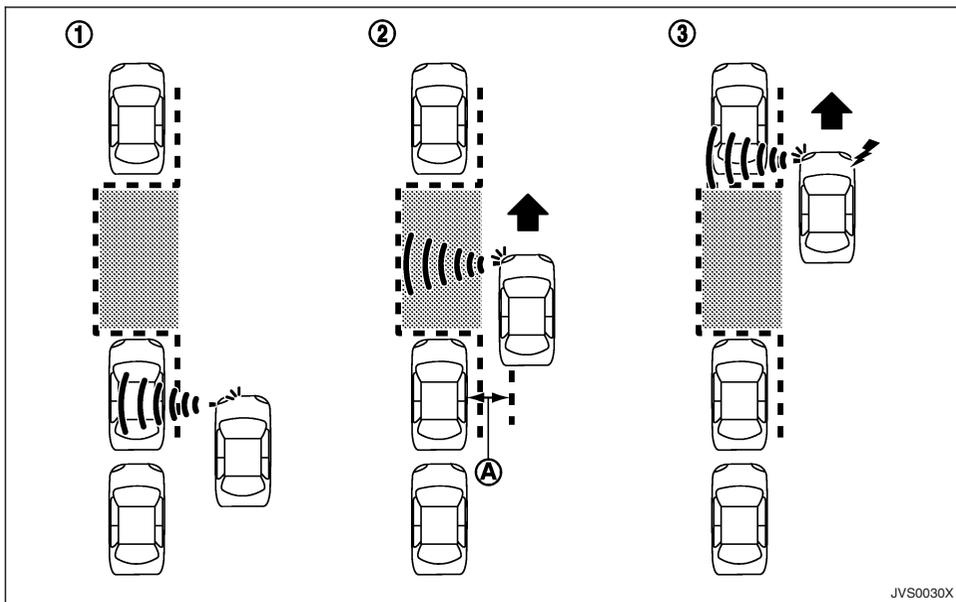


Parking space measurement switch

- ① Parking space measurement switch
- ② ON indicator light

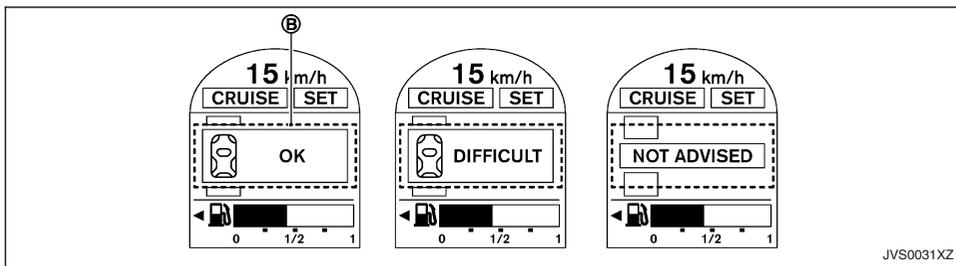
The system is intended to help the driver parallel park easily. When the system is activated by pressing the switch, it informs the driver of parallel parking availability.

Press the switch ① to turn on the parking space measurement system.



JVS0030X

1. Select left or right to parallel park by operating the turn signal switch.
2. Drive the vehicle alongside the cars you will parallel park between at approximately 15 km/h (9 MPH). Maintain approximately a one metre distance between your vehicle and the one next to your vehicle as illustrated (A).
3. When the parking space is measured, a beep sounds.



Measurement result:

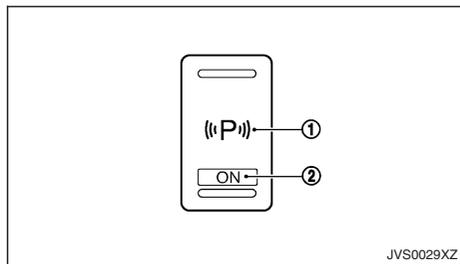
The display indicating the measurement result **(B)** ([OK], [DIFFICULT] or [NOT ADVISED]) will appear in the meter as illustrated.

CAUTION

- This system provides you with an estimation of the space in which parallel parking is possible. Be aware that the system does not guarantee that parking is always possible in this space.
- This system may not be able to measure the parking space correctly between tall vehicles such as trucks.
- When the tyre pressure is not correct, this system may not be able to measure the parking space correctly.
- When replacing a tyre with one other than a genuine NISSAN tyre (the same size as the original tyre), have your vehicle adjusted by a

NISSAN dealer or qualified workshop. If genuine NISSAN tyres are not used, the system cannot guarantee measurement of the parking space.

- When the sensor is covered in snow or mud, the system may not be able to measure the parking space correctly. Always keep your sensor clean.



Setting the level mode:

Depending on your driving level, the modes can be selected from the following:

- Amateur
- Normal
- Expert

To set the mode, perform the following procedure:

1. Push and hold the parking space measurement switch **(1)** for at least 5 seconds. The buzzer then sounds for 5 seconds.
2. Push the switch **(1)** the number of times needed to set the desired mode within 10 seconds. After 10 seconds, the buzzer sounds the number of times previously pushed.

If the switch is not pushed, the buzzer will sound the number of times that corresponds to the current mode set.

The mode can be selected for "Amateur", "Normal", or "Expert" by pushing the switch once to three times while the buzzer sounds as follows:

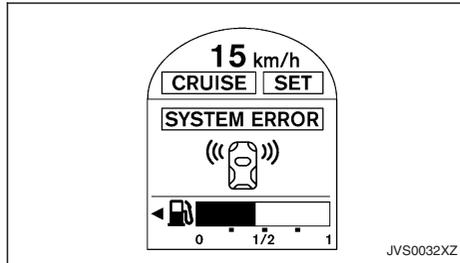
- Push the switch once to select Amateur mode.
- Push the switch two times to select Normal mode.
- Push the switch three times to select Expert mode.

TRAILER TOWING

Each mode indicates the size of space in which parking is possible as follows:

- The Amateur mode indicates the largest parking space.
- The Normal mode indicates the medium parking space.
- The Expert mode indicates the smallest parking space.

System malfunction



If the [SYSTEM ERROR] display appears and/or the ON indicator light on the parking space measurement switch blinks, have the system checked by a NISSAN dealer or qualified workshop.

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

BRAKE SYSTEM

properly and may need servicing. Have the electric power steering system checked by a NISSAN dealer or qualified workshop. (See "Electric power steering warning light" in the "2. Instruments and controls" section.)

When the electric power steering warning light illuminates with the engine running, the power assist for the steering will cease operation. You will still have control of the vehicle. However, greater steering effort is needed, especially in sharp turns and at low speeds.

The brake system has two separate hydraulic circuits. If one circuit malfunctions, you will still have braking ability with 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 and 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.

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 the brakes

Avoid resting your foot on the brake pedal while driving. This will overheat the brakes, wear out the brake linings and pads faster and reduce fuel economy performance.

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 down-

hill gradient. Overheated brakes may reduce braking performance and could result in loss of vehicle control.

CAUTION

While driving on a slippery surface, be careful when braking, accelerating or downshifting. Abrupt braking actions or sudden 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 gradient, it is sometimes difficult to operate the brake (CVT models) or both the brake and clutch (MT models). Use the parking brake to hold the vehicle. Do not slip the clutch (MT models). When ready to start, slowly release the parking brake while depressing the accelerator pedal and releasing the clutch (MT models) or depressing the accelerator pedal (CVT models).

ANTI-LOCK BRAKING SYSTEM (ABS) (where fitted)

Driving downhill

The engine braking action is effective for controlling the vehicle while descending hills.

The gear lever (MT models) should be placed in a gear position low enough to obtain sufficient engine braking.

For the CVT models, the L position should be selected.

BRAKE ASSIST (where fitted)

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 slippery surfaces will be longer than on normal surfaces even with ABS. Stopping distances may also be longer on rough, gravel or snow covered roads, or if you are using tyre chains. Always maintain a safe distance from the vehicle in front of you. Ultimately, the driver is responsible for safety.
- Tyre type and condition may also affect braking effectiveness.
 - When replacing tyres, install the specified size of tyres on all four wheels.
 - When installing a spare tyre, make sure it is the proper size and type as specified on the tyre placard. See “Vehicle identification” in the “9. Technical information” section for the tyre placard location.
 - For detailed information, see “Wheels and tyres” in the “8. Maintenance and do-it-yourself” section.

The Anti-lock Braking System (ABS) controls the brakes so that the wheels do not lock during hard braking or when braking on slippery surfaces. The system detects the rotation speed at each wheel

and varies the brake fluid pressure to prevent each wheel from locking and sliding. By preventing each wheel from locking, the system helps the driver to maintain steering control and helps to minimise swerving and spinning on slippery surfaces.

USING THE 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 increase the stopping distance.

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 or qualified workshop.

VEHICLE SECURITY

NORMAL OPERATION

The ABS will not initiate at speeds below 5 to 10 km/h (3 to 6 MPH). The speeds will vary 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 the actuator under the bonnet when it is operating. This is normal and indicates that the ABS is working properly. However, the pulsation may indicate that road conditions are hazardous and extra care is required while driving.

When leaving your vehicle unoccupied:

- Always remove the key and take it with you – even in your own garage.
- Close all windows completely and lock all doors.
- Always park your vehicle where it can be seen. At night, park in a well lit area.
- If the vehicle is equipped with an alarm or immobilization device, use it – even for short periods.
- Do not leave children and pets in the vehicle unattended.
- Do not leave valuables on view to tempt a thief. Always take your valuables with you. If you must leave something in your vehicle, lock it in the luggage compartment or hide it out of sight.
- Do not leave the vehicle documents in your vehicle. In the unfortunate event of your vehicle being stolen, the documents will only help a thief to sell the vehicle.
- Do not leave articles on a roof rack as they are particularly vulnerable. If possible, remove them from the rack and lock them inside the vehicle.
- Do not leave the spare key in the vehicle – keep it in a safe place at home.

COLD WEATHER DRIVING



WARNING

- **Whatever the conditions, 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 surfaces.**
- **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 (black ice). These may appear on an otherwise clear road in shaded areas. If a patch of ice is seen ahead, brake before driving on it. Try not to brake while actually on the ice and avoid any sudden steering manoeuvres.**
- **Do not use cruise control (where fitted) 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" in the "8. Maintenance and do-it-yourself" section.

ENGINE COOLANT

If the vehicle is to be left outside without anti-freeze, drain the cooling system. Refill before operating the vehicle. For details, see "Engine cooling system" in the "8. Maintenance and do-it-yourself" section.

TYRE EQUIPMENT

- 1) If you have snow tyres 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 tyres.
- 2) If the vehicle is to be operated in severe winter conditions, snow tyres should be installed on all four wheels.
- 3) For additional traction on icy roads, studded tyres may be used. However, some countries, provinces and states prohibit their use. Check applicable laws before installing studded tyres.

Skid and traction capabilities of studded snow tyres on wet or dry surfaces may be poorer than that of non-studded snow tyres.

- 4) Snow chains may be used, if desired. When installing snow chains, make sure they are of proper size for the tyres on your vehicle and are

installed according to the snow chain manufacturer's instructions. (See "Snow chains" in the "8. Maintenance and do-it-yourself" section.)

SPECIAL WINTER EQUIPMENT

It is recommended to carry the following items in the vehicle during 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.
- Extra windscreen washer fluid to refill the reservoir tank.

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 selector lever in the P (Park) position (Continuously Variable Transmission (CVT) models).
- Place the shift lever in the 1 (1st) or R (Reverse) position (Manual Transmission (MT) models).
- Securely block the wheels.

CORROSION PROTECTION

Chemicals used for road surface de-icing 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 wings.

In the winter, the underbody must be cleaned periodically. For additional information, see "Corrosion protection" in the "7. Appearance and care" section.

For additional protection against rust and corrosion, which may be required in some areas, consult a NISSAN dealer or qualified workshop.

NOTE

6 In case of emergency

Flat tyre	6-2	Jump-starting	6-6
Stopping the vehicle	6-2	Push-starting	6-7
Getting the tools and spare wheel.....	6-2	Engine overheat.....	6-7
Blocking the wheels.....	6-3	Tow truck towing	6-8
Removing the wheel	6-3	Towing precautions	6-8
Installing the wheel	6-5	Towing recommended by NISSAN	6-8
Stowing the wheel and tools	6-5		



FLAT TYRE

In case of a flat tyre, follow the instructions as described below:

STOPPING THE VEHICLE



WARNING

- Make sure that the parking brake is securely applied.
- For Manual Transmission (MT) models: Make sure the gear lever is in the R (Reverse) position.

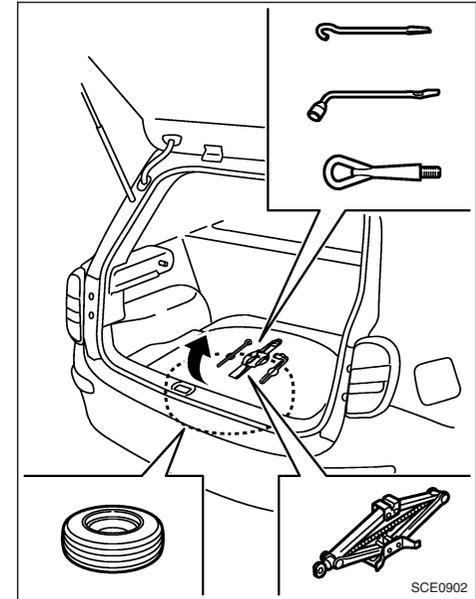
For Continuously Variable Transmission (CVT) models: Make sure that the selector lever is in the P (Park) position.

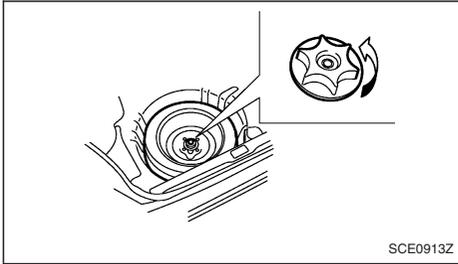
- Never change tyres when the vehicle is on a slope, ice or a slippery area. This is hazardous.
 - Never change tyres if oncoming traffic is close to your vehicle. Wait for professional road assistance.
1. Safely move the vehicle off the road, away from traffic.
 2. Switch on the hazard warning flashers.
 3. Park on a level surface.
 4. Apply the parking brake.
 5. Manual Transmission (MT) models:
Shift the gear lever (MT models) into the R (Reverse) position.

Continuously Variable Transmission:
Move the selector lever to the P (Park) position].

6. Turn off the engine.
7. Open the bonnet and set up the warning triangle (where fitted):
 - Warn other traffic.
 - Signal to professional road assistance that you require assistance.
8. Have all passengers exit the vehicle and stand in a safe place, away from traffic and clear of the vehicle.

GETTING THE TOOLS AND SPARE WHEEL

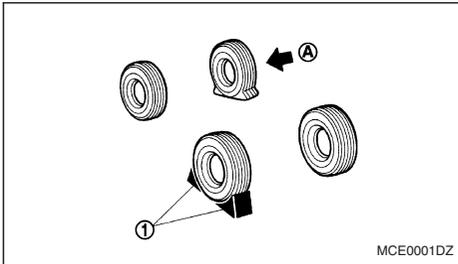




SCE0913Z

Remove the jack, necessary tools, spacers and spare wheel from the luggage compartment.

BLOCKING THE WHEELS



MCE0001DZ

WARNING

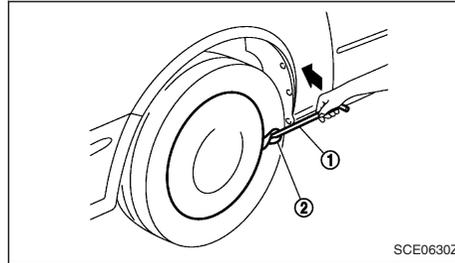
Make sure to block the appropriate wheel to prevent the vehicle from moving, which may cause personal injury.

Place suitable blocks ① in front of and behind the

wheel diagonally opposite the flat tyre ① to prevent the vehicle from moving when it is on the jack.

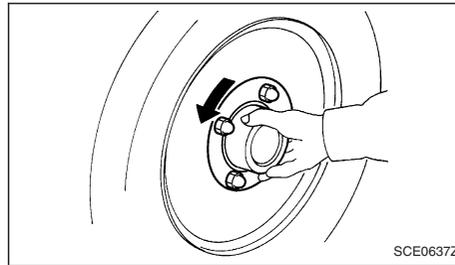
REMOVING THE WHEEL

Removing wheel cover



SCE0630Z

Type A



SCE0637Z

Type B

Type A:

WARNING

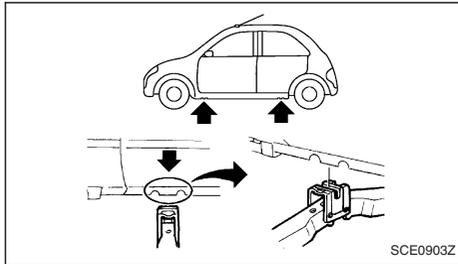
Never use your hands to remove the wheel cover. This may cause personal injury.

To remove the wheel cover, use the jack rod ① as illustrated.

Apply cloth ② between the wheel and jack rod to prevent damaging the wheel and wheel cover.

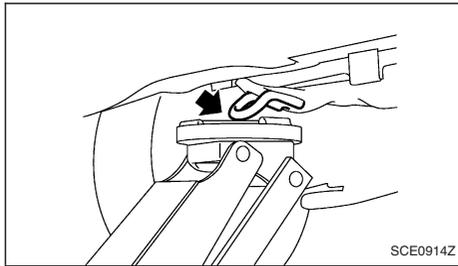
Type B:

Remove the centre wheel cap as illustrated.



Jack-up points

SCE0903Z

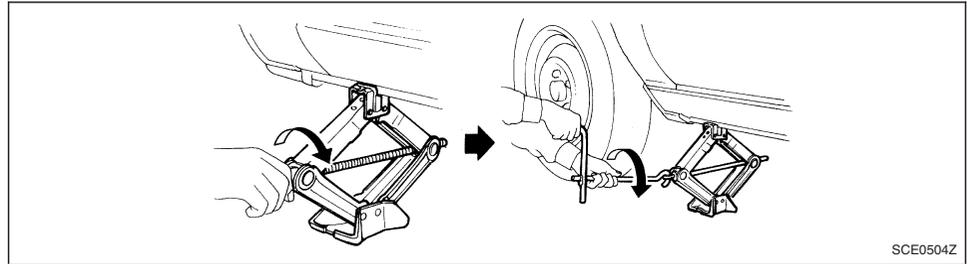


Floor jack-up points

SCE0914Z

Jack-up the vehicle

For the rear, never jack-up the vehicle at a location other than the floor jack-up point that is specified.



SCE0504Z

⚠ WARNING

- Make sure to read and follow the instructions in this section.
- **DO NOT GET UNDER A VEHICLE THAT IS SUPPORTED BY A JACK.**
- Use only the jack that is provided with your vehicle. The jack is designed only for lifting your vehicle during a tyre change.
- Do not use the jack provided with your vehicle on other vehicles.
- Remove all loads before lifting the vehicle with the jack.
- Use the correct jack-up points. Never use any other part of the vehicle for jack support.
- Never lift the vehicle more than necessary.

- Do not start or run the engine while the vehicle is on the jack. The vehicle may move suddenly, and this may cause an accident.
- Never use blocks on or under the jack.
- Never allow passengers to stay in the vehicle while it is on the jack.
- Make sure to read the caution label attached to the jack body before using.

CAUTION

The jack should be used on firm, level ground.

1. Place the jack directly under the jack-up point as illustrated so that the top of the jack contacts the vehicle at the jack-up point.
2. Align the centre of both the jack head and the notches at the jack-up point as shown.
3. Fit the groove of the jack head between the two notches as shown.

- Loosen each wheel nut by one or two turns anticlockwise with the wheel wrench.

Do not remove the wheel nuts until the tyre is off the ground.

- To lift the vehicle, securely hold and turn the handle clockwise as shown.
- Carefully raise the vehicle until the tyre clears the ground.
- Remove the wheel nuts then remove the wheel with the flat tyre.

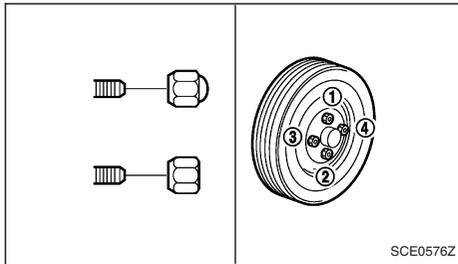
Removing tyre

- Remove the wheel nuts.
- Remove the damaged tyre.

CAUTION

The wheel is heavy. Be sure that your feet are clear of the wheel and use gloves as necessary to avoid injury.

INSTALLING THE WHEEL



WARNING

- Never use wheel nuts other than those 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 T-type spare tyre is designed for emergency use only.

- Clean any mud or dirt from the surface between the wheel and the hub.
- Carefully fit the wheel and tighten the wheel nuts with your fingers. Check that all the wheel nuts contact the wheel surface horizontally.
- With the wheel wrench, tighten the wheel nuts alternately and evenly in the sequence as illustrated (① - ④) until they are tight.
- Lower the vehicle slowly until the tyre touches the ground.
- Tighten the wheel nuts securely using the wheel wrench in the sequence as illustrated.
- Lower the vehicle completely.

As soon as possible, tighten the wheel nuts to the specified torque with a torque wrench.

**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 maintenance interval.

WARNING

Retighten the wheel nuts after the vehicle has been driven for 1,000 km (600 miles) (also in cases of a flat tyre, etc.).

STOWING THE WHEEL AND TOOLS

WARNING

Always make sure that the wheel, jack and tools are properly stored after each use. Such items can become dangerous projectiles in an accident or sudden stop.

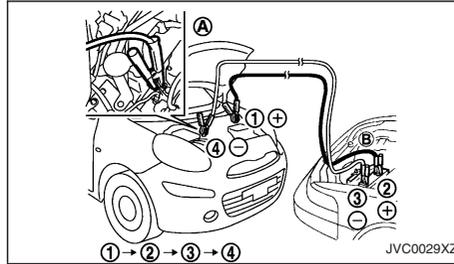
- Securely store the tools, wheel with the flat tyre and jack in the designated location of the luggage compartment.
- Replace the spare tyre cover and the floor cover.
- Close the back door.

JUMP-STARTING



WARNING

- Incorrect jump-starting can lead to a battery explosion. The battery explosion may result in severe injury or death. It may also result in damage to the vehicle. Be sure to follow the instructions in this section.
- Explosive hydrogen gas is always present in the vicinity of the battery. Keep all sparks and flames away from the battery.
- Always wear suitable eye protection glasses and remove rings, bracelets, and any other jewellery whenever working on or near a battery.
- Never lean over the battery while jump-starting.
- Never allow battery fluid to come into contact with eyes, skin, clothes or the vehicle's painted surfaces. Battery fluid is a corrosive sulphuric 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.



1. Prepare vehicle (A) with the booster battery for the vehicle (B) being jump-started.

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.

2. Apply the parking brake.
3. Manual Transmission (MT) models:
Shift the gear lever into the N (Neutral) position.
Continuously Variable Transmission:
Move the selector lever to the P (Park) position].
4. Switch off all unnecessary electrical systems (headlights, hazard lights etc.).

5. Ensure that the ignition switch of the vehicle being jump-started is in the LOCK position.
6. Remove the vent caps (where fitted) on the battery.
7. Cover the battery with a firmly wrung out moist cloth to reduce the hazard of an explosion.
8. Connect the jump leads in the sequence (1) → (2) → (3) → (4) as illustrated.

CAUTION

- Always connect positive (+) to positive (+) and negative (-) to body ground (for example, engine lift bracket, etc.) – not to the battery's negative (-).
 - Be sure that the jumper cables do not touch moving parts in the engine compartment.
 - Be sure that the jumper cables clamps do not contact any other metal.
9. Start the engine of the other vehicle (B) and let it run for a few minutes.
 10. Keep the engine speed at about 2,000 rpm.
 11. Start the engine of your vehicle (A) in the normal way.

For Intelligent Key system equipped models, use the mechanical key to start the engine.

CAUTION

- Do not keep the starter motor engaged for more than 10 seconds. If the engine does

PUSH-STARTING

not start immediately, turn the ignition switch to “OFF” 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 trying again.
12. After starting the engine of your vehicle, carefully disconnect the negative lead and then the positive lead (④ → ③ → ② → ①).
 13. Remove and dispose of the cloth as it may be contaminated with corrosive acid.
 14. Install the vent caps (where fitted).

Do not attempt to start the engine by pushing the vehicle.

CAUTION

- Continuously Variable Transmission (CVT) models cannot be started by pushing the vehicle. Attempting to do so may cause damage to the transmission.
- Three-way catalyst equipped models should not be started by pushing the vehicle as the three-way catalyst may be damaged.
- Never try to start the vehicle by towing it; when the engine starts, the forward surge could cause the vehicle to collide with the tow vehicle.

ENGINE OVERHEAT



WARNING

- Never continue driving if the engine of your vehicle overheats. Doing so could cause a vehicle fire.
- Never open the bonnet if steam is coming out.
- Never remove the radiator cap when the engine is hot. If the radiator cap is removed while the engine is hot, pressurised hot water will spurt out and possibly cause burning, scalding or serious injury.
- If steam or coolant is coming out of the engine, stand clear of the vehicle to prevent getting injured.
- Be careful not to allow your hands, hair, jewellery or clothing to come into contact with, or get caught in, the cooling fan or drive belts. The engine cooling fan will start at any time.

If the engine of your vehicle is overheating (indicated by the engine coolant temperature warning light (red)) or if you feel a lack of engine power, detect an unusual noise, etc., proceed as follows:

1. Move and park the vehicle safely off the road and away from traffic.
2. Turn on the hazard warning flasher lights.
3. Apply the parking brake.
4. Manual Transmission (MT) models:
Shift the gear lever into the N (Neutral) position.

TOW TRUCK TOWING

Continuously Variable Transmission:
Move the selector lever to the P (Park) position].

DO NOT STOP THE ENGINE.

5. Open all windows.
6. Switch off the air conditioner system. Set the heater or air conditioner temperature control to maximum "HOT" and fan speed control to maximum speed.
7. Exit the vehicle.
8. Visually inspect and listen for steam or coolant escaping from the radiator before opening the bonnet. Wait until no steam or coolant can be seen before proceeding.
9. Open the bonnet.
10. Visually check if the cooling fan is running.
11. Visually check the radiator and radiator hoses for leakage.

If coolant is leaking, the cooling fan belt is missing or loose or the cooling fan is not running, stop the engine.
12. After the engine cools down, check the coolant level in the engine coolant reservoir with the engine running. **Do not open the radiator cap.**
13. Add engine coolant to the reservoir, if necessary.

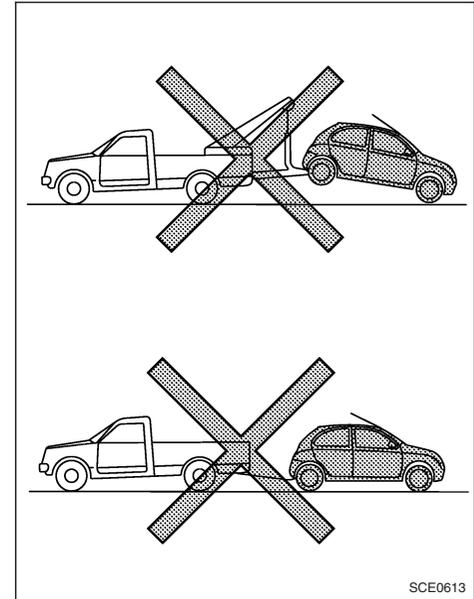
Have your vehicle inspected or repaired by a NISSAN dealer or qualified workshop.

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.

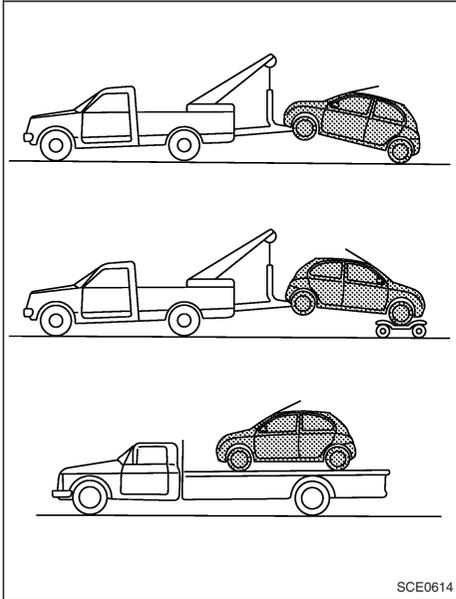
TOWING PRECAUTIONS

- Make sure that the transmission, axles, steering system and power train are in working condition. If any unit is damaged, the vehicle must be towed using a dolly or be placed on a flat bed lorry.
- NISSAN recommends that your vehicle be towed with the driving (front) wheels off the ground.

TOWING RECOMMENDED BY NISSAN



SCE0613



Towing Two-Wheel Drive (2WD) models

NISSAN recommends that towing dollies be used under the front wheels when towing your vehicle or the vehicle be placed on a flatbed tow lorry as illustrated.

Front wheels on the ground:

CAUTION

NEVER tow Continuously Variable Transmission (CVT) models with the front wheels on the ground. Doing so will cause serious and expensive damage to the drivetrain.

Manual Transmission (MT) models:

1. 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:

1. 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.

All four wheels on the ground:

CAUTION

NEVER tow CVT models with all four wheels on the ground. Doing so will cause serious and expensive damage to the drivetrain.

Manual Transmission (MT) models:

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



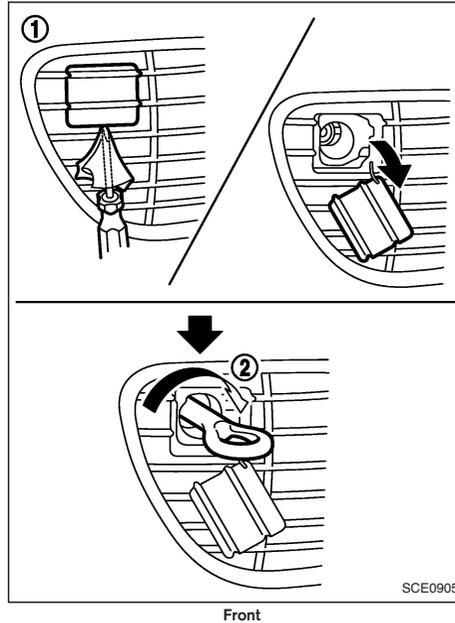
WARNING

- Never allow anyone to stand near the towing line during the pulling operation.
- Never spin the tyres at high speed. This could cause them to explode and result in serious injury. Parts of the vehicle could also overheat and be damaged.
- Do not pull the vehicle using the rear hook. The rear hook is not designed to pull the vehicle out in the event that the vehicle becomes trapped.

In the event that your vehicle's tyres 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. Otherwise, the vehicle body can be damaged.
- Use the recovery hooks to free a vehicle only. Never tow a vehicle using only the recovery hooks.

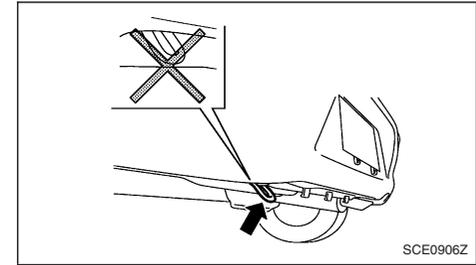
- The recovery hooks are under tremendous stress when used to free a trapped vehicle. Always pull the pulling device straight out from the vehicle. Never pull on the recovery hooks at an angle.



Front:

1. 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:

Do not use the hook to tow the vehicle.

7 Appearance and care

Cleaning exterior.....	7-2	Floor mats	7-4
Washing.....	7-2	Cleaning Glass.....	7-4
Removing spots.....	7-2	Seat belts.....	7-4
Waxing.....	7-2	Corrosion protection.....	7-5
Cleaning glass.....	7-3	Most common factors contributing to vehicle	
Underbody	7-3	corrosion	7-5
Care of wheels	7-3	Environmental factors influence the rate of	
Cleaning alloy wheels	7-3	corrosion	7-5
Chrome parts	7-3	To protect your vehicle from corrosion	7-5
Cleaning interior	7-3		



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 minimise 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, to prevent possible 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 insects get on the paint surface.
 - When dust or mud builds up on the paint surface.
1. Wash the vehicle surface with a wet sponge and plenty of water.
 2. Clean the vehicle surface gently and thoroughly using a mild soap or a special vehicle wash shampoo mixed with clean, lukewarm (never hot) water.

CAUTION

- **Do not wash the vehicle with strong household soap, strong chemical detergents, petrol or solvents.**
- **Do not wash the vehicle in direct sunlight or while the vehicle body is hot, as the paint surface may become water-spotted.**
- **Avoid using tight-napped or rough cloths, such as washing mitts. Care must be taken when removing caked-on dirt or other foreign substances so the paint surface is not scratched or damaged.**

3. Rinse the vehicle thoroughly with plenty of clean water.

4. Use a damp chamois to dry the paint surface to avoid leaving water spots.

When washing the vehicle, take care of the following:

- Inside flanges, joints and folds on the doors, tailgate and bonnet 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.

- If using a high pressure washer always follow the recommendations on the equipment (pressure and spraying distance).
- If there are damaged areas on the vehicle (e.g. painted bumpers or headlamp assembly), it is not recommended to direct the high pressure jet on to them. Carefully wash these areas by hand.
- Avoid the entry of water into the locks.

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 to retain a new vehicle appearance.

After waxing, polishing is recommended to remove built-up residue and to avoid weathered appearance.

A NISSAN dealer or qualified workshop 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.

CLEANING 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, the vehicle's underbody must be cleaned regularly. This will prevent dirt and salt from building up and causing underbody and suspension corrosion.

Before the winter period and again in the spring, the underseal must be checked and, if necessary, re-treated.

CARE OF 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 tyre bead.
- NISSAN recommends that the road wheels be waxed to protect against road salt in areas where it is used during winter.

CLEANING 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 discolour the wheels if it is not washed off regularly.

CAUTION

Follow the directions as described below in order to avoid staining or discolouring of the wheels.

- **Do not use a cleaner that contains strong contents of acid or alkali to clean the wheels.**
- **Do not apply wheel cleaner when the wheels 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 has been 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 vinyl and leather surfaces with a clean, soft cloth dampened in mild soap solution, then wipe clean with a dry, soft cloth.

Regular care and cleaning is required in order to maintain the appearance of the leather.

Before using any fabric protector, read the manufacturer's recommendations. Some fabric protectors contain chemicals that may stain or bleach the seat material.

Use a soft cloth dampened only with water to clean the meter and gauge lens covers.

CAUTION

- **Never use benzene, thinner or any similar material.**
- **Small dirt particles can be abrasive and damaging to leather surfaces and should be removed promptly. Do not use saddle soap, car waxes, polishes, oils cleaning fluids, solvents, detergents or ammonia based cleaners as they may damage the leather's 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.**

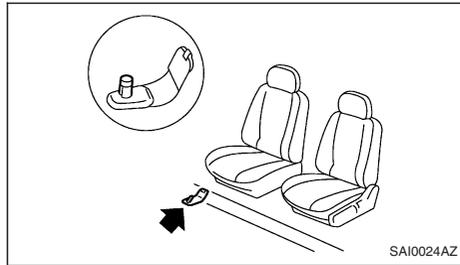
FLOOR MATS

The use of genuine NISSAN floor mats (where fitted) 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.



WARNING

When additional floor mats are used, be sure that they are correctly secured and that they cannot interfere with the accelerator pedal. Mats not adapted to the vehicle may prevent proper operation of the speed limiter.



Floor mat positioning aid (Driver's side)

Note that the above illustration is for RHD models.

This vehicle includes front floor mat brackets to act as a floor mat positioning aid. NISSAN floor mats have been specially designed for your vehicle.

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.

CLEANING 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 elements in the rear windows (such as the window defogger).

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. "Seat belts" in the "1. Safety — seats, seat belts and supplemental restraint system" section

CORROSION PROTECTION

MOST COMMON FACTORS CONTRIBUTING TO VEHICLE CORROSION

- The accumulation of moisture-retaining dirt and debris in body panel sections, cavities, and other areas.
- Damage to the paint surface and other protective coatings caused by gravel and stone chips or minor traffic accidents.

ENVIRONMENTAL FACTORS INFLUENCE THE RATE OF CORROSION

Moisture

Accumulation of sand, dirt and water on the vehicle body underside can accelerate corrosion. Wet floor coverings will not dry completely inside the vehicle, and should be removed for drying to avoid floor panels corrosion.

Relative humidity

Corrosion will be accelerated in areas of high relative humidity, especially those areas where the temperatures stay above freezing, where atmospheric pollution exists and road salt is used.

Temperature

A temperature increase will accelerate the rate of corrosion to those parts which are not well ventilated.

Corrosion will also accelerate 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 will accelerate the corrosion process. Road salt will also accelerate 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 at the bottom of the doors and back door opened 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 de-icing 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 or qualified workshop.

NOTE

7-6 **Appearance and care**

8 Maintenance and do-it-yourself

Maintenance requirements.....	8-2	Wiper blades.....	8-13
Scheduled maintenance.....	8-2	Windscreen wiper blades.....	8-13
General maintenance.....	8-2	Rear window wiper blade (where fitted).....	8-14
Where to go for service.....	8-2	Window washer fluid.....	8-14
General maintenance.....	8-2	Battery.....	8-15
Explanation of general maintenance items.....	8-2	Vehicle battery.....	8-15
Maintenance precautions.....	8-4	Jump-starting.....	8-16
Engine compartment.....	8-5	Integrated keyfob battery.....	8-16
Engine cooling system.....	8-5	Intelligent Key battery.....	8-17
Checking engine coolant level.....	8-5	Fuses.....	8-18
Changing engine coolant.....	8-6	Engine compartment.....	8-18
Engine oil.....	8-6	Passenger compartment.....	8-18
Checking engine oil level.....	8-6	Lights.....	8-19
Changing engine oil and oil filter.....	8-6	Headlights.....	8-19
Protect the environment.....	8-9	Exterior lights.....	8-20
Drive belts.....	8-9	Interior lights.....	8-20
Spark plugs.....	8-9	Light locations.....	8-21
Iridium-tipped spark plugs (where fitted).....	8-9	Wheels and tyres.....	8-25
Nickel-tipped spark plugs (where fitted).....	8-10	Tyre inflation pressure.....	8-25
Brakes.....	8-10	Types of tyres.....	8-25
Checking parking brake.....	8-10	Snow chains.....	8-26
Checking brake pedal.....	8-10	Tyre rotation.....	8-26
Brake booster.....	8-11	Tyre wear and damage.....	8-26
Brake fluid.....	8-11	Tyre age.....	8-27
Clutch fluid (where fitted).....	8-12	Changing tyres and wheels.....	8-27
Continuously Variable Transmission (CVT) fluid (where fitted).....	8-13	Wheel balance.....	8-27
Air cleaner filter.....	8-13	Spare tyre.....	8-27

MAINTENANCE REQUIREMENTS

Your new NISSAN has been designed to have minimum maintenance requirements with longer service intervals, to save you both time and money. However, some day-to-day and regular maintenance is essential to maintain your NISSAN'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 the separate Warranty Information and Maintenance booklet. You must refer to that booklet to ensure that necessary maintenance is performed on your NISSAN vehicle at regular intervals.

GENERAL MAINTENANCE

General maintenance includes those items which should be checked during normal day-to-day operation of the vehicle. They are essential if your vehicle is to continue to operate properly. It is your responsibility to perform these procedures regularly as prescribed.

Performing general maintenance checks requires minimal mechanical skill and a few general automotive tools.

These checks or inspections can be done by yourself, a qualified technician or, if you prefer, your NISSAN dealer or qualified workshop.

WHERE TO GO FOR SERVICE

If maintenance service is required or your vehicle appears to malfunction, have the systems checked and tuned by an authorised NISSAN dealer or qualified workshop.

GENERAL MAINTENANCE

During the 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 smell, be sure to check for the cause or have a NISSAN dealer or qualified workshop do it promptly. In addition, you should notify a NISSAN dealer or qualified workshop if repairs are required.

When performing any checks or maintenance work, closely observe the "Maintenance precautions" later in this section.

EXPLANATION OF GENERAL MAINTENANCE ITEMS

Additional information on the following items with an asterisk (*) is found later in this section.

The maintenance items listed here should be performed from time to time, unless otherwise specified.

Outside the vehicle

Back door, doors and bonnet:

Check that the back door, all doors and the bonnet operate properly. Also ensure that all latches lock securely. Lubricate hinges and latches if necessary. Make sure that the secondary latch keeps the bonnet from opening when the primary latch is released.

When driving in areas using road salt or other corrosive materials, check for lubrication frequently.

Lights*:

Clean the headlights on a regular basis. Make sure that the headlights, stop lights, tail lights, turn signal lights, and other lights are all operating properly and installed securely. Also check headlight aim.

Tyres*:

Check the pressure with a gauge periodically or always prior to long distance trips. If necessary, adjust the pressure in all tyres, including the spare, to the specified pressure. Check carefully for damage, cuts or excessive wear.

Tyre rotation*:

Tyres should be rotated at least every 10,000 km (6,000 miles). However, the timing for tyre rotation may vary according to your driving habits and road surface conditions.

Wheel alignment and balance:

If the vehicle pull to either side while driving on a straight and level road, or if you detect uneven or abnormal tyre 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.

Windscreen:

Clean the windscreen on a regular basis. Check the windscreen at least every six months for cracks or other damage. Have a damaged windscreen repaired by a qualified repair facility.

Wiper blades*:

Check for cracks or wear if they do not wipe properly.

Inside the 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 has the proper distance of travel when depressed fully. Check the brake booster function. Keep the floor mat away from the pedal.

Parking brake*:

Check that the lever has the proper distance of travel.

Seat belts:

Check that all parts of the seat belt system (e.g. 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 any change in the steering conditions, such as excessive free play, hard steering or strange noises.

Warning lights and audible reminders:

Make sure that all warning/indicator lights and audible reminders are operating properly.

Windscreen defogger:

Check that the air comes out of the defogger outlets properly when operating the heater or air conditioner.

Windscreen wiper and washer*:

Check that the wipers and washer operate properly and that the wipers do not streak.

Under the bonnet and vehicle

The maintenance items listed here should be checked periodically, e.g. each time you check the engine oil or refuel.

Battery*:

Check the fluid level in each cell. It should be between the upper and lower levels. Vehicles operated in high temperatures or under severe conditions, check the fluid level frequently.

Brake and clutch fluid level*:

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.

Engine drive belts*:

Make sure that the drive belts are not frayed, worn, cracked or oily.

Engine oil level*:

Check the level after parking the vehicle on a level surface 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 petrol fumes are evident, check for the cause and have it corrected immediately.

Window washer fluid*:

Check that there is adequate fluid in the tank.

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.

- **Park the vehicle on a level surface, apply the parking brake securely and block the wheels to prevent the vehicle from moving. For a manual transmission models, move the gear lever to N (Neutral) position. [For continuously variable transmission models, move the selector lever to P (Park) position.]**
- **Be sure to turn the ignition switch to the "OFF" or LOCK position when performing any parts replacement or repairs.**
- **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.

- **Do not work under the engine bonnet 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 remove ties and any jewelry, such as rings, watches, etc. before working on your vehicle.**
- **If you must run the engine in an enclosed space such as a garage, be sure there is proper ventilation for exhaust gases.**
- **Do not get under a vehicle that is supported only by a jack: Use vehicle support stands.**
- **Keep smoking materials, flame and sparks away from fuel and battery.**
- **Never connect or disconnect either the battery or any transistorised component connector while the ignition switch is in the ON position.**
- **On petrol engine models with the multiport fuel injection (MFI) system, the fuel filter or fuel lines should be serviced by a NISSAN**

dealer or qualified workshop because the fuel lines are under high pressure even when the engine is off.

- **Never leave the engine or transmission related component harness connector disconnected while the ignition switch is in the ON position.**
- **Always wear eye protection whenever you work on your vehicle.**
- **Failure to follow these or other common sense guidelines may lead to serious injury or vehicle damage.**



NISSAN GREEN PROGRAM

Improperly disposed engine oil and/or other vehicle fluids can pollute the environment. Always conform to local regulations for disposal of vehicle fluid.

This section gives instructions regarding only those items which are relatively easy for an owner 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 your NISSAN dealer or qualified workshop.**

ENGINE COMPARTMENT

For an overview of the engine compartment, see "Engine compartment" in the "0. Illustrated table of contents" section.

ENGINE COOLING SYSTEM



WARNING

- Never remove the engine coolant reservoir cap when the engine is hot. Serious burns could be caused by high pressure fluid escaping from the engine coolant reservoir. Wait until the engine and radiator have cooled 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 and extended life engine coolant. The high quality engine coolant contains the specific solutions effective for the anti-corrosion and the anti-freeze function. Therefore, additional cooling system additives are not necessary.

CAUTION

When adding or replacing engine coolant, be sure to use Genuine NISSAN engine coolant or equivalent.

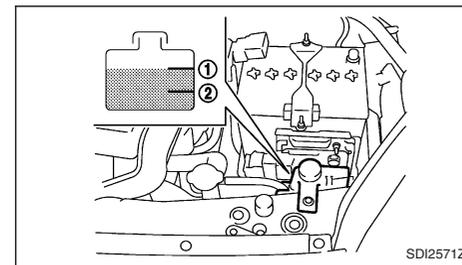
Outside temperature down to		Composition	
°C	°F	Engine coolant	Demineralised or distilled water
-15	5	30%	70%
-35	-30	50%	50%

Use Genuine NISSAN Engine Coolant or equivalent in its quality. Genuine NISSAN Engine Coolant is a pre-mixed (mixture ratio 50%) type coolant.

The use of other types of coolant solutions may damage the engine cooling system.

The radiator is equipped with a pressure cap. To prevent engine damage, use only a Genuine NISSAN radiator cap or its equivalent when replacement is required.

CHECKING ENGINE COOLANT LEVEL



Check the coolant level in the reservoir when the engine is cold. If the coolant level is below 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 opening and also add it to the reservoir up to the MAX level (1).

CAUTION

If the cooling system frequently requires coolant, have it checked by a NISSAN dealer or qualified workshop.

ENGINE OIL

CHANGING ENGINE COOLANT

Major cooling system repairs should be performed by a NISSAN dealer or qualified workshop. The service procedures can be found in the appropriate NISSAN Service Manual.

When checking or replacement is required, NISSAN recommends contacting a NISSAN dealer or qualified workshop for servicing.

Improper servicing or engine coolant change can result in reduced heater performance and engine overheating.



WARNING

- To avoid the danger of 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 and plenty of water as soon as possible.
- Keep coolant out of reach of children and pets.



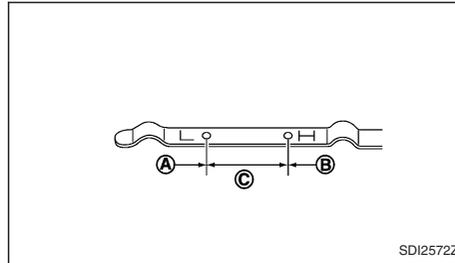
NISSAN GREEN PROGRAM

Engine coolant must be disposed of properly. Check your local regulations.

CHECKING ENGINE OIL LEVEL

CAUTION

The oil level should be checked regularly. Operating with an insufficient amount of oil can damage the engine, and such damage is not covered by warranty.



- Ⓐ MIN level
- Ⓑ MAX level
- Ⓒ Normal range

1. Park the vehicle on a level surface and apply the parking brake.
2. Start the engine. If the engine is cold, start and let the engine idle until it reaches the operational temperature (approximately 5 minutes).
3. Turn the engine off.
4. Wait at least 10 minutes for the engine oil to drain back into the oil pan.
5. Remove the dipstick and wipe it clean.

6. Reinsert it all the way.
 7. Remove the dipstick again and check the oil level. It should be in the normal range Ⓒ.
 8. If the oil level is below L Ⓐ, remove the engine oil filler cap and pour the recommended oil through the opening. **Do not overfill** Ⓑ.
- When filling the engine oil, do not remove the dipstick.**
9. Recheck the oil level with the dipstick.

It is normal to add some engine oil between oil maintenance intervals depending on the severity of operating conditions or depending on the property of the engine oil used. More engine oil is consumed by frequent acceleration/deceleration especially when the engine rpm is high. Consumption is likely to be higher when the engine is new. If the rate of oil consumption, after having driven for 5,000 km (3,000 miles), is more than 0.5 litre per 1,000 km (621 miles), consult a NISSAN dealer or qualified workshop.

CHANGING ENGINE OIL AND OIL FILTER



WARNING



NISSAN GREEN PROGRAM

Used oil must not be poured into the ground, canals, rivers, etc. It should be disposed of at a rubbish tip having proper facilities.

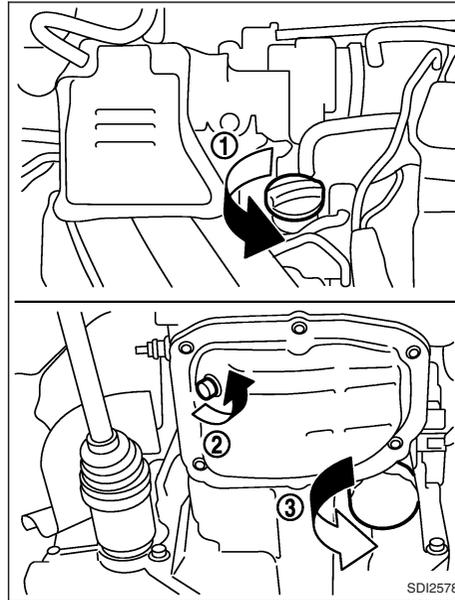
NISSAN recommends contacting a NISSAN dealer or qualified workshop for engine oil servicing.

Be careful not to burn yourself, as the engine oil is hot.

Prolonged and repeated contact with used engine oil may cause skin cancer.

Avoid direct skin contact with used oil. If skin contact is made, 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.



HR12DE engine model

- ① Oil filler cap
- ② Oil drain plug
- ③ Oil filter

Engine oil replacement

1. Park the vehicle on a level surface and apply the parking brake.
2. Start the engine. If the engine is cold, start and let the engine idle until the engine temperature reaches the operational temperature (approximately 5 minutes).
3. Turn the engine off.
4. Wait at least 10 minutes to let the engine oil drain back into the oil pan.
5. Place a large drain pan under the drain plug.
6. Remove the drain plug with a wrench.
7. Remove the oil filler cap and completely drain the oil.

If the engine oil filter needs to be changed, remove and replace it at this time. See "Changing engine oil filter" later in this section.

8. Clean and re-install the drain plug along with a new washer. Securely tighten the drain plug with a wrench. **Do not use excessive force.**

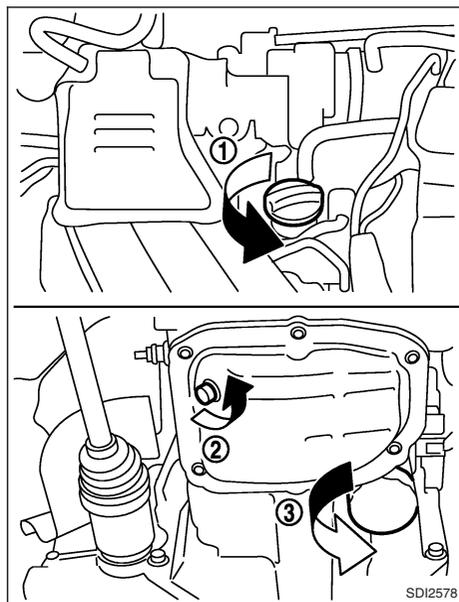
Drain plug tightening torques:

29 to 39 N•m (3.0 to 4.0 kg-m, 22 to 29 ft-lb)

9. Refill the engine with recommended engine oil and quantity. (See "Capacities and recommended fuel/lubricants" in the "9. Technical information" section.)

When filling the engine oil, do not remove the dipstick.

10. Install the engine oil filler cap securely.
11. Start the engine.
12. Check for any leakage around the drain plug. Correct as required.
13. Check the oil level with the dipstick. For details, see "Checking engine oil level" earlier in this section.



HR12DE engine model

- ① Oil filler cap
- ② Oil drain plug
- ③ Oil filter

Changing engine oil filter

1. Park the vehicle on a level surface and apply the parking brake.
2. Turn the engine off.
3. Drain the engine oil according to the proper procedure. (See "Changing engine oil and oil filter" earlier in this section.)

4. Loosen the engine oil filter with an oil filter wrench.

Depending on the engine model, a special cap type wrench may be required. See a NISSAN dealer or qualified workshop for more information.

5. Remove the engine 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.

8. 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 14 ft-lb)

9. Refill the engine oil. (See "Engine oil replacement" earlier in this section.)

10. Start the engine and check for leakage around the oil filter. Correct as required.
11. Turn the engine off and wait several minutes.
12. Check the engine oil level according to the proper procedure. (See "Checking engine oil level" earlier in this section.)

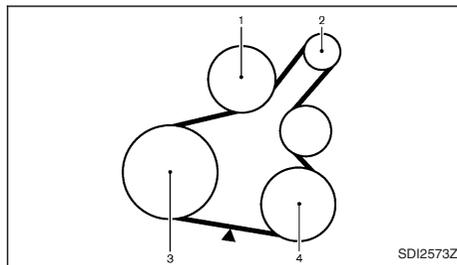
PROTECT THE ENVIRONMENT

NISSAN GREEN PROGRAM

It is illegal to pollute drains, water courses and soil. Use authorised waste collection facilities, including civic amenity sites and garages providing facilities for the disposal of used oil and used oil filters. If in doubt, contact your local authority for advice on disposal.

The regulations concerning the pollution of the environment will vary from country to country.

DRIVE BELTS



1. Water pump
 2. Alternator
 3. Crankshaft pulley
 4. Air conditioner compressor
- ▼ Tension checking point

WARNING

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 or qualified workshop.

SPARK PLUGS

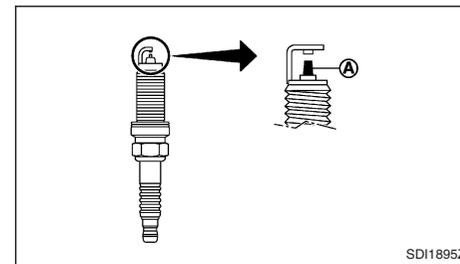
WARNING

Be sure the engine and ignition switch are off and that the parking brake is applied.

Replace spark plugs according to the maintenance schedule. For details, see the separately provided Warranty Information & Maintenance Booklet.

If replacement is required, contact a NISSAN dealer or qualified workshop.

IRIDIUM-TIPPED SPARK PLUGS (where fitted)



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.

BRAKES

- Always replace with the recommended iridium-tipped spark plugs.

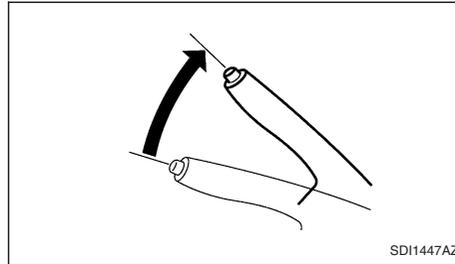
NICKEL-TIPPED SPARK PLUGS (where fitted)

It is not necessary to replace the nickel-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 nickel-tipped spark plugs by cleaning or re-gapping.
- Always replace with the recommended nickel-tipped spark plugs.

CHECKING PARKING BRAKE



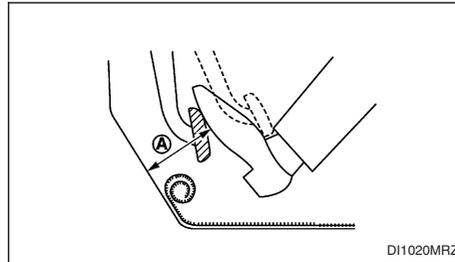
Lever type

From the released position, pull the handbrake lever up slowly and firmly. If the number of clicks is out of the listed range, see a NISSAN dealer or qualified workshop.

8 to 9 clicks

Pulling force 196 N (20 kg, 44 lb)

CHECKING BRAKE PEDAL



WARNING

See a NISSAN dealer or qualified workshop for a brake system check if the 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 listed range, see a NISSAN dealer or qualified workshop.

(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 disc-type brakes self-adjust every time the brake pedal is applied.

Brake pad wear warning

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 scraping sound will occur whether or not the 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.

Under some driving or climate conditions, occa-

sional 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.

The rear drum brakes do not have audible wear indicators. Should you ever hear an unusually loud noise from the rear drum brakes, have them checked as soon as possible by a NISSAN dealer or qualified workshop.

Proper brake inspection intervals should be followed. For additional information, see a separate maintenance booklet.

BRAKE BOOSTER

Check the brake booster function with following steps:

1. With the engine off, depress the brake pedal several times to make sure that the pedal travel distance does not change.
2. While depressing the brake pedal, start the engine. The pedal height should drop a little.
3. With the 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 brake pedal, then turn it off. Depress the 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 or qualified workshop.

BRAKE FLUID

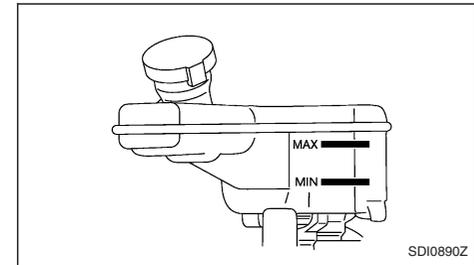


WARNING

- 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 comes on. Add fluid up to the MAX line. See "Ca-

CLUTCH FLUID (where fitted)

capacities and recommended fuel/lubricants" in the "9. Technical information" section for the recommended fluid type.

If the brake fluid must be added frequently, the brake system should be thoroughly checked by a NISSAN dealer or qualified workshop.

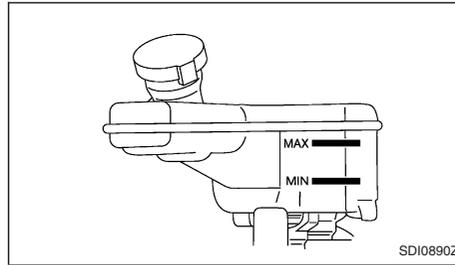


WARNING

- 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 "Capacities and recommended fuel/lubricants" in the "9. Technical information" section for the recommended fluid type.

If the fluid must be added frequently, the clutch system should be thoroughly checked by a NISSAN dealer or qualified workshop.

CONTINUOUSLY VARIABLE TRANSMISSION (CVT) FLUID (where fitted)

When checking or replacement is required, NISSAN recommends contacting a NISSAN dealer or qualified workshop for servicing.

CAUTION

- Use only Genuine NISSAN CVT Fluid NS2. Do not mix with other fluids.
- Using transmission fluid other than Genuine NISSAN CVT Fluid NS2 will damage the CVT transmission, which is not covered by the warranty.

AIR CLEANER FILTER



WARNING

- Operating the engine without the air cleaner filter, 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.
- Do not drive without the air cleaner filter.
- Be careful when working on the engine without the air cleaner filter.

The viscous paper type filter element should not be cleaned and reused.

The dry paper type filter element may be cleaned and reused.

Replace it according to the maintenance schedule shown in the separately provided Warranty Information & Maintenance Booklet.

Contact a NISSAN dealer or qualified workshop if maintenance or replacement is required.

WIPER BLADES

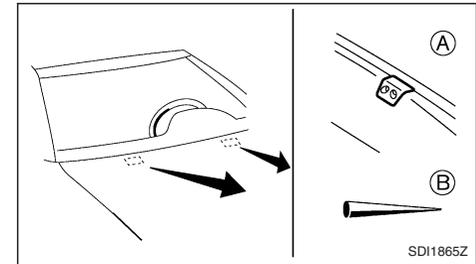
WINDSCREEN WIPER BLADES

Cleaning

If the windscreen is not clear after using the window washer or if a wiper blade chatters when running, wax or other material may be on the blade or windscreen.

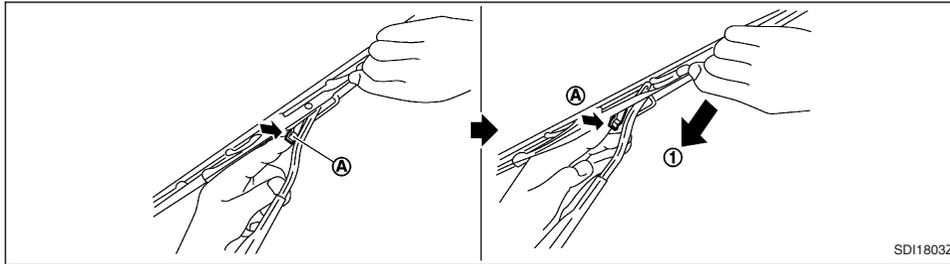
Clean the outside of the windscreen or back door window with a washer solution or a mild detergent. The windscreen is clean if beads do not form when rinsing with water.

Clean the blade by wiping it with a cloth soaked in a washer solution or a mild detergent. Then rinse the blade with clear water. If the windscreen is still not clear after cleaning the blades and using the wiper, replace the blades.



Be careful not to clog the washer nozzle (A). This may cause improper windscreen washer operation. If the nozzle is clogged, remove any objects with a needle or small pin (B). Be careful not to damage the nozzle.

WINDOW WASHER FLUID



Replacing:

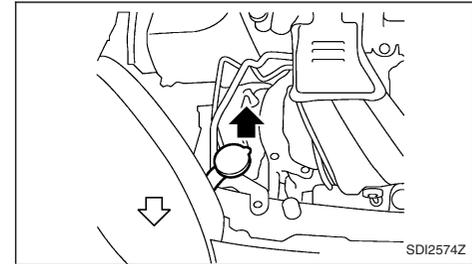
1. Lift the wiper arm and away from the windscreen.
2. Push and hold the release tab (A), then move the wiper blade downwards the wiper arm to remove ①.
3. Remove the wiper blade.
4. Insert the new wiper blade onto the wiper arm until it clicks into place.
5. Return the wiper arm to its original position.

CAUTION

- After wiper blade replacement, return the wiper arm to its original position. Otherwise it may be damaged when the bonnet is opened.
- Worn windscreen wiper blades can damage the windscreen and impair driver's vision.

REAR WINDOW WIPER BLADE (where fitted)

Contact a NISSAN dealer or qualified workshop if checking or replacement is required.



WARNING

Window washer 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 fluid up to the MAX level.

Add a washer solvent to the water for better cleaning. In the winter season, add a window washer anti-freeze. Follow the manufacturer's instructions for the mixture ratio.

BATTERY

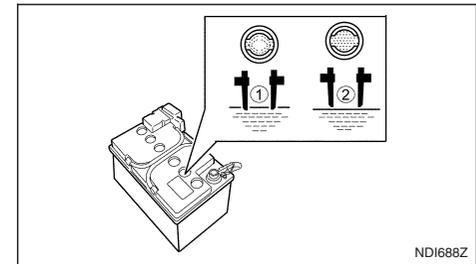
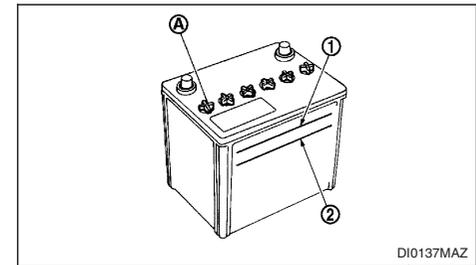
Caution symbols for battery		⚠ WARNING	
①		No smoking No exposed flames No sparks	Never smoke around the battery. Never expose the battery to open flames or electrical sparks.
②		Shield eyes	Handle the battery cautiously. Always wear eye protection glasses to protect against explosion or battery acid.
③		Keep away from children	Never allow children to handle the battery. Keep the battery out of reach of children.
④		Battery acid	Do not allow battery fluid to contact your skin, eyes, fabrics, or painted surfaces. After handling the battery or battery cap, immediately wash your hands thoroughly. If the battery fluid gets into your eyes, or onto your skin or clothing, flush with water immediately for at least 15 minutes and seek medical attention. Battery fluid is acid. If the battery fluid gets into your eyes or onto your skin, it could cause eyesight loss 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.

VEHICLE BATTERY



WARNING

Do not operate the vehicle if the fluid in the battery is low. Low battery fluid can cause a higher load on the battery which can generate heat, reduce battery life, and in some cases lead to an explosion.



Indicator

① OK

② ADD

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 distilled water to bring the level to the indicator in each filler opening. **Do not overfill.**

1. Remove the cell plugs (A) (where fitted).
 2. Add demineralised/distilled water up to the UPPER level line (①).
 3. Replace and tighten cell plugs.
- Vehicles operated in high temperatures or under severe conditions require frequent checks of 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 used for 30 days or longer, disconnect the “-” negative battery terminal cable to prevent discharge.

JUMP-STARTING

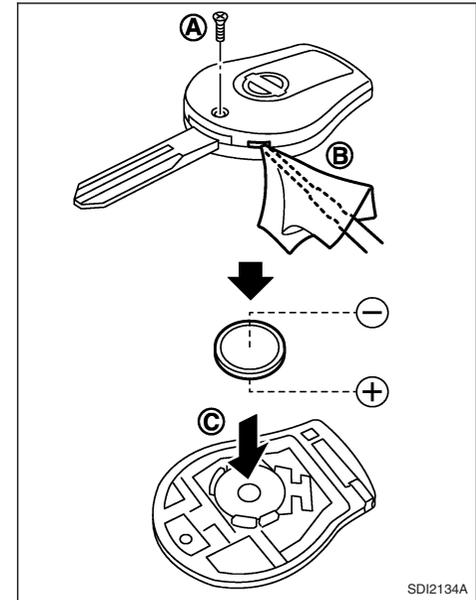
If jump-starting is necessary, see “Jump-starting” in the “6. In case of emergency” section. If the engine does not start by jump starting, the battery may have to be replaced. Contact a NISSAN dealer or qualified workshop.

INTEGRATED KEYFOB 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).
2. 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.

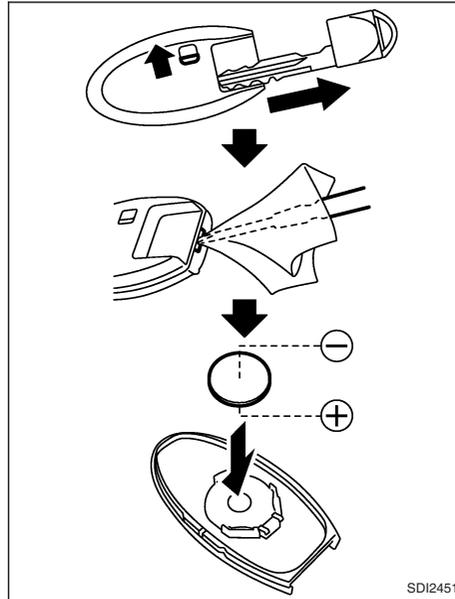
See a NISSAN dealer or qualified workshop if you need assistance for replacement.

INTELLIGENT KEY BATTERY

Battery replacement

CAUTION

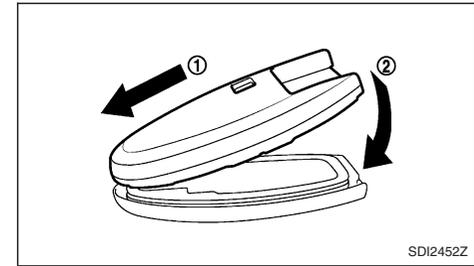
- Be careful not to allow children to swallow the battery and removed parts.
- An improperly disposed battery can harm the environment. Always confirm local regulations for battery disposal.
- When changing batteries, do not let dust or oil get on the components.
- There is danger of explosion if lithium battery is incorrectly replaced. Replace only with the same or equivalent type.



To replace the battery:

1. 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.

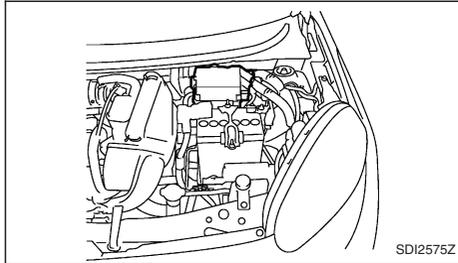
- Recommended battery: CR2025 or equivalent
- Do not touch the internal circuit and electric terminals as doing so could cause a malfunction.
- Make sure that the ⊕ side faces the bottom of the case.



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 or qualified workshop if you need assistance for replacement.

FUSES

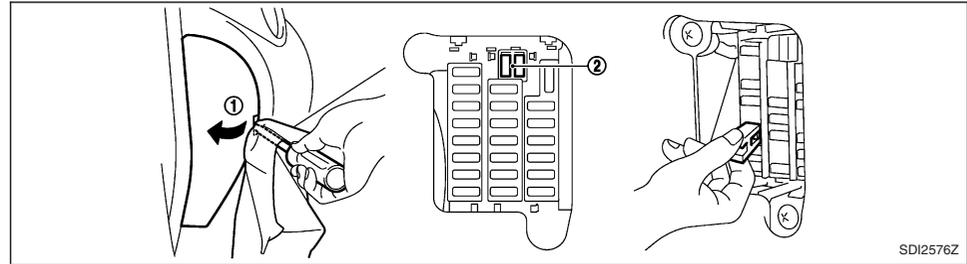
ENGINE COMPARTMENT



For checking and/or replacing, see a NISSAN dealer or qualified workshop.

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.



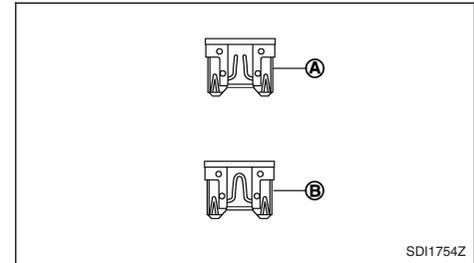
PASSENGER COMPARTMENT

CAUTION

Never use a fuse of a higher or lower amperage rating than that specified on the fuse box cover. This could damage the electrical system or cause a fire.

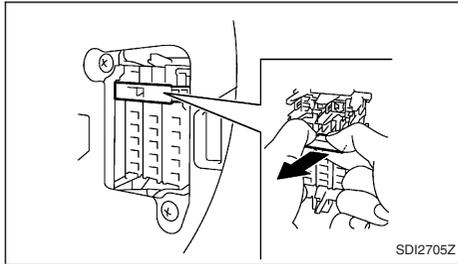
If any electrical equipment does not operate, check for an open fuse.

1. Be sure the ignition switch 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 or qualified workshop.



Extended storage switch (where fitted)

If any electrical equipment does not operate, remove the extended storage switch and check for an open fuse.

NOTE

The extended storage switch is used for long term vehicle storage. If the extended storage switch is broken, it is not necessary to replace it. Remove the fuse from the switch then replace only the fuse to the fuse box.

How to remove the extended storage switch:

1. To remove the extended storage 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 switch and pull it in the direction as illustrated.

LIGHTS

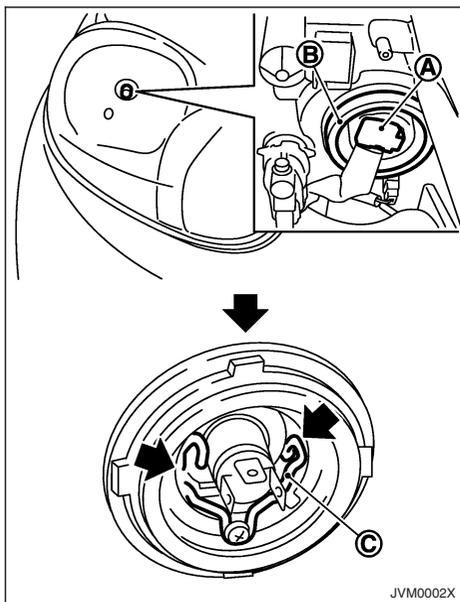
HEADLIGHTS

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.



1. 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 it.
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:
- Halogen headlight model
 - 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 or qualified workshop.

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 or qualified workshop.

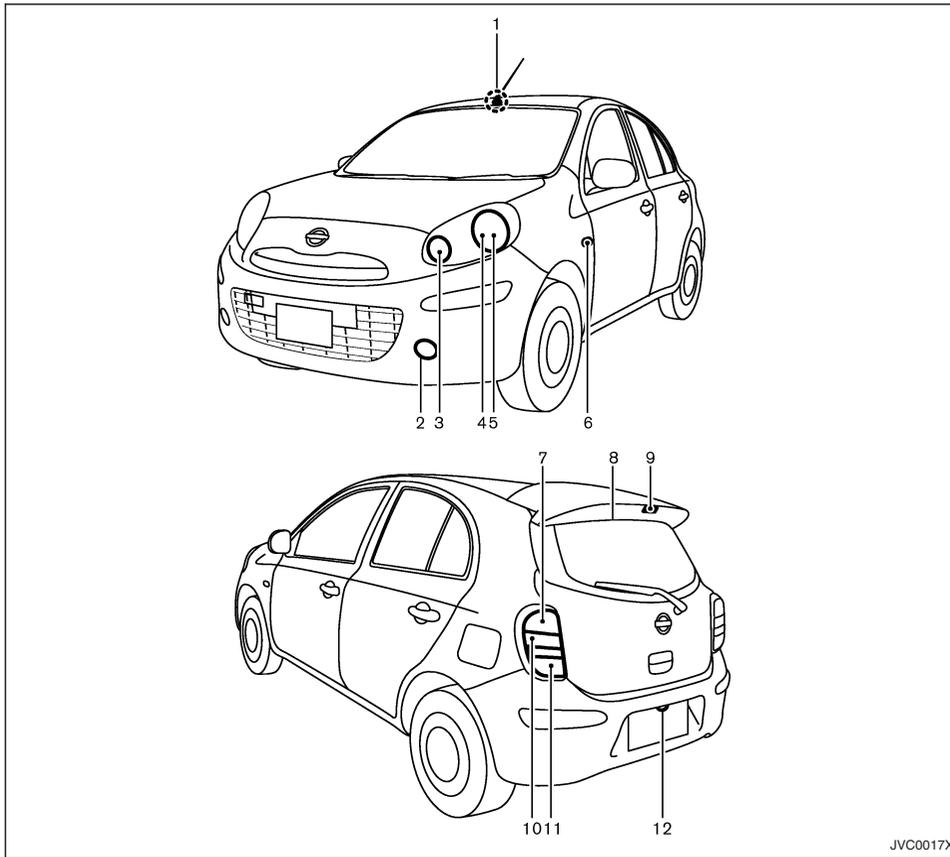
EXTERIOR LIGHTS

Item	Wattage (W)
Front turn signal light	21
Front side light	5
Front fog light (where fitted)	35
Side turn signal light	5
Rear combination light	
Turn signal	21
Stop/Tail light	21/5
Reverse light	21
Rear fog light	21
High-mounted stop light	LED* or 16
Number plate light	5

*: Contact a NISSAN dealer or qualified workshop.

INTERIOR LIGHTS

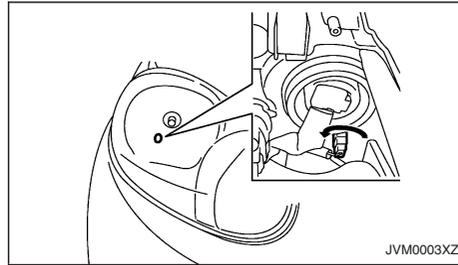
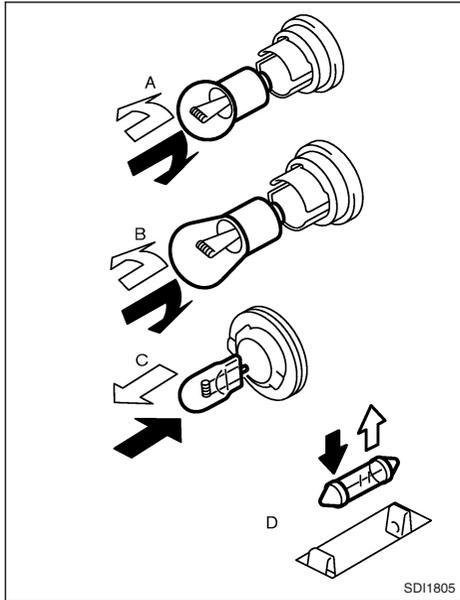
Item	Wattage (W)
Room light	5
Boot light	5



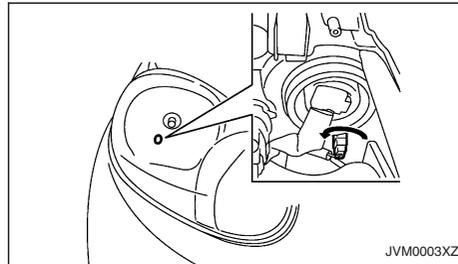
LIGHT LOCATIONS

1. Interior light
2. Front fog light (where fitted)
3. Front turn signal light
4. Front side light
5. Headlight
6. Side turn signal light
7. Stop/tail light
8. High-mounted stop light (Models without rear spoiler)
9. High-mounted stop light (Models with rear spoiler)
10. Rear turn signal light
11. Reverse light or Rear fog light*
12. Number plate light

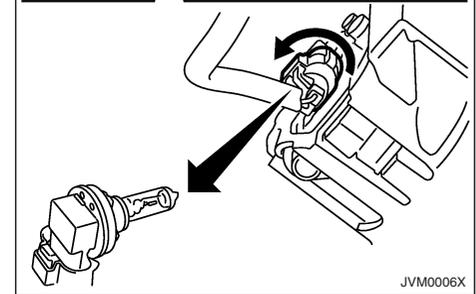
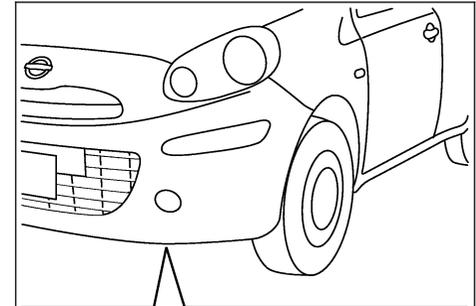
*: For the Left-Hand Drive (LHD) models. On the Right-Hand Drive (RHD) models, the rear fog light is located on the opposite side.



Front side light



Front turn signal light



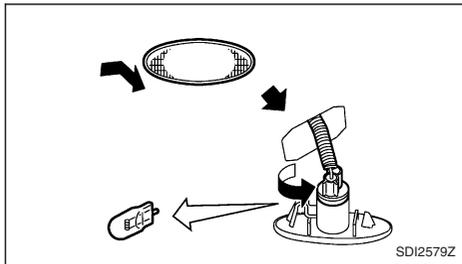
Front fog light (where fitted)

⇨ REMOVE

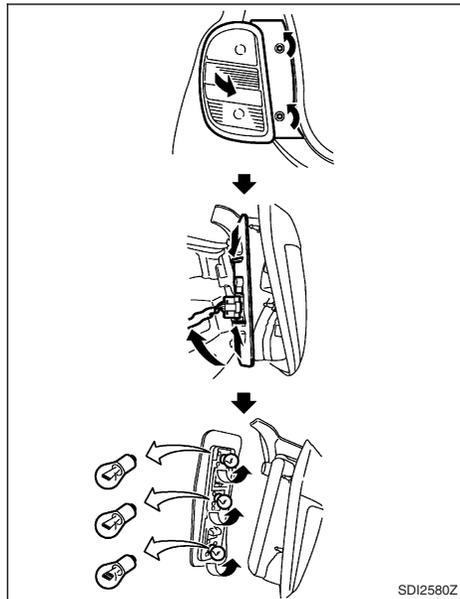
➔ INSTALL

Replacement procedures

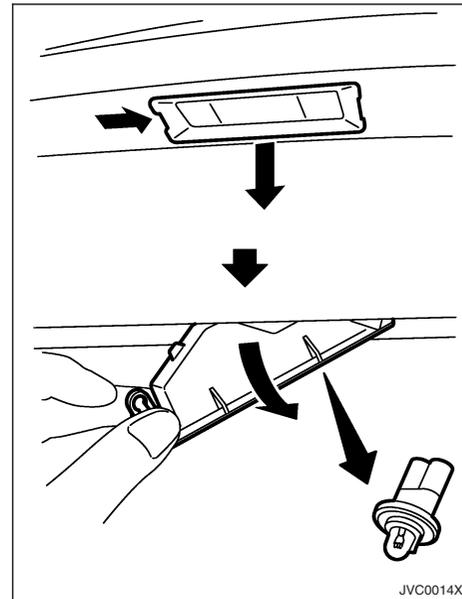
All other lights are either type A, B, C or D. When replacing a bulb, first remove the lens and/or cover.



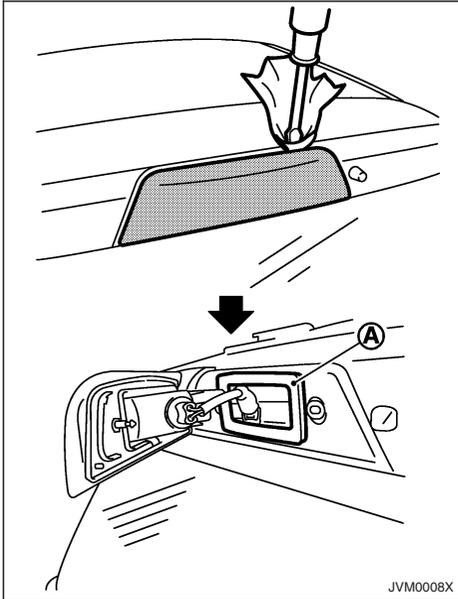
Side turn signal light



Rear combination light

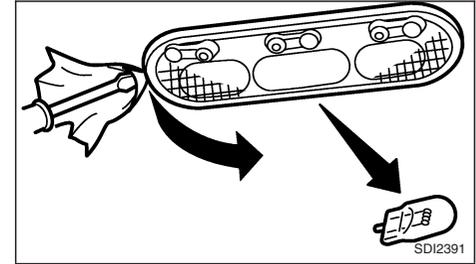


Number plate light



High-mounted stop light (model with rear spoiler)

2. Remove the bulb socket and then replace the bulb.
3. Replace the packing (A).
4. Install in the reverse order of removal.



Room light

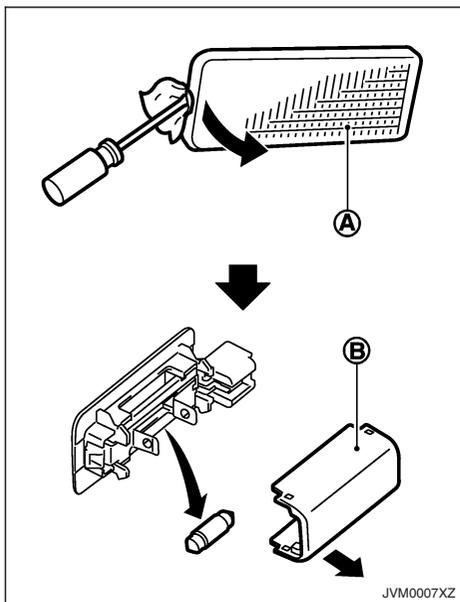
CAUTION

Do not reuse the packing on the back of the high-mounted stop light. When installing, the packing must be replaced with a new one.

To replace the high-mounted stop light bulb:

1. Remove the light with a suitable tool.

WHEELS AND TYRES



Boot light

To replace the boot light bulb:

1. Remove the light (A) with a suitable tool.
2. Remove the cover (B).
3. Replace the bulb.

In case of a flat tyre, see “Flat tyre” in the “6. In case of emergency” section.

TYRE INFLATION PRESSURE

Periodically check the tyre pressure (including the spare tyre). An incorrect tyre pressure may adversely affect tyre life and vehicle handling.

NOTE

Incorrectly inflated tyres can also lead to poor steering ability and make the driver suspect a steering problem: keep the vehicle’s tyres inflated to the correct pressure at all times.

The tyre pressure should be checked when tyres are COLD. Tyres are considered COLD after the vehicle has been parked for three or more hours, or driven less than 1.6 km (1 mile). COLD tyre pressures are shown on the tyre placard affixed to the driver’s side centre pillar.

Insufficient pressure can lead to an overheating of the tyre and subsequent internal damage. At high speeds, this could result in tread separation and even bursting of the tyre.

TYPES OF TYRES

CAUTION

- **When changing or replacing tyres, be sure all four tyres are of the same type (i.e., summer, all season or snow) and construction.**
- **A NISSAN dealer or qualified workshop may be able to help you with information about tyre type, size, speed rating and availability.**

Replacement tyres may have a lower speed rating than the factory equipped tyres, and may not match the potential maximum vehicle speed. Never exceed the maximum speed rating of the tyre.

All season tyres

NISSAN specifies all season tyres on some models to provide good performance for use all year around, including snowy and icy road conditions. All season tyres are identified by ALL SEASON and/or M&S on the tyre sidewall. Snow tyres have better snow traction than all season tyres and may be more appropriate in some areas.

Summer tyres

NISSAN specifies summer tyres on some models to provide superior performance on dry roads. Summer tyre performance is substantially reduced in snow and ice. Summer tyres do not have the tyre traction rating M&S on the tyre sidewall.

If you plan to operate your vehicle in snowy or icy conditions, NISSAN recommends the use of snow or all season tyres on all four wheels.

Snow tyres

If snow tyres are needed, it is necessary to select tyres equivalent in size and load rating to the original equipment tyres. If you do not, it can adversely affect the safety and handling of your vehicle.

Generally, snow tyres will have lower speed ratings than factory equipped tyres and may not match the potential maximum vehicle speed. Never exceed the maximum speed rating of the tyre.

For additional traction on icy roads, studded tyres may be used. However, some provinces and states prohibit their use. Check local, state and provincial laws before installing studded tyres. Skid and traction capabilities of studded snow tyres, on wet or dry surfaces, may be poorer than that of non-studded snow tyres.

SNOW CHAINS

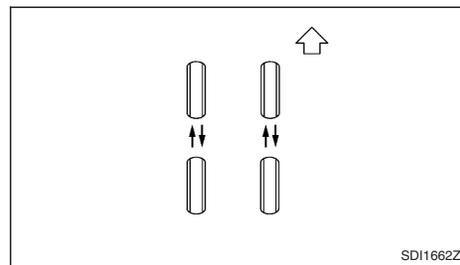
Use of snow chains may be prohibited in some areas. Check the local laws before installing snow chains. When installing snow chains, make sure they are of proper size for the tyres on your vehicle and are installed according to the chain manufacturer's suggestions.

Use chain tensioners when recommended by the snow chain manufacturer to ensure a tight fit. Loose end links of the snow chain must be secured or removed to prevent the possibility of whipping action damage to the fenders or underbody.

In addition, drive at a reduced speed. Otherwise, your vehicle may be damaged and/or vehicle handling and performance may be adversely affected.

Snow chains must be installed **only** on the **front wheels** and **not** on the rear wheels. Never install tyre chains on a T-type spare tyre (TEMPORARY USE ONLY). Do not use the chains on dry roads.

TYRE ROTATION



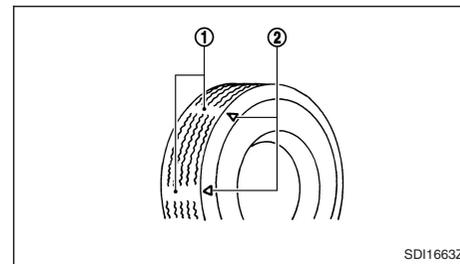
NISSAN recommends that tyres be rotated every 10,000 km (6,000 miles). However, the timing for tyre rotation may vary according to your driving habits and the road surface conditions.

See "Flat tyre" in the "6. In case of emergency" section for tyre replacing procedures.

WARNING

- After rotating the tyres, adjust the tyre pressure.
- Retighten the wheel bolts when the vehicle has been driven for the first 1,000 km (600 miles) (also in cases of a flat tyre, etc.).
- Do not include the temporary-use spare tyre in the tyre rotation.
- Incorrect tyre selection, fitting, care or maintenance can affect vehicle safety with risk of

accident and injury. If in doubt, consult a NISSAN dealer or the tyre manufacturer.



- ① Wear indicator
- ② Wear indicator location mark

TYRE WEAR AND DAMAGE

Tyres 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 tyre should be replaced immediately.

The original tyres have a built-in tread wear indicator ①. When the wear indicator is visible, the tyre should be replaced.

Improper service of a spare tyre may result in serious personal injury. If it is necessary to repair the spare tyre, contact a NISSAN dealer or qualified workshop.

TYRE AGE

Never use a tyre over six years old, regardless of whether they have been used or not.

Tyres degrade with age as well as the use they are subjected to. Have the tyres checked and balanced frequently by a NISSAN dealer or qualified workshop.

CHANGING TYRES AND WHEELS



WARNING

Do not install a deformed wheel or tyre even if it has been repaired. Such wheels or tyres could have structural damage and could fail without warning.

When replacing a tyre, use the same size, speed rating and load carrying capacity as originally equipped. Recommended types and sizes are mentioned in "Wheels and tyres" in the "9. Technical information" section.

The use of tyres other than those recommended or the mixed use of tyres of different brands, construction (bias, bias-belted, or radial), or tread patterns can adversely affect the ride, braking, handling, ground clearance, body-to-tyre clearance, snow chain clearance, speedometer calibration, headlight aim and bumper height.



WARNING

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 tyre wear, possibly degraded vehicle handling characteristics and/or interference with the brake discs/drums. Such interference can lead to decreased braking efficiency and/or early brake pad/shoe wear.

WHEEL BALANCE

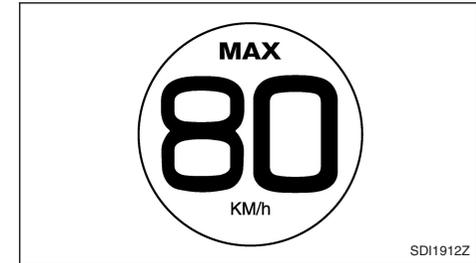
Unbalanced wheels may affect vehicle handling and tyre life. Even with regular use, wheels can get out of balance. Therefore, they should be balanced as required.

Wheel balance service should be performed with the wheels off the vehicle. Spin balancing the front wheels on the vehicle could lead to transmission damage.

SPARE TYRE

Conventional spare tyre

A standard tyre (the same size as the road wheels) is supplied with your vehicle.



Spare tyre label (where fitted)

Temporary-use (T-type) spare tyre (where fitted)

Observe the following precautions if the T-type spare tyre must be used, otherwise your vehicle could be damaged or involved in an accident.

CAUTION

- **The T-type spare tyre should be used only for emergency. It should be replaced by the standard tyre at the first opportunity.**
- **Drive carefully while the T-type spare tyre is installed.**
- **Avoid sharp turns and abrupt braking while driving.**

- Periodically check the T-type spare tyre inflation pressure, and always keep it at 420 kPa (4.2 bar, 60 psi).
- Do not drive your vehicle at speeds faster than 80 km/h (50 MPH).
- Do not use snow chains on a T-type spare tyre. Snow chains will not fit properly on the T-type spare tyre and may cause damage to the vehicle.
- Tyre tread of the T-type spare tyre will wear at a faster rate than the original tyre. Replace the T-type spare tyre as soon as the tread wear indicators appear.
- Because the T-type spare tyre is smaller than the original tyre, 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 T-type spare tyre on other vehicles.
- Do not use more than one T-type spare tyre at the same time.

9 Technical information

Capacities and recommended fuel/lubricants	9-2	Vehicle identification number (VIN) plate (where fitted)	9-6
Fuel recommendation	9-4	Engine serial number	9-6
Recommended SAE viscosity number	9-4	Tyre placard	9-6
Air conditioner system refrigerant and lubricant ...	9-4	Air conditioner specification label (where fitted)	9-7
Engine	9-5	Radio approval number and information	9-7
Wheels and tyres	9-5	Remote keyless entry system (where fitted)	9-7
Dimensions	9-5	Intelligent key system (where fitted)	9-7
When travelling or transferring your registration to another country	9-6	NISSAN Anti-Theft System (NATS) immobilizer	9-7
Vehicle identification	9-6		
Vehicle identification plate	9-6		
Vehicle identification number (VIN) (chassis number)	9-6		

CAPACITIES AND RECOMMENDED FUEL/LUBRICANTS

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.

Engine Type	Approximate Capacity		Recommended Fuel/Lubricants	
	Metric Measure	Imperial Measure		
Fuel HR12DE	41 L	9 gal	See “Fuel recommendation” later in this section.	
Engine oil (*1)				
HR12DE	including oil filter	3.4 L	3 qt	Genuine NISSAN engine oil (*2) API grade SL or SM (*2)
	excluding oil filter	3.2 L	2-7/8 qt	ILSAC grade GF-3 or GF-4 (*2) ACEA A1/B1, A3/B3, A3/B4, A5/B5, C2 or C3 (*2)
Cooling system (including reservoir tank capacity 0.7 L)				
HR12DE	MT model	5.5 L	4-7/8 qt	Genuine NISSAN Engine Coolant or equivalent in its quality (*3)
	CVT model	5.8 L	5-1/8 qt	
Continuously Variable Transmission (CVT) fluid		—	—	Genuine NISSAN CVT Fluid NS-2 (*4)
Manual Transmission (MT) gear oil		—	—	Genuine NISSAN Manual Transmission Fluid (MTF) HQ Multi 75W-85 or equivalent (*5)
Brake and clutch fluid		— (*6)	—	Genuine NISSAN Brake Fluid or equivalent DOT 3 or DOT4 (*7)
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

- *1: The approximate capacities listed are for refilling during an engine oil change. For additional information, see "Changing engine oil and oil filter" in the "8. Maintenance and do-it-yourself" section.
- *2: For additional information, see "Recommended SAE viscosity number" later in this section.
- *3: Use Genuine NISSAN Engine Coolant or equivalent in its quality, in order to avoid possible aluminium corrosion within the engine cooling system caused by the use of non-genuine engine coolant. **Note that any repairs for the incidents within the engine cooling system while using non-genuine engine coolant may not be covered by the warranty even if such incidents occurred during the warranty period.**
- *4: **Use only Genuine NISSAN CVT Fluid NS-2. Using transmission fluid other than Genuine NISSAN CVT Fluid NS-2 will damage the CVT, which is not covered by the warranty.**
- *5: If Genuine NISSAN gear oil is not available, API GL-4, Viscosity SAE 75W-85 may be used as a temporary replacement. However, use Genuine NISSAN gear oil as soon as possible.
- *6: Refill to the proper fluid level according to the instructions in the "8. Maintenance and do-it-yourself" section.
- *7: Never mix different types of fluids (DOT3 and DOT4).

FUEL RECOMMENDATION

Model with three-way catalyst

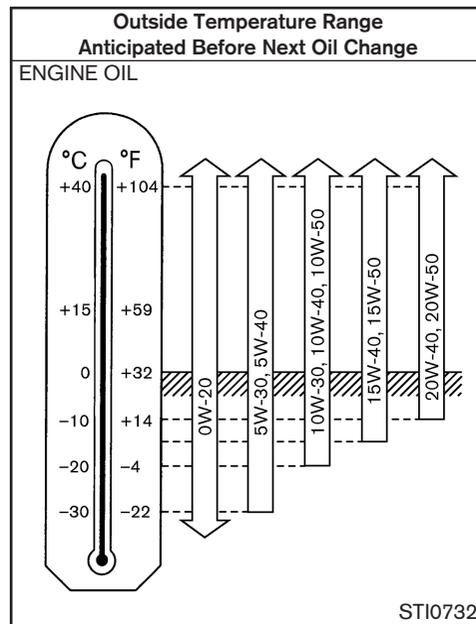
CAUTION

Do not use leaded petrol. Using leaded petrol will damage the three-way catalyst.

Use UNLEADED PREMIUM petrol with an octane rating of at least 95 (RON).

If unleaded premium petrol is not used, UNLEADED REGULAR petrol with an octane rating of at least 91 (RON) may be used at slightly reduced performance. However, for maximum vehicle performance and the best driveability, the use of unleaded premium petrol is recommended.

RECOMMENDED SAE VISCOSITY NUMBER



Petrol engine oil

5W-30 is preferable.

If 5W-30 is not available, select the viscosity, from the chart, that is suitable for the outside temperature range.

AIR CONDITIONER SYSTEM REFRIGERANT 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.

CAUTION

Use of any other refrigerants or lubricants will cause severe damage, and you may need to replace your vehicle's entire air conditioner system.

 NISSAN GREEN PROGRAM

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 layer. However, it may contribute in a small part to the global warming effect. NISSAN recommends that the refrigerant be appropriately recovered and recycled. Contact a NISSAN dealer or qualified workshop when servicing the air conditioner system.

ENGINE

Model	HR12DE	
Type	Petrol, 4-cycle, DOHC	
Cylinder arrangement	3-cylinder in-line	
Bore x Stroke	mm (in)	78.0 x 83.6 (3.071 x 3.291)
Displacement	cm ³ (cu in)	1,198 (73.10)
Firing order	1-3-4-2	
Idling speed in N position	rpm	750 ± 50
Ignition timing (BTDC) in N position	degree	CVT 9° ± 2° MT 12° ± 2°
Spark plug	Standard	REA12WMB4
Spark plug gap	mm (in)	1.1 (0.043)
Camshaft operation	Timing chain	

WHEELS AND TYRES

Unit: mm (in)			
Item	Size	Offset	
Road wheel	Steel	14 x 5-1/2J	45 (1.77)
	Aluminium alloy wheel	15 x 5-1/2J	50 (1.97)
Tyre size	Conventional	165/70R14 81S	175/60R15 81H
	Spare	T115/70 D14 88M	

DIMENSIONS

Unit: mm (in)	
Overall length	3,780 (148.8)
Overall width	1,665 (65.6)
Overall height	1,525 (60.0)
Front tread	1,470 (57.9)*1
	1,460(57.5)*2
Rear tread	1,475 (58.1)*1
	1,465(57.7)*2
Wheelbase	2,450 (96.5)

*1: Except for 175/60R15 tyre models

*2: For 175/60R15 tyre models

WHEN TRAVELLING OR TRANSFERRING YOUR REGISTRATION TO ANOTHER COUNTRY

When planning to travel in another country, you should first find out if the fuel available is suitable for your vehicle's engine.

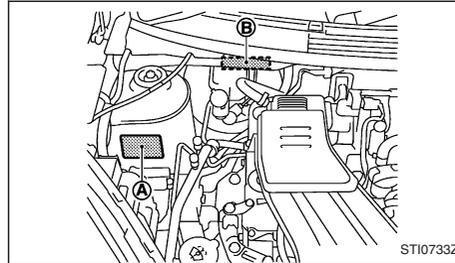
When transferring your vehicle registration to another country, check with the appropriate authorities that the vehicle complies with the requirements as it may not be possible to adapt it. In some cases, a vehicle cannot meet the legal requirements and in other cases, it may be necessary to modify the vehicle to meet specific laws and regulations.

The laws and regulations for motor vehicle emission control and safety standards vary according to the country; therefore, vehicle specifications may differ.

NISSAN is not responsible for any inconvenience when the vehicle is taken and registered into another country. The necessary modifications, transportation and registration are the owner's responsibility.

VEHICLE IDENTIFICATION

VEHICLE IDENTIFICATION PLATE

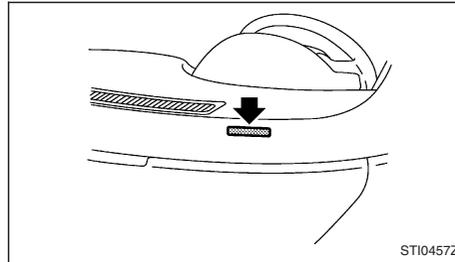


The plate is affixed as shown (A).

VEHICLE IDENTIFICATION NUMBER (VIN) (chassis number)

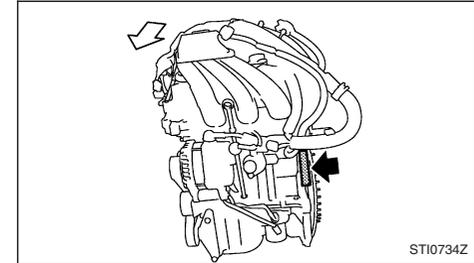
The number is stamped as shown (B).

VEHICLE IDENTIFICATION NUMBER (VIN) PLATE (where fitted)



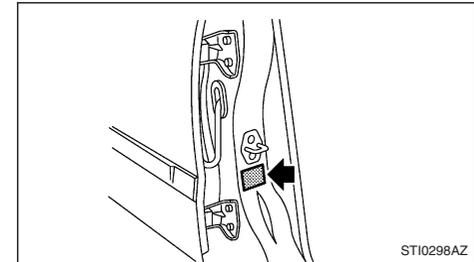
The number is stamped as shown.

ENGINE SERIAL NUMBER



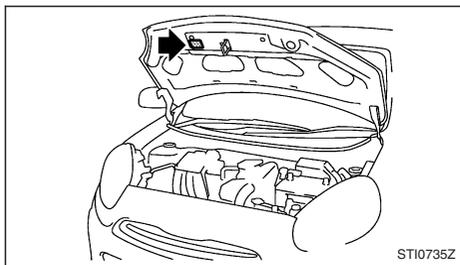
The number is stamped on the engine as shown.

TYRE PLACARD



The cold tyre pressures are shown on the tyre placard fixed to the side of the driver's side centre pillar.

AIR CONDITIONER SPECIFICATION LABEL (where fitted)



The label is affixed as shown.

RADIO APPROVAL NUMBER AND INFORMATION

REMOTE KEYLESS ENTRY SYSTEM (where fitted)



Hereby, ALPS ELECTRIC CO.,LTD. declares that the Keyless and TPMS TUNER model TWC1G124 and Keyless Transmitter, model TWB1U761 are in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

CAUTION

Do not expose to excessive heat such as sunshine, fire, or the like.

CAUTION

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

INTELLIGENT KEY SYSTEM (where fitted)



Hereby, ALPS ELECTRIC CO.,LTD. declares that the Passive Entry System (Hand Unit) model TWB1G662, Passive Entry System (Tuner) model

TWC1G135, ANT ASSY-IMMOBILISER model TWK1A002 are in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

CAUTION

Do not expose to excessive heat such as sunshine, fire, or the like.

CAUTION

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

NISSAN ANTI-THEFT SYSTEM (NATS) IMMOBILIZER



Hereby, CalsonicKansei Corp. declares that this ANT ASSY-IMMOBILISER model MW1014 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

CAUTION

Do not expose to excessive heat such as sunshine, fire, or the like.

CAUTION

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

NOTE

9-8 **Technical information**

NOTE

NOTE

9-10 **Technical information**

NOTE

NOTE

9-12 **Technical information**

NOTE

NOTE

9-14 **Technical information**

10 Index

A

Air cleaner filter	8-13
Air conditioner	
– Air conditioner specification label	9-7
– Air conditioner system refrigerant and lubricant	9-4
Antenna	4-13
Anti-lock Braking System (ABS)	5-29
Audible reminders, warning/indicator lights	2-8
Audio	
– FM-AM radio with CD player and navigation	4-20
– FM-AM Radio with compact disc (CD) player	4-14
– Steering wheel switches for audio control	4-20
Audio system	4-8

B

Back door	3-18
Battery	5-31, 8-15
– Caution label	8-15
– Integrated keyfob battery	8-16
– Intelligent Key battery	8-17
– Vehicle battery	8-15
Battery saver system	2-24, 2-36, 3-12
Before starting the engine	5-2
Bluetooth® Hands-Free Phone System	4-21
Bonnet	3-17
– Closing bonnet	3-17
Brake	8-10
– Anti-lock Braking System (ABS)	5-29

– Brake booster	8-11
– Brake fluid	8-11
– Brake pad wear warning	8-10
– Brake precautions	5-28
– Brake system	5-28
– Checking brake pedal	8-10
– Checking parking brake	8-10
– Self-adjusting brakes	8-10

C

Capacities and recommended fuel/lubricants	9-2
Car phone or CB radio	4-21
Card holder	2-34
Care when driving	5-4
CENTER mark on seat belts	1-8
Changing	
– Changing engine coolant	8-6
– Changing engine oil and oil filter	8-6
– Changing engine oil filter	8-8
– Changing tyres and wheels	8-27
Checking	
– Brake pedal	8-10
– Checking engine coolant level	8-5
– Checking engine oil level	8-6
– Checking parking brake	8-10, 8-20
Child restraint installation using ISOFIX	1-19
Child restraints	1-13
Child safety	1-7
Cleaning	
– Alloy wheels	7-3

- Chrome parts 7-3
- Exterior 7-2
- Glass 7-3, 7-4
- Interior 7-3
- Removing spots 7-2
- Underbody 7-3
- Clock (digital) 2-33
 - Adjusting time 2-33
- Clutch
 - Clutch fluid 8-12
- Cold weather driving 5-30
- Continuously variable transmission
 - Continuously variable transmission fluid 8-13
- Continuously Variable Transmission (CVT) position indicator . 2-7
- Coolant
 - Changing engine coolant 8-6
 - Checking engine coolant level 8-5
 - Engine coolant 5-31
 - Engine cooling system 8-5
- Corrosion protection 5-31, 7-5
 - Environmental factors 7-5
- Cup holders 2-35

D

- Digital clock 2-33
- Dimensions 9-5
- Display
 - Vehicle information display 2-15
- Drive belts 8-9
- Driving
 - Care when driving 5-4
 - Cold weather driving 5-30
 - Driving in wet conditions 5-4
 - Driving in winter conditions 5-4
 - Driving vehicle 5-10

- Driving with Continuously Variable Transmission (CVT) .. 5-10
- Driving with manual transmission (MT) 5-14
- Precautions when starting and driving 5-2

E

- Engine
 - Before starting the engine 5-2
 - Changing engine coolant 8-6
 - Changing engine oil and oil filter 8-6
 - Changing engine oil filter 8-8
 - Checking engine coolant level 8-5
 - Checking engine oil level 8-6
 - Data 9-5
 - Engine cold start period 5-4
 - Engine compartment 8-18, 8-5
 - Engine coolant 5-31
 - Engine cooling system 8-5
 - Engine oil 8-6
 - Engine overheat 6-7
 - Engine serial number 9-6
 - Engine start operation indicator 2-16
 - Starting engine (Models with Intelligent Key system) 5-9
 - Starting engine (Models without Intelligent Key system) ... 5-9
- Engine start operation indicator 2-7
- Exhaust gas 5-2
- Exterior lights 8-20

F

- Filter
 - Air cleaner filter 8-13
- Floor mats 7-4
- Fluid
 - Brake fluid 8-11

- Clutch fluid	8-12
- Continuously variable transmission fluid	8-13
- Window washer fluid	8-14
Front map lights	2-36
Fuel	
- Fuel filler cap	3-19
- Fuel gauge	2-6
- Fuel recommendation	9-4
- Opening fuel filler lid	3-19
Fuel filler lid	3-18
Fuses	8-18

G

Gauge	
- Meters and gauges	2-2
Gauges	
- Fuel gauge	2-6
Glove box	2-34

H

Hazard indicator flasher switch	2-30
Headlight	
- Headlight switch	2-23
- Headlights	8-19
Heated seats	1-3
Heater and air conditioner	4-2
- Automatic air conditioner	4-6
- Manual air conditioner	4-4
Horn	2-30

I

Ignition

- Ignition key positions (Models without Intelligent Key system)	5-5
- Ignition switch (Models without intelligent Key system)	5-4
- Ignition switch positions (Models with Intelligent Key system)	5-7
- Push-button ignition switch	5-6
Indicator lights	2-8
Indicators for operation	2-16
Injured persons	1-8
Inside rear view mirror	3-20
Intelligent Key	3-2
Intelligent Key battery	8-17
Intelligent Key system	3-8
Intelligent Key Troubleshooting guide	3-13
Interior lights	2-36, 8-20

J

Jump-starting	6-6, 8-16
---------------------	-----------

K

Key

- Intelligent Key	3-2
- Intelligent Key battery	8-17
- Intelligent Key battery discharge	5-8
- Intelligent Key system	3-8
- Keys	3-2
- Locking with key	3-4
- Mechanical key	3-3
- NISSAN Anti-Theft System (NATS*) key	3-2

- Remote keyless entry system 3-7
- Using remote keyless entry function 3-15
- Using remote keyless entry system 3-7

L

Light

- Exterior lights 8-20
- Fog light switch 2-26
- Front map lights 2-36
- Headlight switch 2-23
- Headlights 8-19
- Indicator lights 2-8
- Interior lights 2-36, 8-20
- Light locations 8-21
- Lights 8-19
- Warning lights 2-8

Lock

- Door locks 3-4
- Locking with inside lock knob 3-5
- Locking with key 3-4
- Locking with power door lock switch 3-5
- Super lock system 3-4

M

Maintenance

- General maintenance 8-2
- Maintenance precautions 8-4
- Maintenance requirements 8-2

Mechanical key 3-3

Meter and gauges

- Fuel gauge 2-6
- Tachometer 2-6
- Trip computer 2-5

- Meters and gauges 2-2
- Odometer 2-4

Mirror

- Inside rear view mirror 3-20
- Outside rearview mirrors 3-20
- Vanity mirror 3-22

N

NISSAN Anti-Theft System (NATS) 3-16

NISSAN Anti-Theft System (NATS*) key 3-2

O

Odometer 2-4

Oil

- Changing engine oil and oil filter 8-6
- Changing engine oil filter 8-8
- Checking engine oil level 8-6
- Engine oil 8-6

Opening fuel filler lid 3-19

Operation displays 2-16

Outside rearview mirrors 3-20

Overheat

- Engine overheat 6-7

P

Parking

- Parking brake 3-22
 - Parking sensor indicator 5-24
 - Parking sensor system 5-23
 - Parking space measurement operation 5-24
- Parking brake 3-22, 5-31

Parking sensor indicator	5-24
Parking space measurement operation	5-24
Phone	
– Bluetooth® Hands-Free Phone System	4-21
Power	
– Electric power steering system	5-27
– Locking with power door lock switch	3-5
– Power outlet	2-33
– Power windows	2-30
Power outlet	2-33
Precautions	
– Brake precautions	5-28
– Maintenance precautions	8-4
– Precautions on child restraints usage	1-13
– Precautions on seat belt usage	1-6
– Precautions on Supplemental Restraint System	1-25
– Safety precautions	4-2
– Towing precautions	6-8
– When starting and driving	5-2
Pregnant women	1-8
Protect	
– Protect the environment	8-9
– Protect your vehicle from corrosion	7-5
Push-starting	6-7

R

Radio	
– FM-AM radio with CD player and navigation	4-20
– FM-AM Radio with compact disc (CD) player	4-14
– Radio approval number and information	9-7
Rear	
– Rear seats	1-4
Remote keyless entry system	3-7
Room light	2-36
Running-in schedule	5-2

S

Safety	
– Child safety	1-7
Seat	
– CENTER mark on seat belts	1-8
– Front seats – Adjustment	1-2
– Precautions on seat belt usage	1-6
– Rear seats	1-4
– Seat belts	1-6
– Seats	1-2
– Universal child restraints for front seat and rear seats	1-14
Seat belt	
– CENTER mark on seat belts	1-8
– Precautions on seat belt usage	1-6
– Seat belt warning light	2-8
– Seat belts	1-6, 7-4
Security system	3-16
Snow chains	8-26
Spark plugs	8-9
– Iridium-tipped spark plugs	8-9
Speedometer	2-4
Starting	
– Before starting the engine	5-2
– Jump-starting	6-6, 8-16
– Precautions when starting and driving	5-2
– Push-starting	6-7
Starting engine (Models with Intelligent Key system)	5-9
Starting engine (Models without Intelligent Key system)	5-9
Steering	
– Electric power steering system	5-27
– Steering wheel switches for audio control	4-20
– Telephone button	4-21
Steering lock	5-5, 5-7
Storage	2-34
– Card holder	2-34

- Cup holders	2-35
- Glove box	2-34
- Luggage compartment	2-35
- Upper instrument box	2-34
Sun visors	2-36
Sunshade	2-32
Super lock system	3-4
Supplemental Restraint System	1-25
Switch	
- Fog light switch	2-26
- Hazard indicator flasher switch	2-30
- Locking with power door lock switch	3-5
- Main lighting switch	2-23
- Windscreen wiper and washer switch	2-27
- Wiper and washer switch	2-27

T

Tachometer	2-6
Three-way catalyst	5-3
Tonneau board	2-35
Towing	
- Towing precautions	6-8
- Towing recommended by NISSAN	6-8
- Towing your vehicle	6-8
Transmission	
- Continuously variable transmission fluid	8-13
- Driving with Continuously Variable Transmission (CVT) ..	5-10
- Driving with manual transmission (MT)	5-14
Travelling or transferring your registration to another country ..	9-6
Trip computer	2-5
Tyre	
- Changing tyres and wheels	8-27
- Types of tyres	8-25
- Tyre age	8-27
- Tyre equipment	5-31

- Tyre inflation pressure	8-25
- Tyre placard	9-6
- Tyre rotation	8-26
- Tyre wear and damage	8-26
- Wheels and tyres	8-25, 9-5

U

Universal child restraints for front seat and rear seats	1-14
Upper instrument box	2-34
USB/AUX connector	4-21
Using remote keyless entry function	3-15
Using remote keyless entry system	3-7

V

Vanity mirror	3-22
Vehicle identification	9-6
- Vehicle identification number (VIN) (chassis number)	9-6
- Vehicle identification number (VIN) plate	9-6
- Vehicle identification plate	9-6
Vehicle information display	2-15
Vehicle security	5-30
Vents	4-2
Viscosity number (SAE)	9-4

W

Warning	
- Intelligent Key warnings and audible reminders	3-12
- Warning/indicator lights and audible reminders	2-8
Washing	7-2
Waxing	7-2

Wheel	
- Blocking the wheels	6-3
- Care of wheels	7-3
- Changing tyres and wheels	8-27
- Getting the tools and spare wheel	6-2
- Installing the wheel	6-5
- Removing the wheel	6-3
- Stowing the wheel and tools	6-5
- Wheel balance	8-27
- Wheels and tyres	8-25, 9-5
Window washer fluid	8-14
Window(s)	
- Manual windows	2-30
- Power windows	2-30
- Timer	2-30
Windscreen wiper and washer switch	2-27
Winter (Special winter equipment)	5-31
Wiper	8-14
- Windscreen wiper and washer switch	2-27
- Wiper and washer switch	2-27
- Wiper blades replacement	8-13

PETROL STATION INFORMATION

RECOMMENDED FUEL

Model with three-way catalyst

CAUTION

Do not use leaded petrol. Using leaded petrol will damage the three-way catalyst.

Use UNLEADED PREMIUM petrol of at least 95 octane (RON).

If unleaded premium petrol is not used, UNLEADED REGULAR petrol with an octane rating of at least 91 (RON) may be used at slightly reduced performance. However, for maximum vehicle performance and the best driveability, the use of unleaded premium petrol is recommended.

RECOMMENDED ENGINE OIL *

For further details, see "Capacities and recommended fuel/lubricants" in the "9. Technical information" section.

Genuine NISSAN engine oil

API grade SL or SM

ILSAC grade GF-3 or GF-4

ACEA A1/B1, A3/B3, A3/B4, A5/B5, C2 or C3

COLD TYRE PRESSURE

See the tyre placard affixed to the driver's side centre pillar.

ENVIRONMENT (End of Life Vehicles)

ENVIRONMENTAL CONCERN



NISSAN GREEN PROGRAM

Today, the efforts made by NISSAN to fulfil our responsibilities to protect and sustain the environment are far-reaching. Within NISSAN, we promote the highest levels of practice in every region and in every area of operations.

COMPLIANCE AT EVERY STEP

NISSAN focuses on ensuring that end of life vehicle components are reused, recycled or recovered as thermal energy, and guarantees compliance with EU legislation (the End of Life Vehicle Directive).

WE BUILD OUR VEHICLES WITH RECYCLING IN MIND

Reducing landfill waste, emissions, conserving natural resources, and enhancing recycling activities are emphasised daily in our manufacturing, sales and service operations and in the disposal of end of life vehicles (ELV).

Design phase

To reduce environmental impact we have developed your NISSAN vehicle to be 95% recyclable. We mark the components to facilitate dismantling, recycling and to reduce hazardous substances. We carefully verify and control substances of concern. We have already reduced to a minimum the cadmium, mercury and lead in your NISSAN vehicle. NISSAN includes recycled material in your vehicle and looks for opportunities to increase the percentage of recycled materials used.

Manufacturing phase

NISSAN plants based in the UK and Spain already achieve a recycling rate of over 90% and are looking for further improvements. The UK plant installed 8 windmills to cut carbon dioxide emissions at power plants by more than 3,000 tonnes per year. Since the end of March 2007, NMISA (Spain) uses a solar panel water heating system to save energy. This will generate 33% of the energy consumed in the baths during the painting of your vehicle.

Production and distribution phase

Using resources efficiently to reduce the amount of waste generated during the production and distribution stage. NISSAN promotes activities based on Reducing, Reusing, and Recycling materials whenever possible. The NISSAN GREEN PROGRAM 2010 (NGP2010) is our midterm environmental action plan defining our goals for achieving a 100% recycling rate for operations in Japan and globally.

Use and service phase

NISSAN dealers are our window to you, our customer. In order to meet your expectations they provide not only high quality services but are also environmentally responsible. NISSAN promotes activities to recycle the waste generated as a result of service centre activities.

Disposal phase

Recycle your end of life vehicle or its components. When your NISSAN reaches the end of its life, and is no longer suitable for daily use, it still has value.

You can help prevent waste affecting the environment by bringing your NISSAN to be recycled at our collection networks in your area. Our collection networks guarantee no cost for the treatment of your ELV. For further information on how and where to dispose of your ELV refer to your local NISSAN dealer or consult: www.nissan.eu.

PROTECT THE ENVIRONMENT WHEN DRIVING

Your driving behaviour has significant impact on fuel economy and the environment. Follow the tips below for better fuel-efficiency, better driving habits, and to be environmentally friendly by reducing emissions:

Defensive driving

Anticipating traffic conditions and acting accordingly reduces fuel consumption, helping to protect of our natural environment. Take your foot off the accelerator while approaching traffic lights and avoid last minute braking when the light turns red.

Avoid speeding, harsh acceleration, and strong braking. The gain in time does not offset pollution of the environment. Try to maintain speed when driving uphill to reduce fuel consumption and pollution. Maintain speed or allow the vehicle to go slower where traffic allows.

Close windows when driving

Driving with a window open at 100 km/h (62 MPH) increases fuel consumption by up to 4%. Driving with the windows closed allows for better fuel economy.

Optimise the use of air conditioning

The air conditioning system has a positive effect on driving and vehicle safety through comfort cooling and dehumidifying, drivers are more alert and have better visibility when window demisting/defogging becomes necessary. However, use of the air conditioning system will increase fuel consumption substantially in an urban environment. Optimise the use of air conditioning by using the vents as much as possible.

Use the parking brake on slopes

Use the parking brake when holding your vehicle on a slope. Avoid using the clutch (manual transmission) or the accelerator (continuously variable transmission) to hold your vehicle as this leads to unnecessary fuel consumption and wear.

Maintain a safe distance

Anticipate traffic conditions for a smoother drive and to assure comfort and safety during your trip. Drive and maintain a safe distance from other vehicles while in traffic. This will help reduce fuel consumption as you will not be constantly tapping your brakes.

Check your tyre pressure

Low tyre pressure increases fuel consumption as well as the use of non-recommended tyres. Correct tyre pressure will maximise the grip of your vehicle and optimise fuel consumption.

Have your car serviced regularly

Regular service allows you to run your vehicle in optimal condition and with the best fuel efficiency. Have your vehicle serviced by your NISSAN dealer or a qualified workshop to ensure that it is maintained to its original standard.

QUICK REFERENCE

- In case of emergency ... 6-2
(Flat tyre, engine will not start, overheating, towing)
- How to start the engine ... 5-2
- How to read the meters and gauges ... 2-2
- Maintenance and do-it-yourself ... 8-2
- Technical information ... 9-2

SECURITY INFORMATION

As owner of this vehicle important codes have been supplied to you that may be required by your NISSAN dealer to duplicate keys or repair the radio.

Please fill in the allocated areas or attach sticker(s) if available. Remove this page and keep it in a safe place, **not in the vehicle.**

When selling your vehicle, we kindly request you to hand over this page to the buyer.

SECURITY INFORMATION

Radio security code
(where fitted)

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Key number

--	--	--	--	--

Wheel lock key code
(where fitted)

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Remove this page from the manual and keep it in a safe place, **not in the vehicle.**

When selling your vehicle, we kindly request you to hand over this page to the buyer.



