NISSAN MICRA

K13-U9

NISSAN

NISSAN ASSISTANCE
TAKESCAREOFYOU
BREAKDOWN - ACCIDENT
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NISSAN

MICRA

OWNER'S MANUAL

Foreword

Welcome to the growing family of new NISSAN owners. This vehicle is delivered to you with confidence. It is 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!

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

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

WHEN READING THE MANUAL

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

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

All information, specifications and illustrations in this manual are those in effect at the time of printing. NISSAN reserves the right to change specifications or designs 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

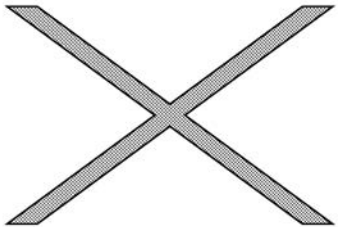
Indicates the presence of a hazard that could cause minor or moderate personal injury, or damage to your vehicle. To avoid or reduce the risk, the procedures described must be followed carefully.

NOTE

Indicates additional helpful information.

Blue Citizenship

The Blue Citizenship 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.

[ ]:

Square brackets are used to indicate messages, keys, or items displayed on a screen.

< >:

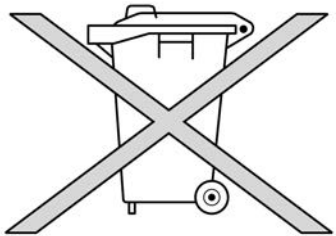
Chevrons or angle brackets are used to indicate texts on controls like buttons or switches inside or on the vehicle.

AIR BAG WARNING LABELS



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

Be sure to read “Air bag warning label” in the “1. Safety — seats, seat belts and supplemental restraint system” section.



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.

TRADEMARKS

Bluetooth® is a trademark owned by Bluetooth SIG, Inc. and licensed to Clarion Co., Ltd. and Daewoo IS Corp.

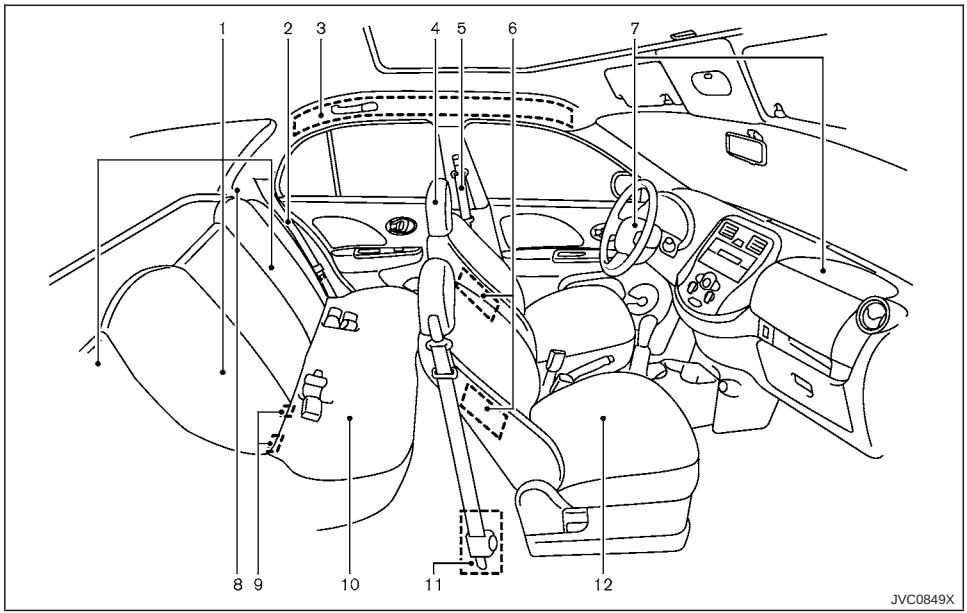
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Contents

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

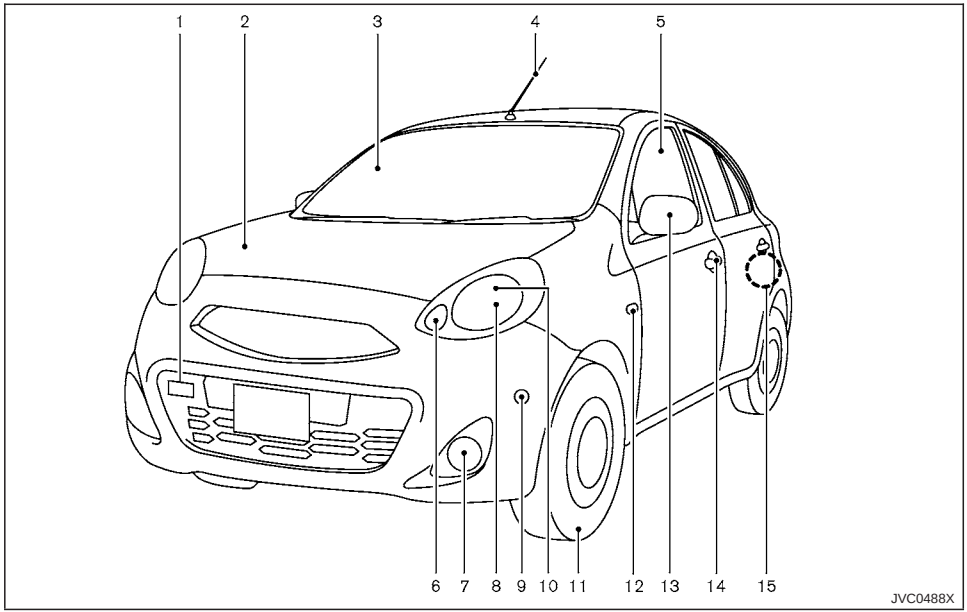
0 Illustrated table of contents

Seats, Seat belts and Supplemental Restraint System (SRS) 0-2
Exterior front 0-3
Exterior rear 0-4
Passenger compartment 0-5
Instrument panel 0-6
  Left-Hand Drive (LHD) model 0-6
  Right-Hand Drive (RHD) model 0-8
Meters and gauges 0-10
Engine compartment 0-13
  HR12DDR engine model 0-13
  HR12DE engine model 0-14



1. Child restraint anchor point (for top tether strap child restraint) (P. 1-19)
2. Rear seat belts (P. 1-8)
3. Supplemental curtain side-impact air bags (P. 1-26)
4. Head restraints (P. 1-5)
5. Front seat belts (P. 1-8)
6. Supplemental side-impact air bags (P. 1-26)
7. Supplemental front-impact air bags (P. 1-26)
8. Rear centre seat belts (for three-point type seat belts) (P. 1-8)
9. ISOFIX child restraint system (P. 1-18)
10. Rear seats (P. 1-4)
    — Child restraints (P. 1-14)
11. Pre-tensioner seat belt system (P. 1-28)
12. Front seat belts (P. 1-8)

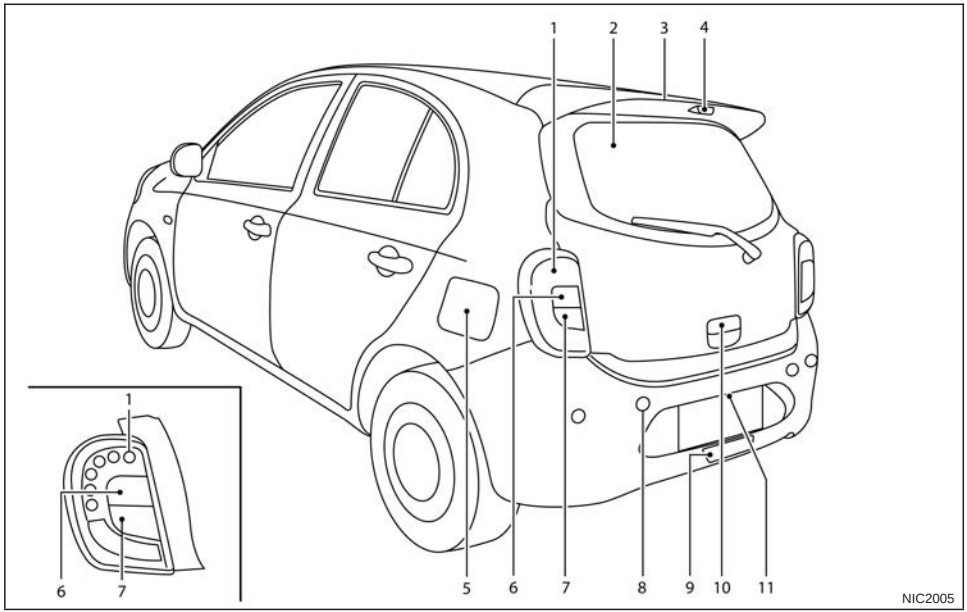
EXTERIOR FRONT



1. Recovery hook (P. 6-15)
2. Engine bonnet (P. 3-18)
3. Windscreen
   — Wiper and washer switch (P. 2-29)
   — Wiper replacement (P. 8-15)
   — Washer fluid (P. 8-16)
4. Antenna (P. 4-14)
5. Windows (P. 2-32)
6. Front turn signal lights
   — Switch operation (P. 2-27)
   — Bulb replacement (P. 8-23)
7. Fog lights*
   — Switch operation (P. 2-28)
   — Bulb replacement (P. 8-22)
8. Front side lights
   — Switch operation (P. 2-25)
   — Bulb replacement (P. 8-22)
9. Parking space measurement sensors* (P. 5-32)
10. Headlights
    — Switch operation (P. 2-25)
    — Bulb replacement (P. 8-22)
11. Tyres
    — Tyres and wheels (P. 8-31, P. 9-5)
    — Flat tyre (P. 6-2)
12. Side turn signal lights
    — Switch operation (P. 2-27)
    — Bulb replacement (P. 8-23)
13. Outside rearview mirrors (P. 3-20)
14. Doors
    — Keys (P. 3-2)
    — Door locks (P. 3-3)
    — Intelligent Key system* (P. 3-8)
    — Remote keyless entry system (P. 3-6)
    — Security system (P. 3-17)
15. Child safety rear door lock (P. 3-6)

*: where fitted

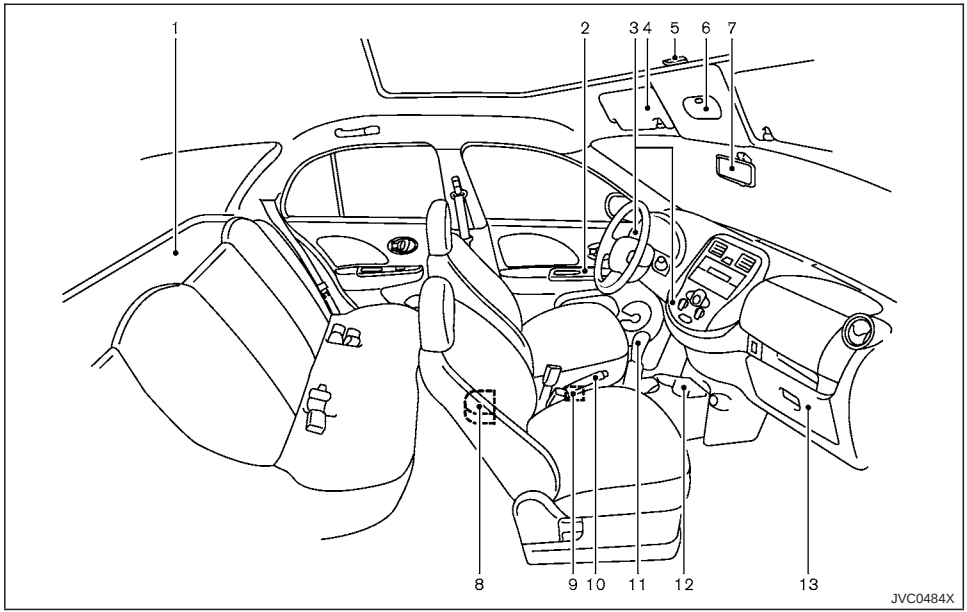
EXTERIOR REAR



1. Stop/tail lights (P. 8-22)
2. Rear window
   — Wiper and washer switch (P. 2-31)
   — Rear window defogger (P. 2-31)
3. High-mounted stop light (Model without rear spoiler) (P. 8-22)
4. High-mounted stop light (Model with rear spoiler) (P. 8-22)
5. Fuel
   — Fuel-filler lid (P. 3-19)
   — Fuel information (P. 9-2)
6. Turn signal lights
   — Switch operation (P. 2-27)
   — Bulb replacement (P. 8-22)
7. Reverse lights
   — Bulb replacement (P. 8-22)
8. Sonar (parking sensor) system* (P. 5-32)
9. Rear fog light
   — Switch operation (P. 2-28)
   — Bulb replacement (P. 8-23)
10. Back door (P. 3-19)
    — Back door operation (P. 3-19)
    — Intelligent Key system* (P. 3-8)
    — Remote keyless entry system (P. 3-6)
11. Number plate light (P. 8-22)

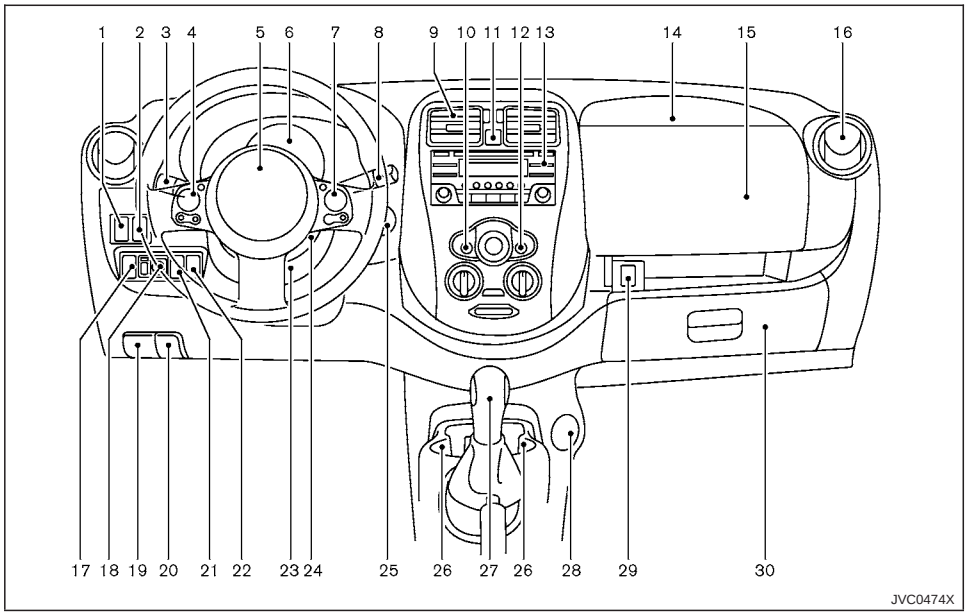
*: where fitted

PASSENGER COMPARTMENT



1. Tonneau board* (P. 2-37)
2. Door armrest
   — Power window switch* (P. 2-32)
   — Power door lock switch* (models with power windows) (P. 3-5)
3. Fuse box (P. 8-21)
4. Sun visor (P. 2-38)
5. Sunshade* (P. 2-34)
6. Room light (P. 2-38, P. 8-22)
7. Inside rearview mirror (P. 3-20)
8. Rear cup holder (P. 2-37)
9. Centre console
   — Heated seat switches* (P. 1-3)
   — Power door lock switch* (models without power windows) (P. 3-5)
10. Parking brake (P. 3-23, P. 8-11)
11. Shift lever
    — Automatic Transmission (AT) (P. 5-12)
    — Continuously Variable Transmission (CVT) (P. 5-15)
    — Manual Transmission (MT) (P. 5-19)
12. Front cup holder (P. 2-37)
13. Glove box (P. 2-36)

*: where fitted



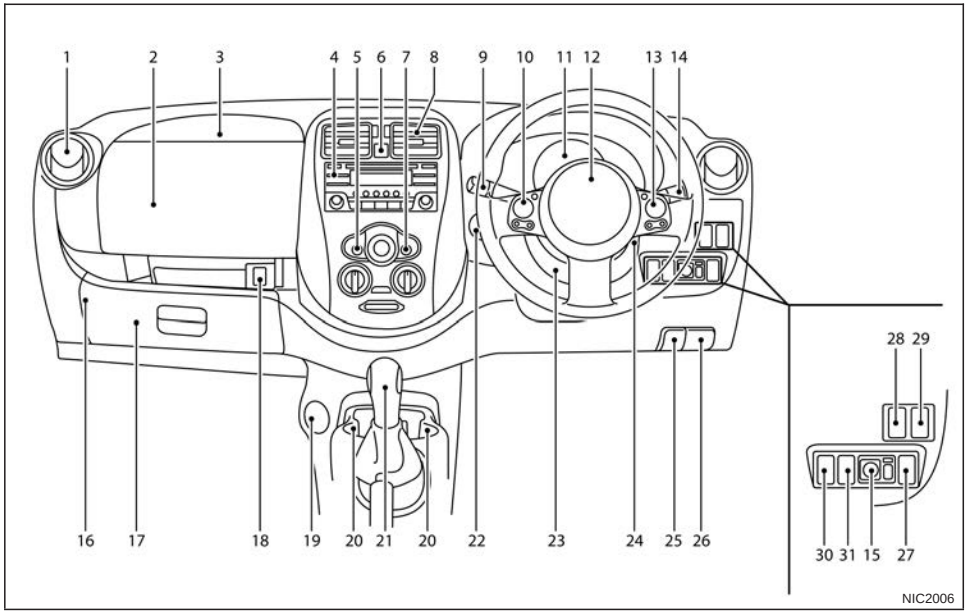
LEFT-HAND DRIVE (LHD) MODEL

1. Electronic Stability Programme (ESP) OFF switch (P. 5-24)
2. Parking space measurement switch* (P. 5-32)
3. Headlight, fog light* and turn signal switch (P. 2-25)
4. Steering-wheel-mounted controls (left side)*
   — Audio control* (P. 4-26)
   — Bluetooth® Hands-Free Phone System control (without navigation system)* (P. 4-27)
   — Bluetooth® Hands-Free Phone System control (with navigation system)**
5. Driver's front-impact air bag/Horn (P. 1-26, P. 2-32)
6. Meters and gauges (P. 2-2)
7. Steering-wheel-mounted controls (right side)*
   — Cruise control switches* (P. 5-28)
   — Speed limiter switches* (P. 5-25)
8. Wiper and washer switch (P. 2-29)
9. Centre vent (P. 4-2)
10. Rear window defogger switch (P. 2-31)
11. Hazard indicator flasher switch (P. 6-2)
12. Heater and air conditioner control (P. 4-2)
13. Audio system* (P. 4-8) and Navigation system**
14. Passenger's front-impact air bag (P. 1-26)
15. Upper instrument box* (P. 2-36)
16. Side vent (P. 4-2)
17. Headlight aiming control switch (P. 2-26)
18. Outside rearview mirror control switch* (P. 3-21)
19. Fuel-filler lid release handle (P. 3-19)
20. Bonnet lock release handle (P. 3-18)
21. Stop/Start System OFF switch* (P. 5-20)
22. Tyre Pressure Monitoring System (TPMS) reset switch* (P. 5-4)
23. Tilting steering wheel lock lever (P. 3-20)
24. Ignition switch/steering lock (model without Intelligent Key system) (P. 5-7)

25. Push-button ignition switch/steering lock (model with Intelligent Key system) (P. 5-8)
26. Cup holder (P. 2-37)
27. Shift lever
    — Automatic Transmission (AT) model (P. 5-12)
    — Continuously Variable Transmission (CVT) model (P. 5-15)
    — Manual Transmission (MT) model (P. 5-19)
28. Power outlet* (P. 2-35)
29. USB/AUX connector* (P. 4-21)
30. Glove box (P. 2-36)

*: 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. 2-36)
3. Passenger's front-impact air bag (P. 1-26)
4. Audio system* (P. 4-8) or Navigation system **
5. Rear window defogger switch (P. 2-31)
6. Hazard indicator flasher switch (P. 6-2)
7. Heater and air conditioner control (P. 4-2)
8. Centre vent (P. 4-2)
9. Wiper and washer switch (P. 2-29) or headlight, fog light and turn signal switch (P. 2-25)
10. Steering-wheel-mounted controls (left side)*
    — Audio control* (P. 4-26)
    — Bluetooth® Hands-Free Phone System control (without navigation system)* (P. 4-27)
    — Bluetooth® Hands-Free Phone System control (with navigation system)**
11. Meters and gauges (P. 2-2)
12. Driver's front-impact air bag (P. 1-26)/Horn (P. 2-32)
13. Steering-wheel-mounted controls (right side)*
    — Cruise control switches* (P. 5-28)
    — Speed limiter switches* (P. 5-25)
14. Headlight, fog light* and turn signal switch (P. 2-25)
15. Outside rearview mirror control switch* (P. 3-21)
16. Fuse box (P. 8-21)
17. Glove box (P. 2-36)
18. USB/AUX connector* (P. 4-21)
19. Power outlet* (P. 2-35)

20 Cup holder (P. 2-37)

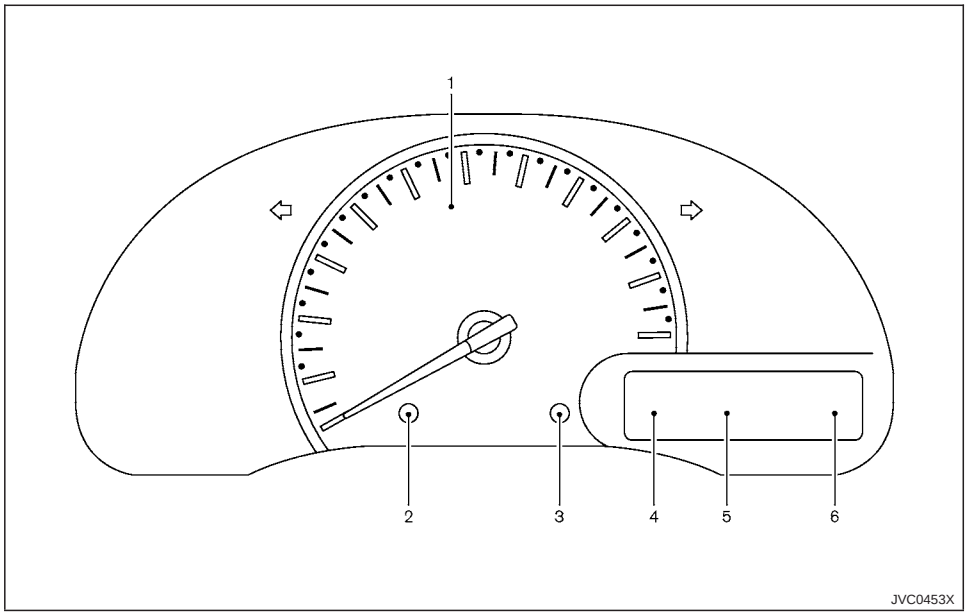
21 Shift lever
    — Continuously Variable Transmission (CVT) model (P. 5-15)
    — Manual Transmission (MT) model (P. 5-19)

22. Push-button ignition switch (model with Intelligent Key system) (P. 5-8)
23. Tilting steering wheel lock lever (P. 3-20)

24. Ignition switch (model without Intelligent Key system)/steering lock (P. 5-7)
25. Bonnet lock release handle (P. 3-18)
26. Fuel-filler lid release handle (P. 3-19)
27. Headlight aiming control switch (P. 2-26)
28. Parking space measurement switch* (P. 5-33)
29. Electronic Stability Programme (ESP) OFF switch (P. 5-24)
30. Tyre Pressure Monitoring System (TPMS) reset switch* (P. 5-5)
31. Stop/Start System OFF switch* (P. 5-20)

*: where fitted

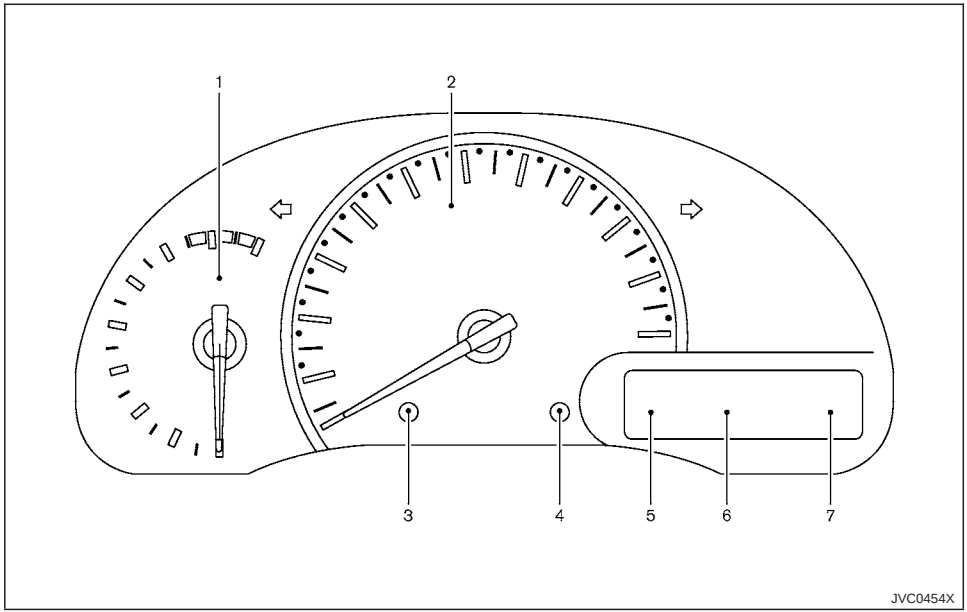
**: Refer to the separate NISSAN Connect Owner's Manual (where fitted).



Type A

1. Speedometer (P. 2-2)
2. Trip odometer reset switch/trip computer mode switch (P. 2-2)
3. Clock adjusting knob (P. 2-35)
4. Automatic Transmission (AT) position indicator* (P. 2-4, P. 5-12)/Shift lever indicator (MT models)* (P. 2-4, P. 5-20)
5. Odometer/twin trip odometer/trip computer (P. 2-2)/clock (P. 2-35)
6. Fuel gauge (P. 2-3)

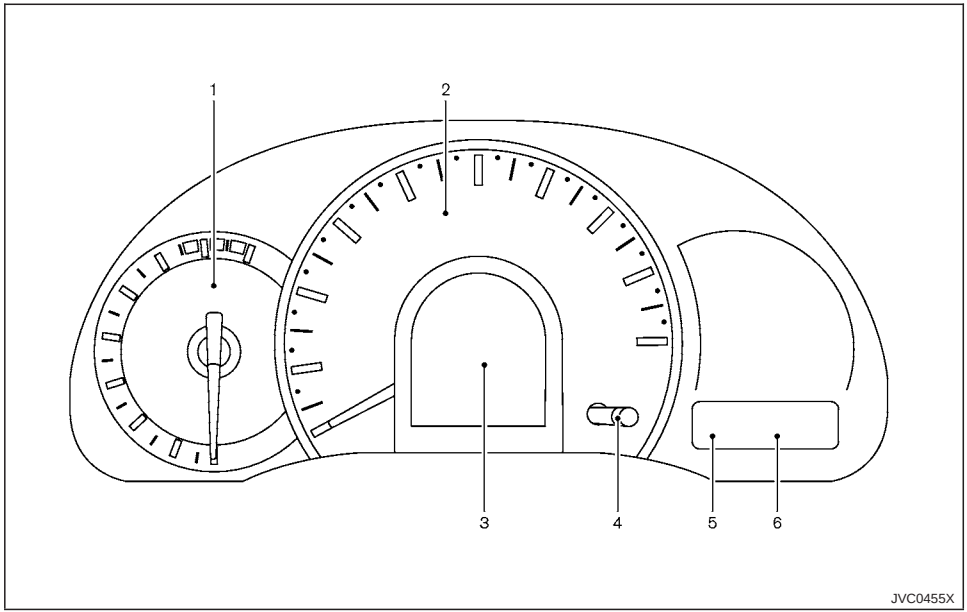
*: where fitted



Type B

1. Tachometer (P. 2-3)
2. Speedometer (P. 2-2)
3. Trip odometer reset switch/trip computer mode switch (P. 2-2)
4. Clock adjusting knob (P. 2-35)
5. Automatic Transmission (AT)/Continuously Variable Transmission (CVT) position indicator* (P. 2-4, P. 5-12)/Shift lever indicator (MT models)* (P.2-4, P. 5-12)/Cruise control and speed limiter display* (P. 5-28, P. 5-25)
6. Odometer/twin trip odometer/trip computer (P. 2-2)/clock (P. 2-35)
7. Fuel gauge (P. 2-3)

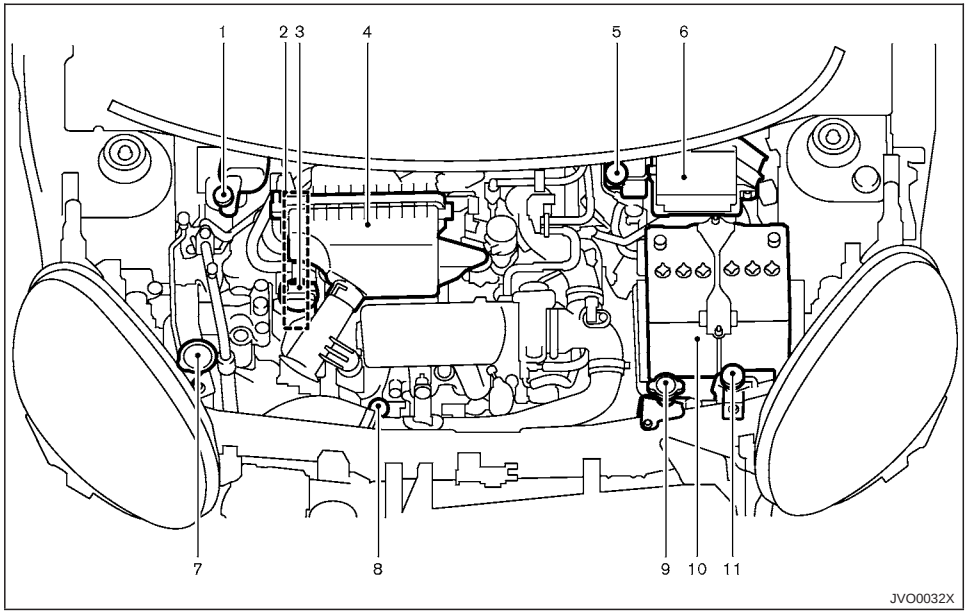
*: where fitted



Type C

1. Tachometer (P. 2-3)
2. Speedometer (P. 2-2)
3. Vehicle information display (P. 2-2, P. 2-15)
4. Trip odometer reset switch (P. 2-2)
5. Automatic Transmission (AT)/Continuously Variable Transmission (CVT) position indicator* (P. 2-4, P. 5-12)/Shift lever indicator (MT models)* (P.2-4, P. 5-12)
6. Odometer/twin trip odometer/clock (P. 2-2)

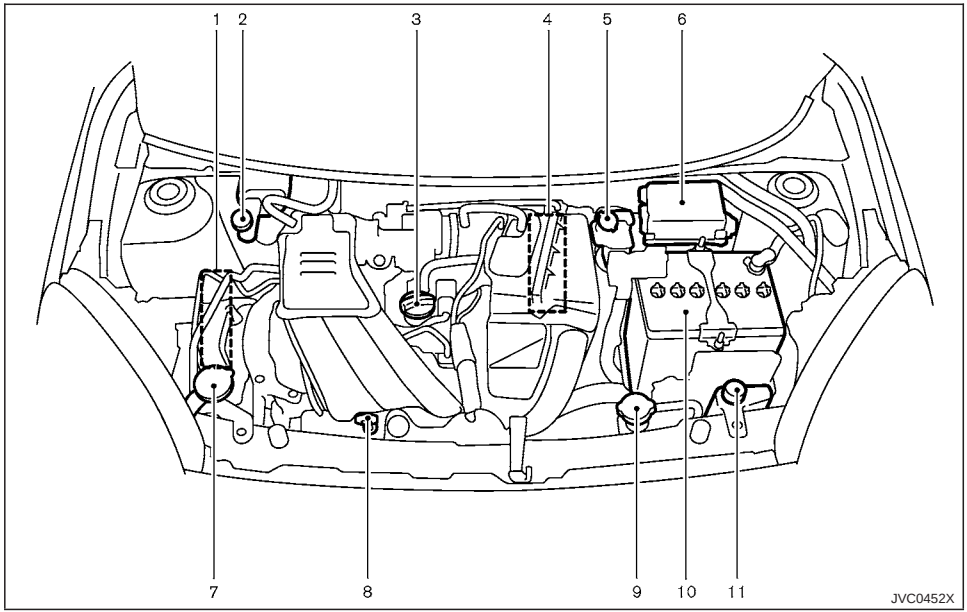
*: where fitted



HR12DDR ENGINE MODEL

1. Brake and clutch* fluid reservoir (P. 8-13, P. 8-13)
   — Right-Hand Drive (RHD) model
2. Engine drive belts (P. 8-10)
3. Engine oil filler cap (P. 8-7)
4. Air cleaner (P. 8-15)
5. Brake and clutch* fluid reservoir (P. 8-13, P. 8-13)
   — Left-Hand Drive (LHD) model
6. Fuse/fusible link box (P. 8-21)
7. Window washer fluid reservoir (P. 8-16)
8. Engine oil dipstick (P. 8-7)
9. Radiator cap (P. 8-5)
10. Battery (P. 8-17)
11. Engine coolant reservoir (P. 8-5)

*: For Manual Transmission (MT) Model



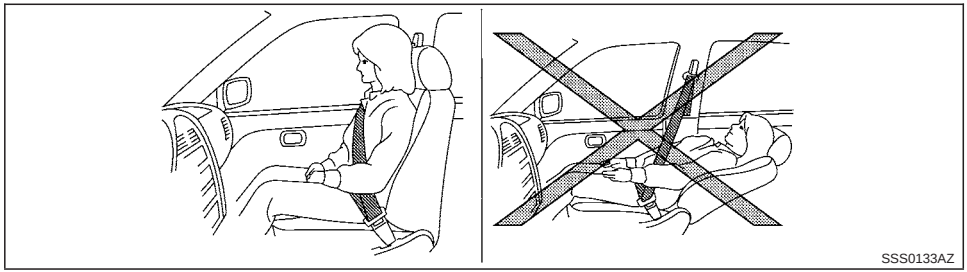
HR12DE ENGINE MODEL

1. Engine drive belts (P. 8-10)
2. Brake and clutch* fluid reservoir (P. 8-13, P. 8-13)
   — Right-Hand Drive (RHD) model
3. Engine oil filler cap (P. 8-7)
4. Air cleaner (P. 8-15)
5. Brake and clutch* fluid reservoir (P. 8-13, P. 8-13)
   — Left-Hand Drive (LHD) model
6. Fuse/fusible link box (P. 8-21)
7. Window washer fluid reservoir (P. 8-16)
8. Engine oil dipstick (P. 8-7)
9. Radiator cap (P. 8-5)
10. Battery (P. 8-17)
11. Engine coolant reservoir (P. 8-5)

*: For Manual Transmission (MT) Model

1 Safety — seats, seat belts and supplemental restraint system

Seats 1-2
Front seats 1-2
Rear seats 1-4
Armrest (where fitted) 1-5
Head restraints 1-5
Adjustable head restraint components 1-6
Non-adjustable head restraint components 1-6
Remove 1-6
Install 1-6
Adjust 1-7
Seat belts 1-8
Precautions on seat belt usage 1-8
Child safety 1-9
Pregnant women 1-9
Injured persons 1-9
CENTER mark on seat belts 1-10
Three-point type seat belts 1-10
Two-point type seat belts (where fitted) 1-13
Seat belt maintenance 1-13
Child restraints 1-14
Precautions on child restraint usage 1-14
Universal child restraints for front seat and rear seats 1-15
ISOFIX child restraint system 1-18
Child restraint anchorage 1-19
Child restraint installation using ISOFIX 1-19
Child restraint installation using seat belt 1-22
Supplemental Restraint System (SRS) 1-26
Precautions on Supplemental Restraint System (SRS) 1-26
Supplemental air bag systems 1-30
Pre-tensioner seat belt system 1-32
Repair and replacement procedure 1-33


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WARNING

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

CAUTION

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

FRONT SEATS

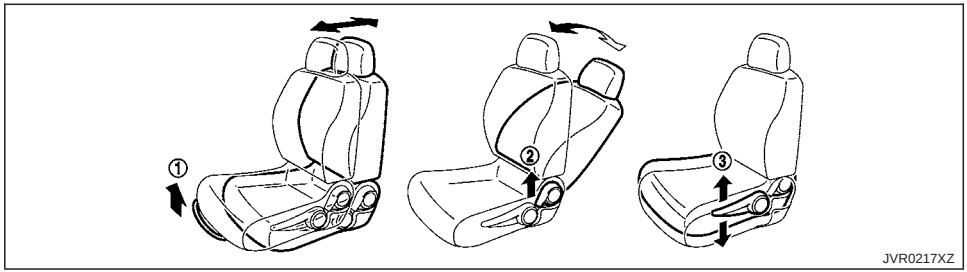
WARNING

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

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

Reclining:

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

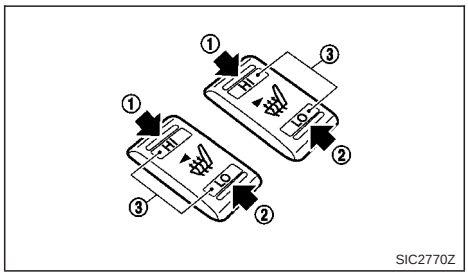
The reclining feature allows the adjustment of the seatback for occupants of different sizes to help obtain the proper seat belt fit. (See “Seat belts” later in this section.)

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

Seat lifter (where fitted):

Pull the adjusting lever ③ up or push it down 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, be sure to turn off the switch(es).

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.**

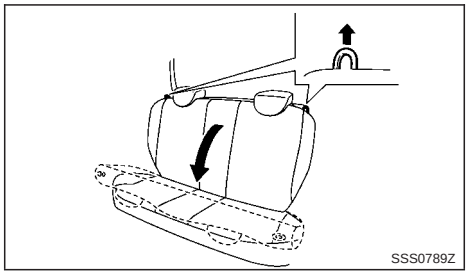
REAR SEATS

Adjustment

WARNING

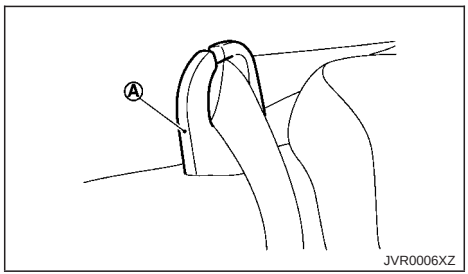
- **Never allow anyone to ride in the luggage area or on the rear seats when they are in the fold-down position. Use of these areas by passengers without proper restraints could result in serious injury or death in an accident or sudden stop.**
- **Do not fold down the rear seats when occupants are in 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.**

Folding (Type A):



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):

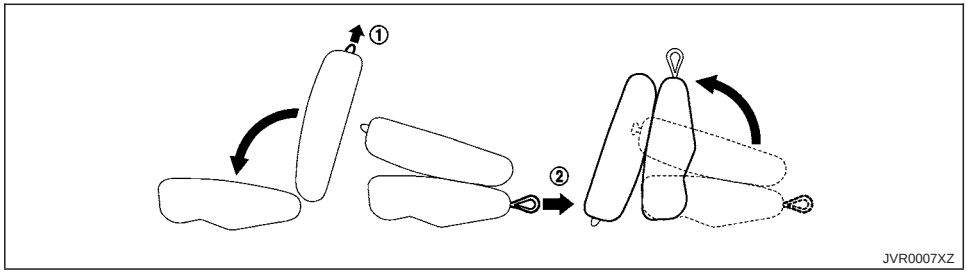


CAUTION

- **Fold down the rear seatback with the seat belt passed through the path Ⓐ 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 Ⓐ, be sure to observe the following items:

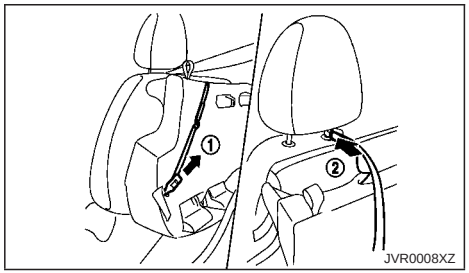
- **After returning the rear seatback to its original position, pass the seat belt through the path Ⓐ.**
- **When operating the seatback, be careful not to scratch or damage the seat belt.**



Folding (Type B):

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

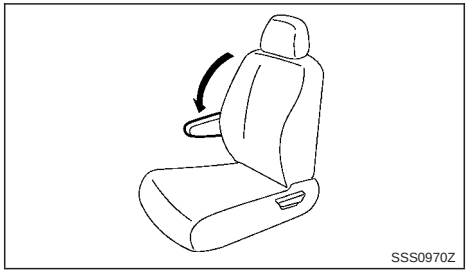
Securing of the folded rear seat (where fitted):



1. Remove the hook ① from the anchor on the underside of the cushion.
2. Secure the hook ② on the stalk as illustrated.

ARMREST (where fitted)

Front



Pull the armrest down until it is horizontal.

WARNING

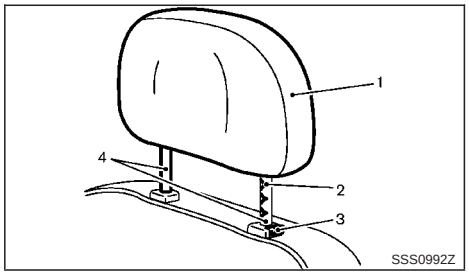
Head restraints supplement the other vehicle safety systems. They may provide additional protection against injury in certain rear end collisions. Adjust the head restraints properly, as specified in this section. Check the adjustment after someone else uses the seat. Do not attach anything to the head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

- Your vehicle is equipped with head restraints that may be integrated, adjustable or non-adjustable.
- Adjustable head restraints have multiple notches along the stalk to lock them in a desired adjustment position.
- The non-adjustable head restraints have a single locking notch to secure them to the seat frame.
- Proper Adjustment:
  - For the adjustable type, align the head restraint so the centre of your ear is approximately level with the centre of the head restraint.

– If your ear position is still higher than the recommended alignment, place the head restraint at the highest position.

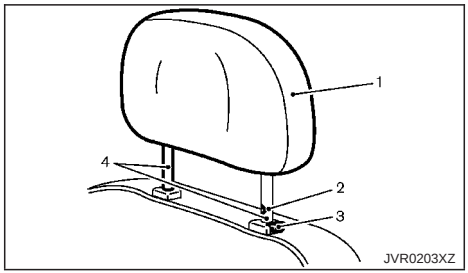
- If the head restraint has been removed, ensure that it is reinstalled and locked in place before riding in that designated seating position.

ADJUSTABLE HEAD RESTRAINT COMPONENTS



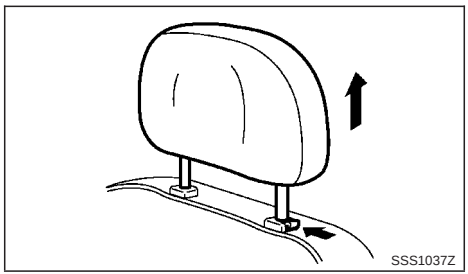
1. Removable head restraint
2. Multiple notches
3. Lock knob
4. Stalks

NON-ADJUSTABLE HEAD RESTRAINT COMPONENTS



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

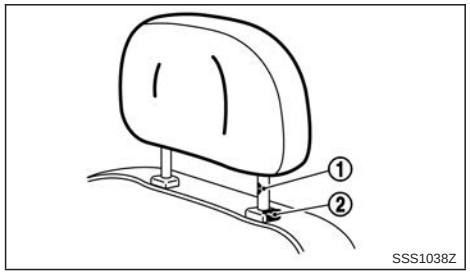
REMOVE



Use the following procedure to remove the head restraint.

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

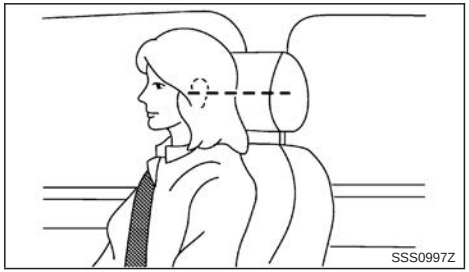
INSTALL



1. Align the head restraint stalks with the holes in the seat. Make sure that the head restraint is facing the correct direction. The stalk with the adjustment notch ① must be installed in the hole with the lock knob ②.
2. Push and hold the lock knob and push the head restraint down.

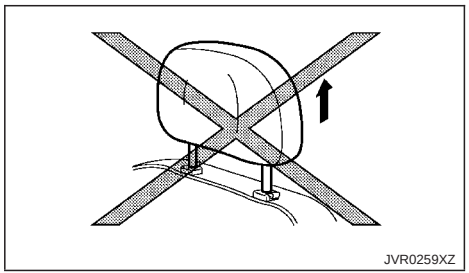
3. Properly adjust the head restraint before an occupant uses the seating position.

ADJUST



For adjustable head restraint

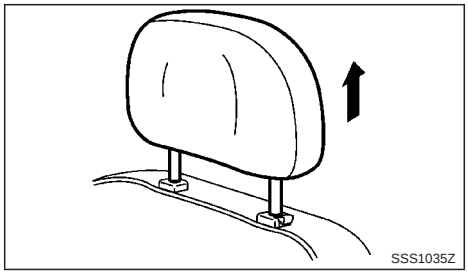
Adjust the head restraint so the centre is level with the centre of your ears. If your ear position is still higher than the recommended alignment, place the head restraint at the highest position.



For non-adjustable head restraint

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

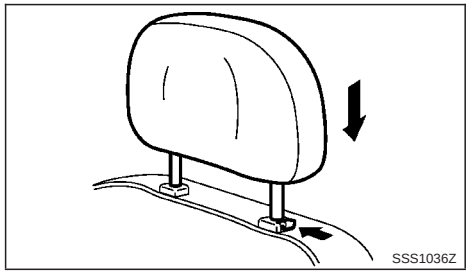
Raise



To raise the head restraint, pull it up.

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

Lower

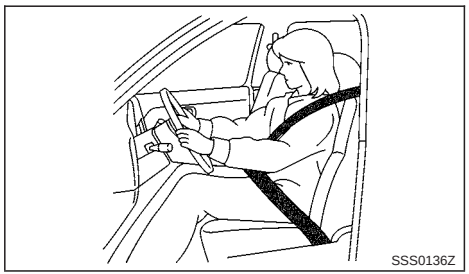


To lower, push and hold the lock knob and push the head restraint down.

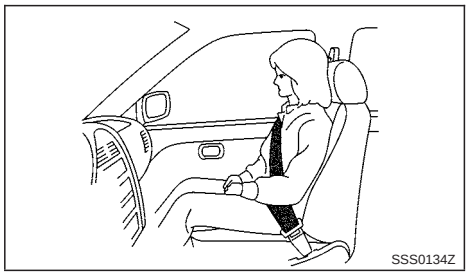
Make sure the head restraint is positioned so the lock knob is engaged in the notch before riding in that designated seating position.

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. Children should be properly restrained in the rear seats and in an appropriate child restraint.**
- **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 colli-**

sion 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.**
- **Once the pre-tensioner seat belt has activated, it cannot be reused. It must be replaced together with the retractor. Contact a NISSAN dealer or qualified workshop.**
- **Removal and installation of the pre-tensioner seat belt system components should be done by a NISSAN dealer or qualified workshop.**

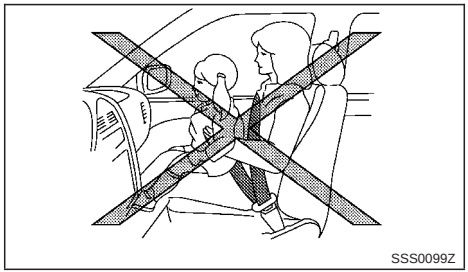
CHILD SAFETY

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


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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 or killed 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

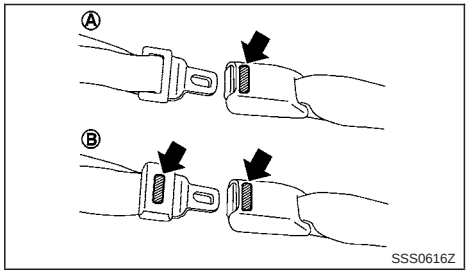
NISSAN recommends that pregnant women use seat belts. The seat belt should be worn snug, and always position the lap belt as low as possible around the hips, not the waist. Place the shoulder belt over your shoulder and across your chest. Never run the lap/shoulder belt over your abdominal area. Contact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

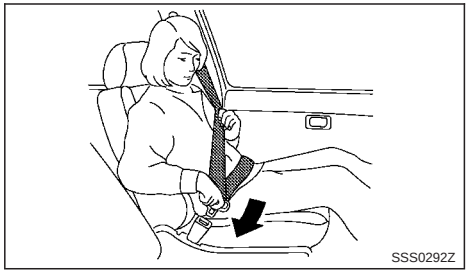
Selecting correct set of seat belts



The centre seat belt buckle Ⓐ or both the 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

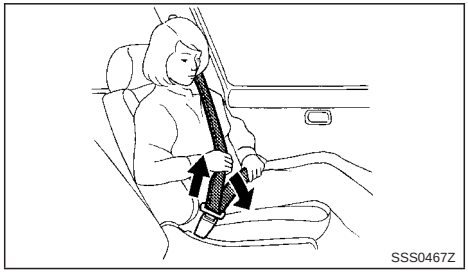


WARNING

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.**
- **If the seat belt cannot be pulled from its fully retracted position, firmly pull the belt and release it. Then smoothly pull the belt out of the retractor.**

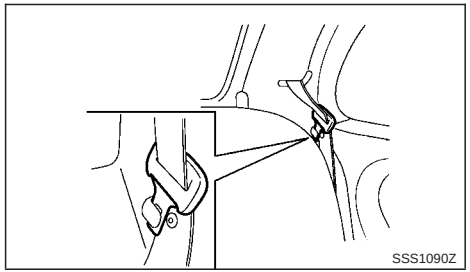


3. Position the lap belt portion low and snug on the hips as shown.
4. Pull the shoulder belt portion toward the retractor to take up extra slack. Be sure the shoulder belt is routed over your shoulder and is snug across your chest.

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 hook. Also, make sure that the seat belt does not get caught in the seatback when folding down the rear seat.

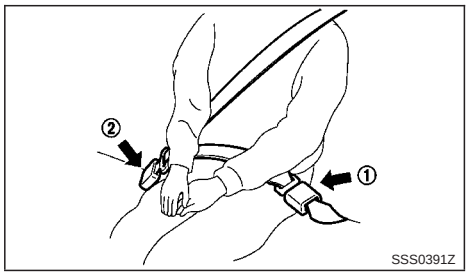
Checking seat belt operation

Seat belt retractors are designed to lock seat belt movement:

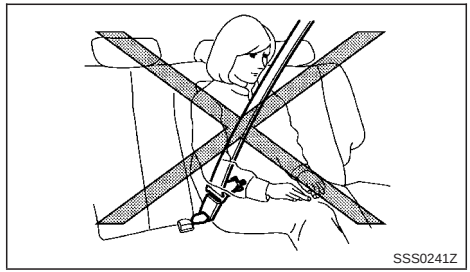
- When the seat belt is pulled quickly from the retractor.
- When the vehicle slows down rapidly.

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

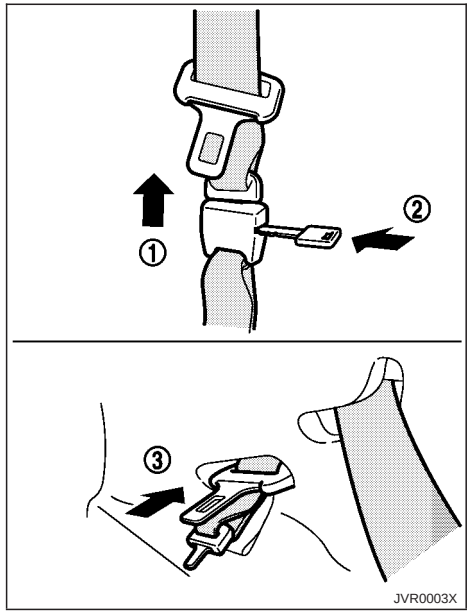


The rear centre seat belt has a connector tongue ① and a seat belt tongue ②. Both the connector tongue and the seat belt tongue must be securely latched for proper seat belt operation.



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.**



Stowing rear centre seat belt (where fitted):

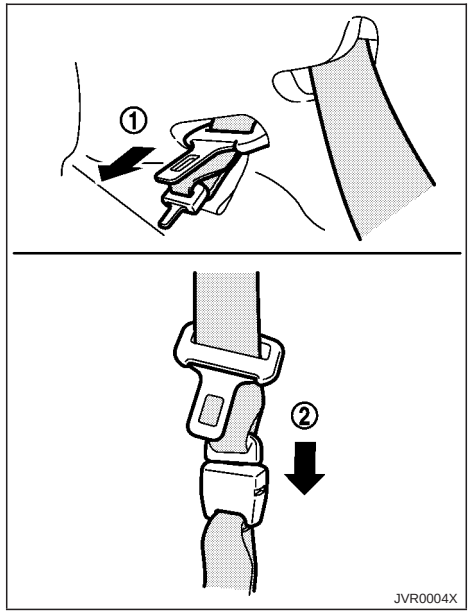
When folding down the rear seat, the rear centre seat belt can be retracted into a stowed position.

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. 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.**



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:

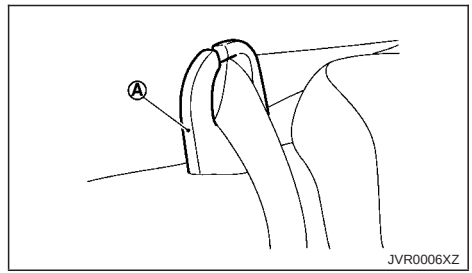
1. Pull the seat belt tongue and connector tongue from the stowed position ①.
2. Pull the seat belt and secure the connector buckle until it clicks ②.

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.**

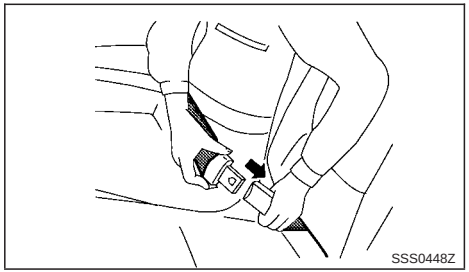


CAUTION

Make sure to wear the rear centre seat belt with the seat belt passing through the path Ⓐ.

TWO-POINT TYPE SEAT BELTS (where fitted)

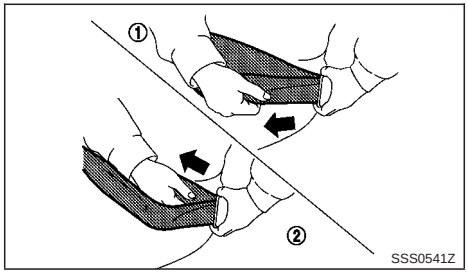
Fastening seat belts



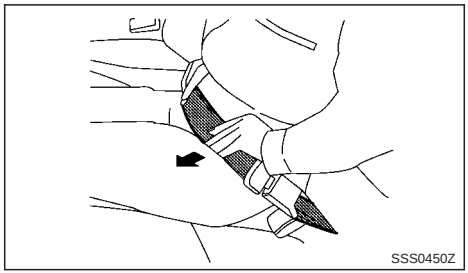
WARNING

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 CENTER until you hear and feel the latch engage.



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



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

Unfastening seat belts

Push the button on the buckle.

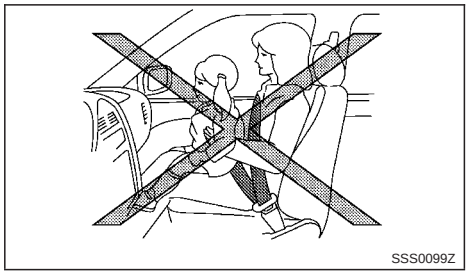
SEAT BELT MAINTENANCE

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

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

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

PRECAUTIONS ON CHILD RESTRAINT USAGE


SSS0099Z

WARNING

- **Infants and small children should never be carried on your lap. It is not possible for even the strongest adult to resist the forces of a severe accident. The child could be crushed between the adult and parts of the vehicle. Also, it is dangerous to put a seat belt around a child being carried on the occupant's lap.**
- **Infants and children need special protection. The vehicle's seat belts may not fit them properly. The shoulder belt may come too close to the face or neck. The lap belt may not fit over their small hip bones. In an accident, an improperly fitting seat belt could cause serious or fatal injury.**
- **Infants and small children should always be placed in an appropriate child restraint system while riding in the vehicle. Failure to use a child restraint system can result in serious injury or death.**
- **Child restraint systems specially designed for infants and small children are available from several manufacturers. When selecting any child restraint systems, place your child in the child restraint system and check the various adjustments to be sure that the child restraint system is compatible with your child. Always follow the manufacturer's instructions for installation and use.**
- **NISSAN recommends that the child restraint system be installed in the rear seat. According to accident statistics, children are safer when properly restrained in the rear seat rather than in the front seat.**
- **Follow all of the child restraint system manufacturer's instructions for installation and use. When purchasing a child restraint system, be sure to select one which will fit your child and vehicle. It may not be possible to properly install some types of child restraint systems in your vehicle.**
- **The direction of the child restraint, either front-facing or rear-facing, depends on the type of the child restraint and the size of the child. Refer to the child restraint manufacturer's instructions for details.**
- **For a front-facing child restraint system, check to make sure the shoulder belt does not fit close to child's face or neck. If it does, put the shoulder belt behind the child restraint system.**
- **Never install a rear-facing child restraint system in the front seat when the front passenger's air bag is available. 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.**

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.

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.

UNIVERSAL CHILD RESTRAINTS FOR FRONT SEAT AND REAR SEATS

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 UN Regulation NO. 44 are clearly marked with the categories such as Universal, Semi-universal or ISOFIX.

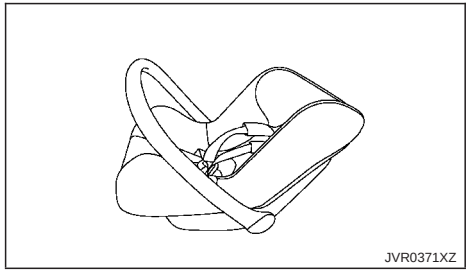
When selecting any child restraint, keep the following points in mind:

- Choose a child restraint that complies with the latest European safety standard, UN Regulation NO. 44.
- 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.

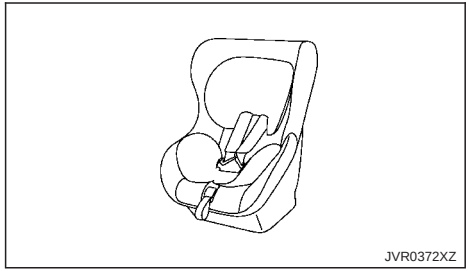
Mass group of child seat

Mass group	Child's weight
Group 0	up to 10 kg
Group 0+	up to 13 kg
Group I	9 to 18 kg
Group II	15 to 25 kg
Group III	22 to 36 kg

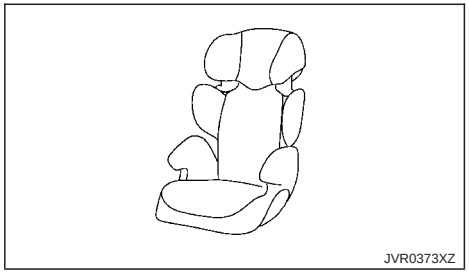
Examples of child seat types:



Child safety seat categories 0 and 0+



Child safety seat categories 0+ and I



Child safety seat categories II and III

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):

			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

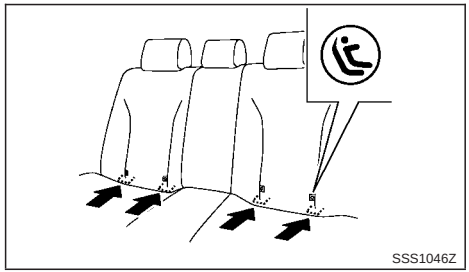
*Front facing: from 2 years only with headrest.

ISOFIX CHILD RESTRAINT SYSTEM

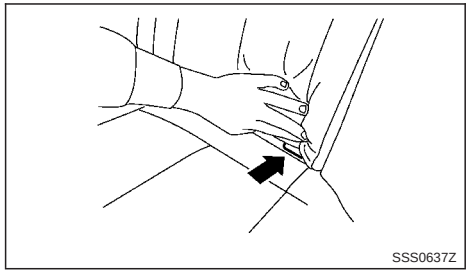
Your vehicle is equipped with special anchor points that are used with ISOFIX child restraint systems.

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.**



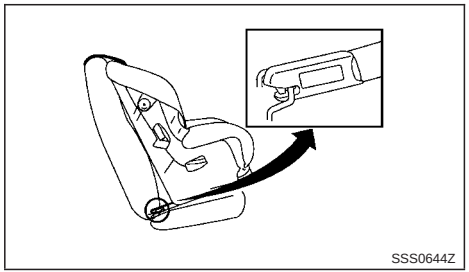
ISOFIX label location



ISOFIX lower anchor location

The ISOFIX anchors are located at the rear of the seat cushion near the seatback. A label is attached to the seatback to help you locate the ISOFIX anchors.

ISOFIX child restraint anchor attachments



Anchor attachment

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

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

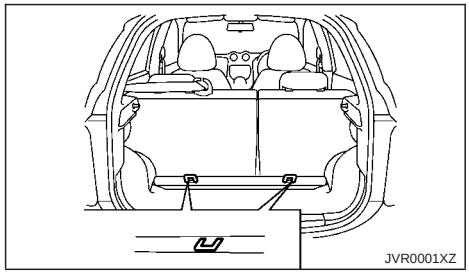
CHILD RESTRAINT ANCHORAGE

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

WARNING

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

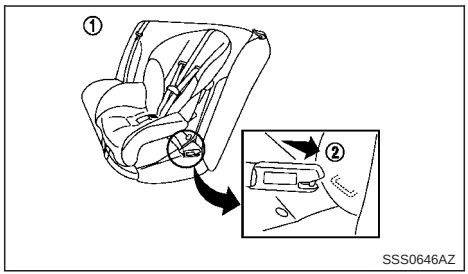
- **Attach ISOFIX child restraints only at the specified locations. For the ISOFIX lower anchor locations, see “ISOFIX child restraint system” earlier in this section. If a child restraint is not secured properly, your child could be seriously injured or killed in an accident.**
- **Do not install child 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 circumstances are they to be used for adult seat belts, harnesses or for attaching other items or equipment to the vehicle. Doing so could damage the child restraint anchorages. The child restraint will not be properly installed using the damaged anchorage, and a child could be seriously injured or killed in a collision.**

Installation on rear outboard seats

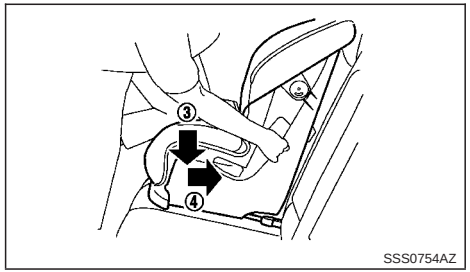
Front-facing:

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



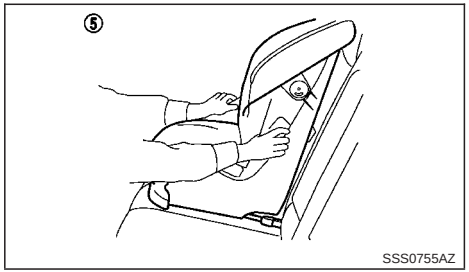
Steps 1 and 2

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 seatback. 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" 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.

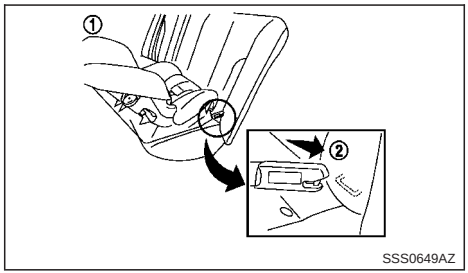


Step 7

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.

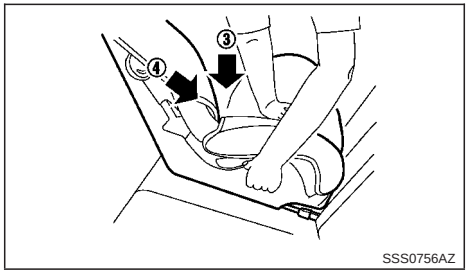
Rear-facing:

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:



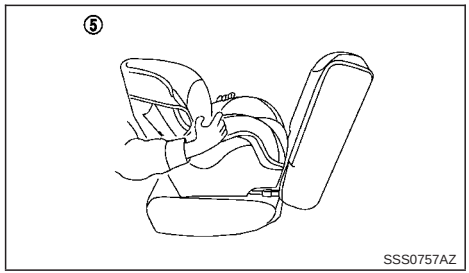
Steps 1 and 2

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" 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.

CHILD RESTRAINT INSTALLATION USING SEAT BELT

Installation on rear outboard seats - seat belts without automatic locking mode

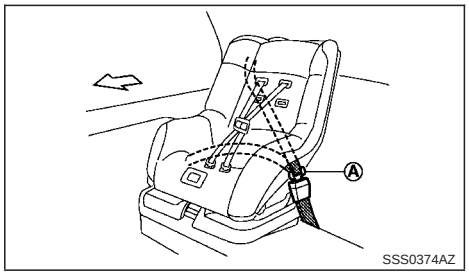
WARNING

- **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:

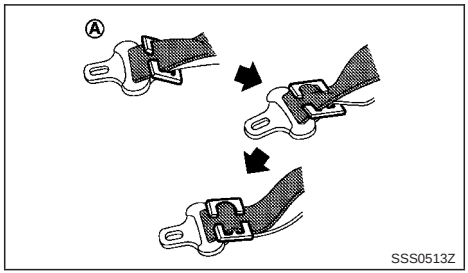


If you must install a front-facing child restraint system on the rear seat, follow these steps:

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.

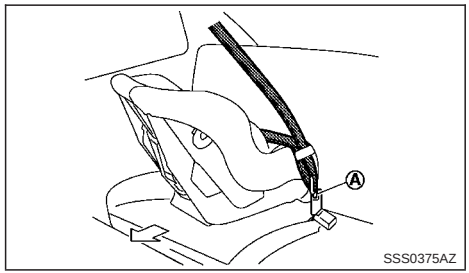


   To prevent slack in the lap belt, it is necessary to secure the shoulder belt in place with a locking clip Ⓐ. Use the locking clip attached to the child restraint system or one which is equivalent in dimension and strength.

   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:

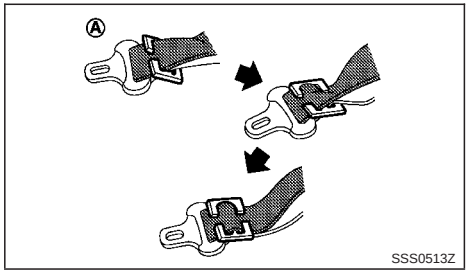


If you must install a rear-facing child restraint system on the rear seat, follow these steps:

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 Ⓐ. 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.

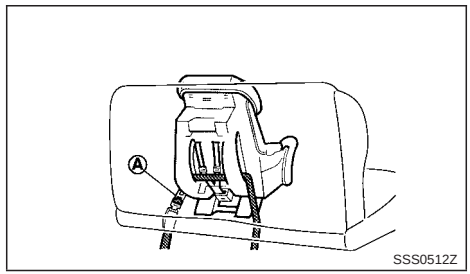
3. Test the child restraint system before you place the child in it. Tilt it from side to side. Try to tug it forward and check if it is held securely in place.
4. Make sure that the child restraint system is properly secured prior to each use.

Installation on rear centre seat (two-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:

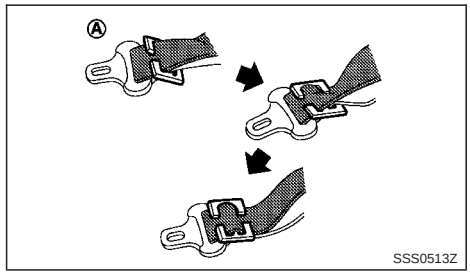


If you must install a front-facing child restraint system on the rear centre seat, follow these steps:

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.

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.



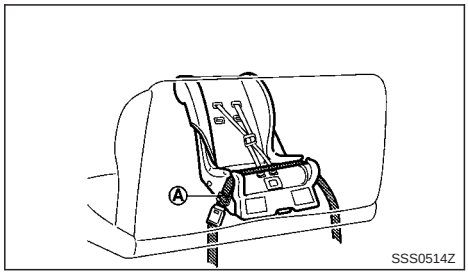
Locking clip

3. To prevent slack in the lap belt, it is necessary to secure the lap belt in place with a locking clip Ⓐ. 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.

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

Rear-facing:

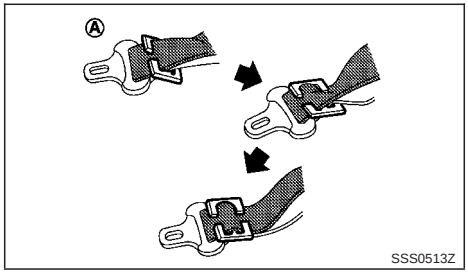


If you must install a rear-facing child restraint system on the rear centre seat, follow these steps:

1. 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.

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.



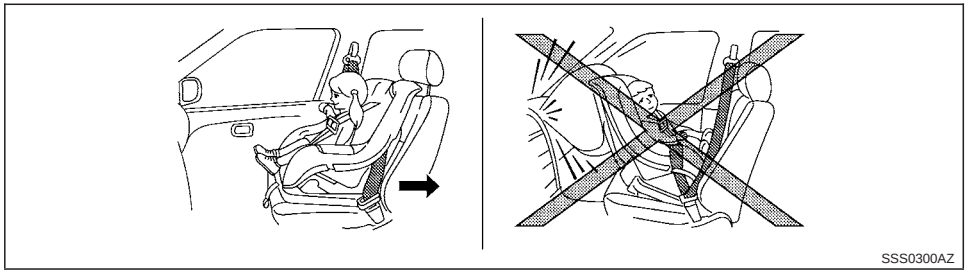
Locking clip

3. To prevent slack in the lap belt, it is necessary to secure the lap belt in place with a locking clip Ⓐ. 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.

4. Test the child restraint system before you place the child in it. Tilt it from side to side. Try to tug it forward and check if it is held securely in place.

5. Make sure that the child restraint system is properly secured prior to each use.

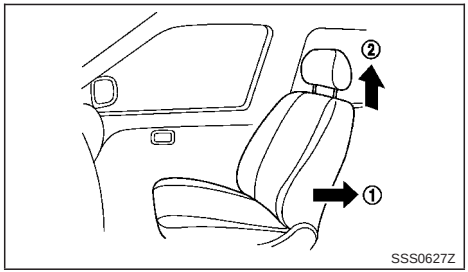

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Installation on front seat - seat belts without automatic locking mode

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:

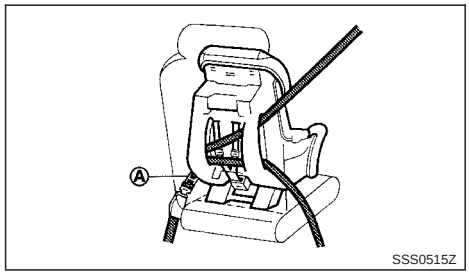


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If you must install a front-facing child restraint system on the front seat, follow these steps:

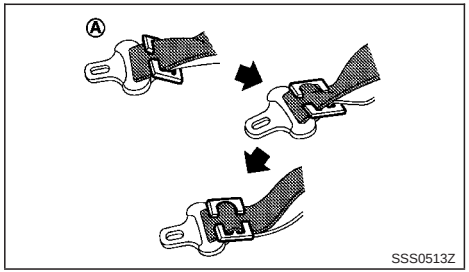
1. Turn off the front passenger's air bag using the front passenger air bag switch. (See "Supplemental air bag systems" later in this section). Place the ignition switch in the "ON" position and make sure that the front air bag status light on the instrument panel illuminates (where fitted).
2. Move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



SSS0515Z

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.



Locking clip

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

   Be sure to follow the child restraint system manufacturer's instructions for belt routing.
7. Slide the seat forward so that the seat belt fully tightens the child restraint system.
8. 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.
9. 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

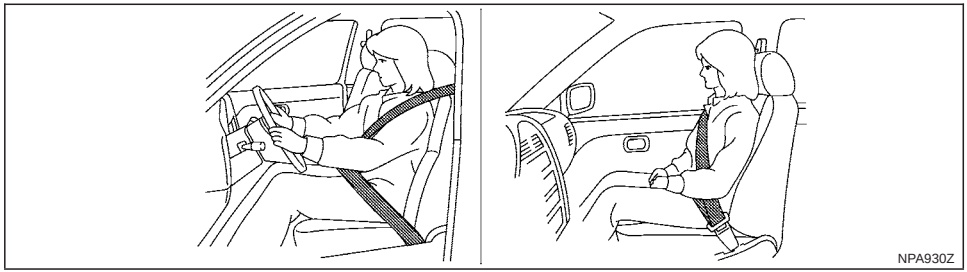
This system can help cushion the impact force to the head of the driver and passengers in front and rear outboard seating positions in certain side-impact collisions. The supplemental curtain side-impact air bag is designed to inflate on the side where the vehicle is impacted.

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.

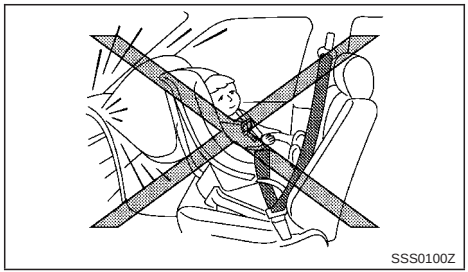
When the ignition switch is in the "ON" position, the SRS air bag warning light illuminates for about 7 seconds and then turns off. This indicates that the SRS is operational. (See "Child restraints" later in this section)



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.**



- **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.**
- **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.)**
- **The supplemental side-impact air bags and supplemental curtain side-impact air bags ordinarily will not inflate in the event of a front impact, rear impact, rollover, or lower severity side collision. Always wear the seat belts to help reduce the risk or severity of injury in accidents.**
- **The seat belts and the supplemental side-impact air bags and supplemental curtain side-impact air bags are most effective when you are sitting well back and upright in the seat. The supplemental side-impact air bags and supplemental curtain side-impact air bags inflate with great force. If you and your passengers are unrestrained, leaning forward, sitting sideways, or out of position in any way, you and your passengers are at greater risk of injury or death in an accident.**
- **Do not allow anyone to place their hands, legs, or face near the supplemental side-impact air bags and supplemental curtain side-impact air bags on the sides of the seatback of the front seats or near the side roof rails. Do not allow anyone sitting in the front seats or rear outboard seats to extend their hands out of the windows or lean against the doors.**

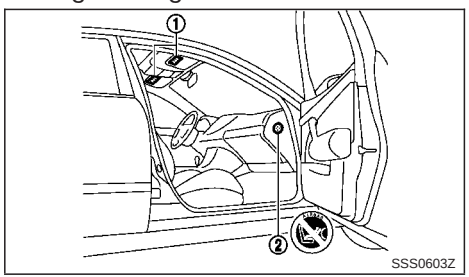
- **When sitting in the rear seats, do not hold onto the seatback of the front seats. If the supplemental side-impact air bags and supplemental curtain side-impact air bags inflate, you may be seriously injured. Be especially careful with children, who should always be properly restrained.**
- **Do not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

Pre-tensioner seat belt system

The pre-tensioner seat belt system 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" later in this section.)

Air bag warning label



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

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

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

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

Type A:



Air bag warning label (sample)

The label ① design varies depending on the model.

The label warns:

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

Type B:



Air bag warning label

The label ① warns:

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

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



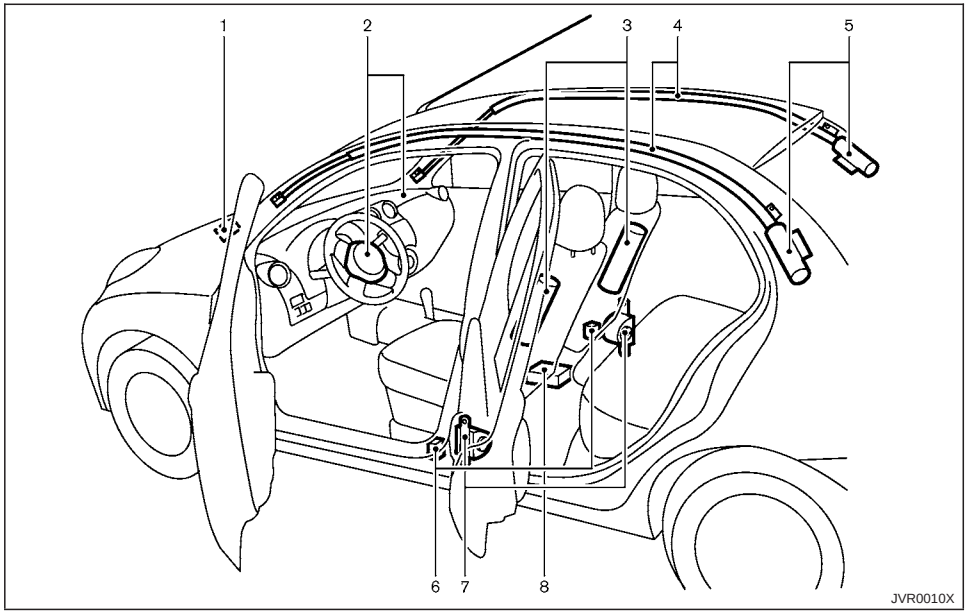
The SRS air bag warning light, displaying in the instrument panel, monitors the circuits for the air bag systems, pre-tensioners and all related wiring.

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 and/or pre-tensioner seat belt systems need servicing:

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

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



SUPPLEMENTAL AIR BAG SYSTEMS

1. Crash zone sensor
2. Supplemental front-impact air bag modules
3. Supplemental side-impact air bag modules
4. Supplemental curtain side-impact air bag modules
5. Supplemental curtain side-impact air bag inflators
6. Satellite sensors
7. Pre-tensioner seat belt retractors
8. Supplemental air bag diagnosis sensor unit

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.**

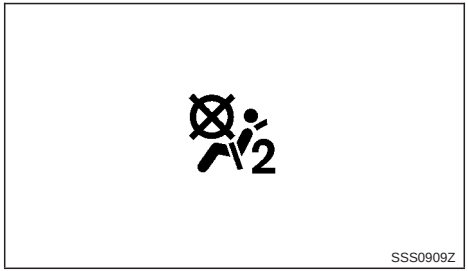
When the air bags inflate, a fairly loud noise may be heard, followed by the release of smoke. This smoke is not harmful and does not indicate a fire. Care should be taken not to inhale it, as it may cause irritation and choking. Those with a history of a breathing condition should get fresh air promptly.

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):



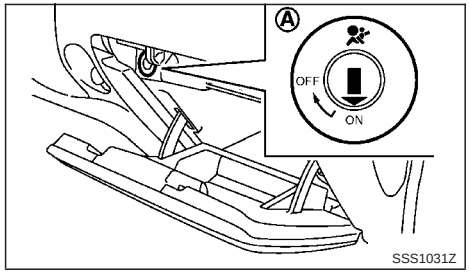
The front passenger air bag status light is located in the instrument panel.

When the ignition switch is placed in the "ON" position, the front passenger air bag status light illuminates for about 7 seconds and then turns off or remains on depending on the front passenger air bag status.

- When the ignition switch is placed in the "ON" position and the front passenger air bag is active, the front passenger air bag status light will turn off after approximately 7 seconds.
- 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.

If the front passenger air bag status light operates in a way other than described above, the front passenger air bag may not function properly. Have the system checked, and if necessary repaired by a NISSAN dealer or qualified workshop promptly.

Front passenger air bag switch:



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

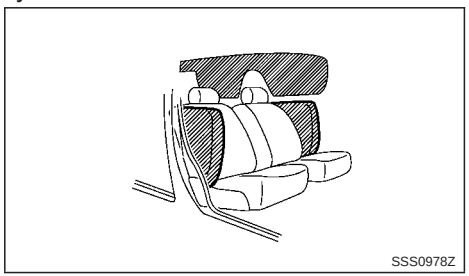
To turn off the front passenger air bag:

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

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

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
Speedometer and odometer 2-2
Trip computer (for Type A and B) 2-2
Tachometer (where fitted) 2-3
Fuel gauge 2-3
Automatic Transmission (AT)/Continuously Variable Transmission (CVT) position indicator (where fitted) 2-4
Shift lever indicator (where fitted) 2-4
Engine start operation indicator (where fitted) 2-5
Warning/indicator lights and audible reminders 2-6
Checking lights 2-7
Warning lights 2-7
Indicator lights 2-11
Audible reminders 2-13
Vehicle information display (where fitted) 2-15
Indicators for operation 2-16
Warnings and alerts 2-18
Indicators for birthday and anniversary 2-19
Indicators for maintenance 2-20
Indicators for Stop/Start System (where fitted) 2-20
Trip computer (For Type C) 2-21
Stop/Start System (CO_2 savings) (where fitted) 2-24
Headlight and turn signal switch 2-25
Headlight switch 2-25
Battery saver system 2-26
Headlight aiming control (where fitted) 2-26
Turn signal switch 2-27
Fog light switch (where fitted) 2-28
Front fog lights (where fitted) 2-28
Rear fog light 2-28
Wiper and washer switch 2-29
Windscreen wiper and washer switch 2-29
Rain-sensing auto wiper system (where fitted) 2-30
Rear window wiper and washer switch 2-31
Defogger switch 2-31
Horn 2-32
Windows 2-32
Manual windows (where fitted) 2-32
Power windows (where fitted) 2-32
Sunshade (where fitted) 2-34
Clock 2-35
Adjusting time 2-35
Power outlets (where fitted) 2-35
Storage 2-36
Glove box 2-36
Upper instrument box (where fitted) 2-36
Card holder (where fitted) 2-36
Cup holders 2-37
Tonneau board (where fitted) 2-37
Sun visors 2-38
Interior lights 2-38
Room light 2-38
Front map lights (where fitted) 2-38

NOTE

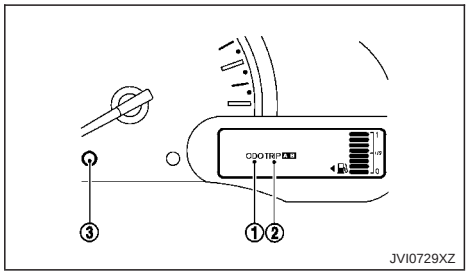
For an overview see “Instrument panel” in the “0. Illustrated table of contents” section, and “Meters and gauges” in the “0. Illustrated table of contents” section

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:

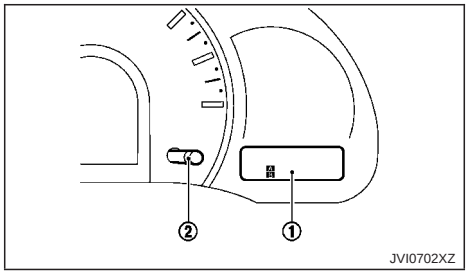
ODO → TRIP A → TRIP B → Trip computer mode → ODO

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 A and B)” later in this section.

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 ① displays the distance of individual trips.

Changing twin trip odometer display:

Push the reset switch ②to change the display as follows:

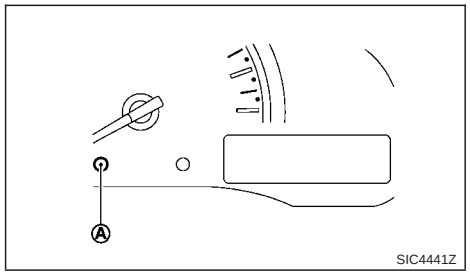
ODO →TRIP A → TRIP B → ODO

Resetting twin trip odometer:

Push the reset switch ② 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 Ⓐ.

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

ODO → (TRIP A → TRIP B) → Current fuel consumption → Average fuel consumption → Distance to empty (dte) → Outside air temperature (where fitted)

Current fuel consumption (l/100 km, km/l or mpg)

The current fuel consumption mode shows the current fuel consumption.

Average fuel consumption (l/100 km/l 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 Ⓐ for longer than 1 second.

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

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 Ⓐ to return to the mode that was selected before the warning occurred.

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

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

Outside air temperature (where fitted)

The outside air temperature is displayed in °C.

When the outside air temperature becomes 3°C (37°F) or lower, the unit symbol "°C" of the display blinks to give a warning.

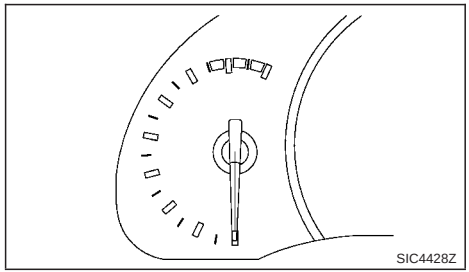
The unit symbol of the display will stop blinking after 1 minute or when the outside air temperature becomes 4°C (39°F) or above.

Resetting displays

When the average fuel consumption or TRIP B is displayed, push the trip computer mode switch Ⓐ 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).

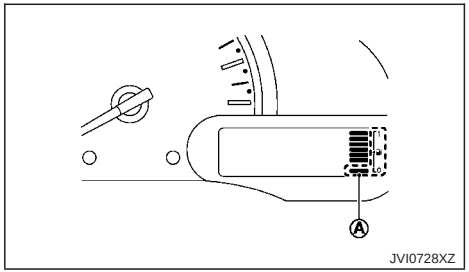
Do not rev the engine into the red zone.

FUEL GAUGE

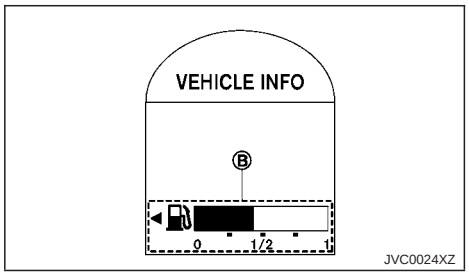
The arrow, ◀⛽, indicates the fuel-filler lid is located on the left side of the vehicle.

CAUTION

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



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 fuel gauge Ⓐ and the low fuel warning light in the meter (where fitted) 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 Ⓑ 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.

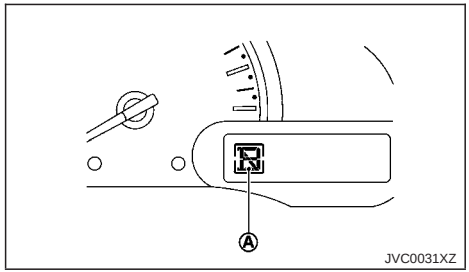
The low fuel warning light in the meter illuminates when the fuel level in the tank is getting low. Refuel as soon as it is convenient, before the gauge reads 0.

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.

AUTOMATIC TRANSMISSION (AT)/CONTINUOUSLY VARIABLE TRANSMISSION (CVT) POSITION INDICATOR (where fitted)



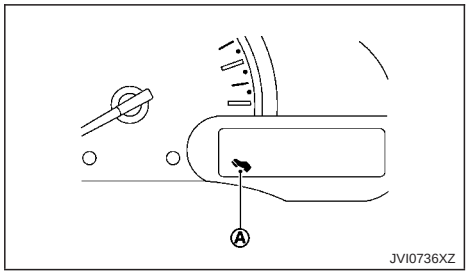
Example

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

SHIFT LEVER INDICATOR (where fitted)

The indicator appears when upshifting or downshifting is recommended. The up or down arrow indicates the recommended shifting. See “Shift lever indicator (where fitted)” in the “5. Starting and driving” section).

ENGINE START OPERATION INDICATOR (where fitted)



Example

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

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

CHECKING LIGHTS

With all doors closed, apply the parking brake, fasten the seat belts and place the ignition switch in the "ON" position without starting the engine. The following lights (where fitted) will illuminate: , , , , **PS** .

The following lights (where fitted) will illuminate briefly and then turn off:

, SPORT, O/D OFF, KEY , , , (red), , OFF, .

If any lights fail to illuminate or operate in a way other than described, it may indicate a burned-out bulb and/or a system malfunction. Have the system checked, and if necessary repaired, by a NISSAN dealer 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.

If the parking brake is not fully released, the brake warning light remains on. Be sure that the brake warning light has turned off before driving. (See "Parking brake" in the "3. Pre-driving checks and adjustments" section.)

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 func-

tioning 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 correctly 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” 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 or switch 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.)**



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. (For the immediate action required, see "Engine overheat" in the "6. In case of emergency" 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:

- Models without vehicle information display:

  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.

- Models without vehicle information display:

  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.



Low fuel warning light (where fitted)

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



Low tyre pressure/Tyre Pressure Monitoring System (TPMS) malfunction warning light (where fitted)

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

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

The Tyre Pressure Monitoring System (TPMS) monitors the tyre pressure of all tyres except the spare.

Low tyre pressure warning:

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

When the low tyre pressure warning light illuminates, you should stop and adjust the tyre pressure to the recommended COLD tyre pressure shown on the tyre placard. Use a tyre pressure gauge to check the tyre pressure. The low tyre pressure warning light may not automatically turn off when the tyre pressure is adjusted. After the tyre is inflated to the recommended pressure, reset the tyre pressures registered in your vehicle and then drive the vehicle at speeds above 25 km/h (16 MPH). These operations are required to activate the TPMS and turn off the low tyre pressure warning light.

Depending on a change in the outside temperature, the low tyre pressure warning light may illuminate even if the tyre pressure has been adjusted properly. Adjust the tyre pressure to the recommended COLD tyre pressure again when the tyres are cold, and reset the TPMS.

If the low tyre pressure warning light still continues to illuminate after the resetting operation, it may indicate that the TPMS is not functioning properly. Have the system checked by a NISSAN dealer or qualified workshop.

For additional information, see "Tyre Pressure Monitoring System (TPMS) (where fitted)" in the "5. Starting and driving" section.

TPMS malfunction:

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

For additional information, see “Tyre Pressure Monitoring System (TPMS) (where fitted)” in the “5. Starting and driving” section.

WARNING

- **If the light does not illuminate with the ignition switch placed in the “ON” position, have the vehicle checked by a NISSAN dealer as soon as possible.**
- **If the light illuminates while driving, avoid sudden steering manoeuvres or abrupt braking, reduce vehicle speed, pull off the road to a safe location and stop the vehicle as soon as possible. Driving with under-inflated tyres may permanently damage the tyres and increase the likelihood of tyre failure. Serious vehicle damage could occur and may lead to an accident and could result in serious personal injury. Check the tyre pressure for all four tyres. Adjust the tyre pressure to the recommended COLD tyre pressure shown on the tyre placard to turn the low tyre pressure warning light off. If you have a flat tyre, replace it with a spare tyre as soon as possible.**
- **After adjusting the tyre pressure, be sure to reset the TPMS. Otherwise, the TPMS will not warn of low tyre pressure.**
- **When a spare tyre is mounted or a wheel is replaced, the TPMS will not function and the low tyre pressure warning light will flash for approximately 1 minute. The light will remain on after the 1 minute. Contact your NISSAN dealer or qualified workshop as soon as possible for tyre replacement and/or system resetting.**
- **Replacing tyres with those not originally specified by NISSAN could affect the proper operation of the TPMS.**

CAUTION

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



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.

- Seat belt warning
- 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.)



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 shift lever in any position except the “P” (Park) position.

If this warning appears, move the shift lever to the “P” (Park) position or push the ignition switch to the “ON” position.

An inside warning chime will also sound.

(See “Intelligent Key system (where fitted)” in the “3. Pre-driving checks and adjustments” section.)



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 driver’s 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 and/or pre-tensioner seat belt 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 and/or pre-tensioner seat belt may not function properly. (See “Supplemental Restraint System (SRS)” in the “1. Safety — seats, seat belts and supplemental restraint system” 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)

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

The 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” 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 in the instrument panel will illuminate when the front passenger air bag is turned off with the front pas-

senger 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)



Low beam indicator light (where fitted)

The low beam indicator light illuminates when the headlight low beam is “ON”. The indicator turns off when either the ≡D◻≡ position or the high 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 (where fitted) 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 or qualified workshop.

Malfunction Indicator Light (MIL) blinking (where fitted):

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.

Precautions:

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

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

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.**



Overdrive off indicator light (where fitted)

The overdrive off indicator light illuminates when the overdrive is turned OFF. (For the use of the overdrive off switch, see “Overdrive switch” in the “5. Starting and driving” section.)



Rear fog light indicator light (where fitted)

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 security system equipped on the vehicle is operational.

(* immobilizer)

If the security system is malfunctioning, this light will remain on while the ignition switch is in the “ON” position. (For additional information, see “Security system (where fitted)” in the “3. Pre-driving checks and adjustments” section.)

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” 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 mode indicator light (where fitted)

The SPORT mode indicator light illuminates when the SPORT mode is turned “ON”. (For the use of the SPORT mode switch, see “Driving with Continuously Variable Transmission (CVT)” in the “5. Starting and driving” section.)

Stop/Start System indicator light (where fitted)

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

The Stop/Start System indicator light blinks rapidly, when the engine bonnet is open (for CVT model).

The Stop/Start System indicator light blinks slowly, when the Stop/Start System is malfunctioning.

NOTE

- **When the Stop/Start System indicator light blinks at a high speed (twice approximately every 1 second), be sure to close the engine bonnet. When the engine bonnet is open the engine will be in the normal stopped state. In this case, restart the engine with the ignition switch (for CVT model).**
- **When the Stop/Start System indicator light blinks at a low speed (once approximately every 1 second), have the system checked, and if necessary repaired, by a NISSAN dealer or qualified workshop promptly.**

For more information, see “Stop/Start System (where fitted)” in the “5. Starting and driving” section.

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” in the “6. In case of emergency” 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.)

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.

Stop/Start System reminder buzzer (where fitted)

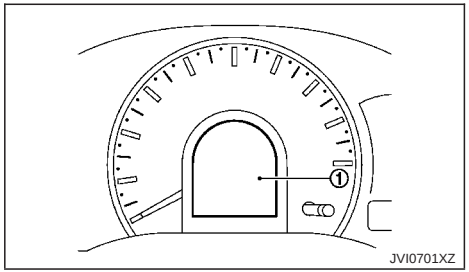
The Stop/Start System reminder buzzer will sound if the engine bonnet is opened (for CVT and MT models) or the driver’s door is opened, or the driver’s seat belt is unfastened (for MT models) while the Stop/Start System is activated.

NOTE

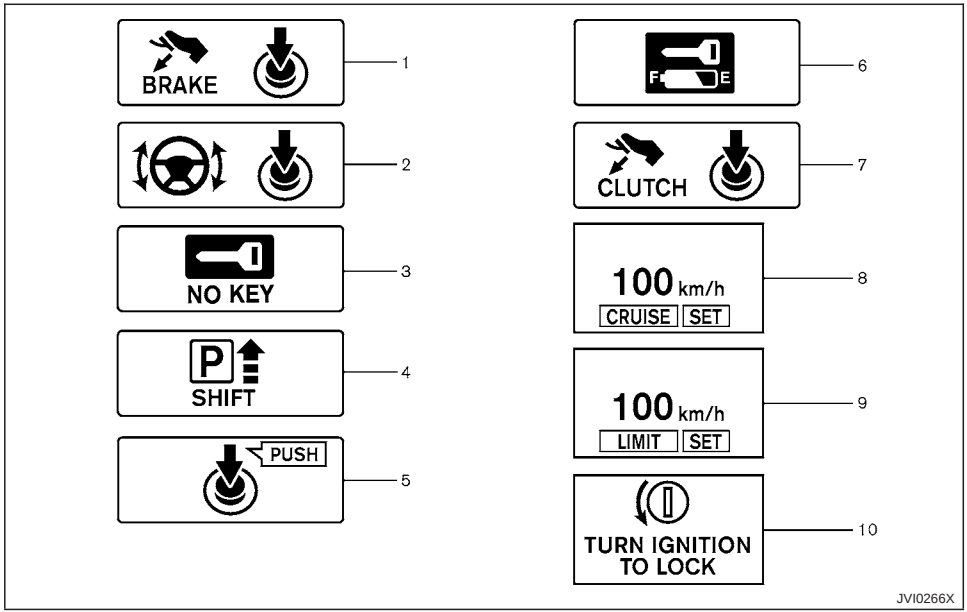
- **Be sure to close the engine bonnet. When the engine bonnet is open, the engine will be in the normal stopped state. In this case, restart the engine with the ignition switch (for CVT and MT models).**
- **Be sure to check that the driver’s seat belt is fastened and the driver’s door is closed. When the driver’s seat belt is unfastened or the driver’s door is open, the engine will be in the normal stopped state. In this case, restart the engine with the ignition switch (for MT model).**

For more information, see “Stop/Start System (where fitted)” in the “2. Starting and driving” section.

VEHICLE INFORMATION DISPLAY
(where fitted)



The vehicle information display ① displays the warnings and information.



INDICATORS FOR OPERATION

1. Engine start operation indicator (AT/CVT model)

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

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

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.

For more details, see “Intelligent Key system (where fitted)” in the “3. Pre-driving checks and adjustments” section.

4. [SHIFT P] warning (AT/CVT model)

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

If this warning appears, move the shift lever to the P (Park) position or 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 (AT/CVT model)

This warning appears when the shift 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 shift 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 (where fitted)

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 (where fitted)

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.

10. Mechanical Key LOCK warning (where fitted)

The warning appears when the ignition switch is left in the “ACC” or “OFF” position instead of completely being turned to the “LOCK” position.

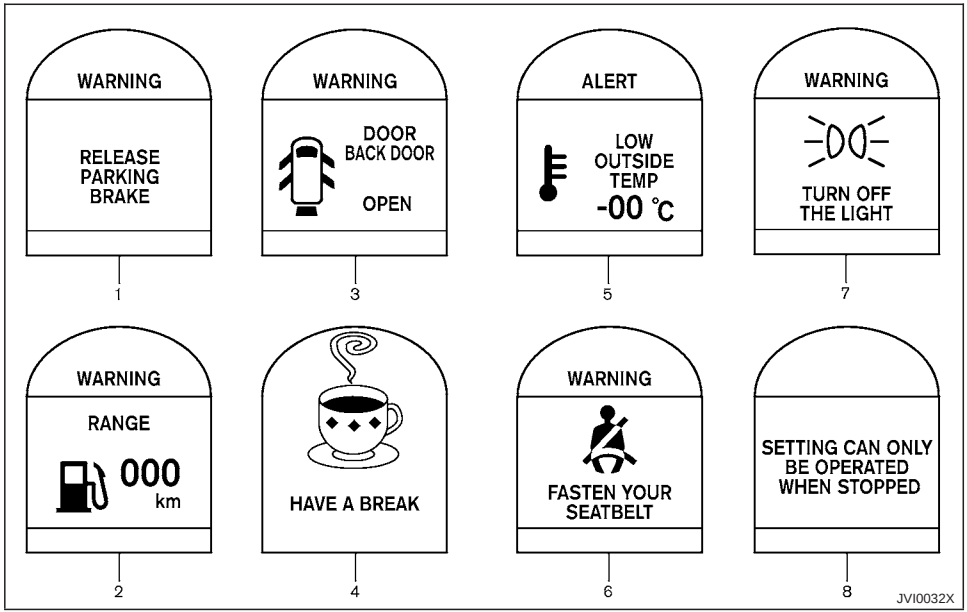
If this warning appears, turn the ignition switch to the “LOCK” position.

When the ignition switch is in the “ON” position, a buzzer will sound twice and the Mechanical Key LOCK warning shows when the ignition switch is turned to the “ACC” or “OFF” position. This is to warn the driver that the ignition switch is not in the “LOCK” position. Make sure the shift lever is in the “P” (Park) position (for CVT model) or the shift lever is in the “N” (Neutral) position (for MT model) and then turn the ignition switch to the “LOCK” position.

CAUTION

- **The steering wheel can only be locked when the ignition switch is in the “LOCK” position (where fitted). Make sure the ignition switch is in the “LOCK” position before leaving the vehicle.**
- **The mechanical key can only be removed at the “LOCK” position. Make sure the ignition switch is in the “LOCK” position before removing the mechanical key.**

For further details, see “Ignition switch (Models without intelligent Key system)” 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 (37°F) 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.)

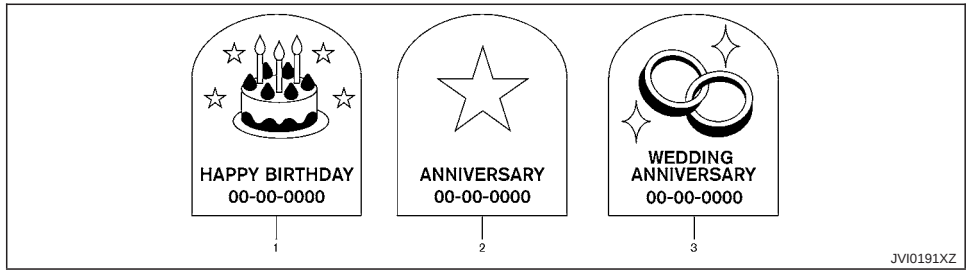
When the vehicle speed exceeds 15 km/h (10 MPH), the light will blink and the chime will sound unless the front seat belt is securely fastened. The chime will continue to sound for about 90 seconds until the seat belt is fastened.

7. Small light indicator warning

The small light indicator warning illuminates when the front side lights, instrument panel lights, rear combination lights and number plate lights are on. The indicator warning turns off when the ⊐D⊏ 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 BIRTHDAY AND ANNIVERSARY

1. Birthday message

This indicator appears when the set time comes. You can adjust the date of the message. (See “Trip computer (For Type C)” later in this section.)

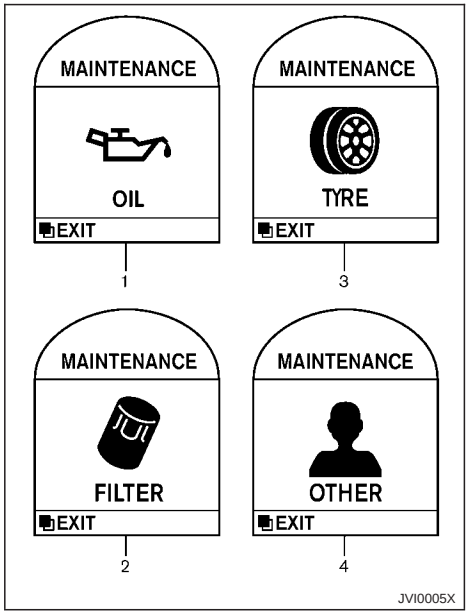
2. Anniversary message

This indicator appears when the set time comes. You can adjust the date of the message. (See “Trip computer (For Type C)” later in this section.)

3. Wedding anniversary message

This indicator appears when the set time comes. You can adjust the date of the message. (See “Trip computer (For Type C)” later in this section.)

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.)

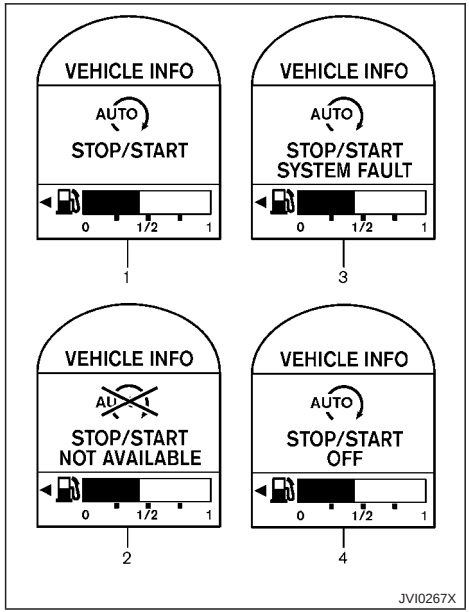
3. [TYRE] replacement indicator

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.)

INDICATORS FOR STOP/START SYSTEM (where fitted)



1. Engine stop

If the engine stops when the Stop/Start System is activated, the message is shown.

2. Auto start deactivation

If the engine stops when the Stop/Start System is activated, and will not start automatically, the message is shown.

3. System fault

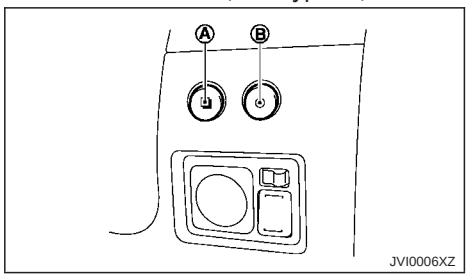
If the Stop/Start System is activated, but does not operate correctly, the message is shown. Visit a NISSAN dealer or qualified workshop.

4. Stop/Start System

If the Stop/Start System is deactivated using the Stop/Start System OFF switch, the message is shown.

If the Stop/Start System is activated using the Stop/Start System OFF switch, the [STOP/START ON] message is shown.

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.

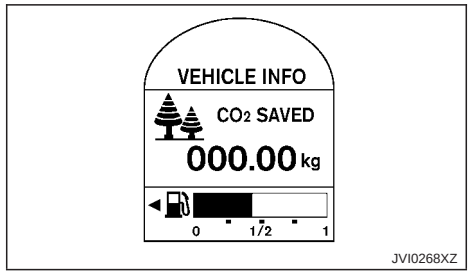
Ⓐ ENTER switch
Ⓑ NEXT switch

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:

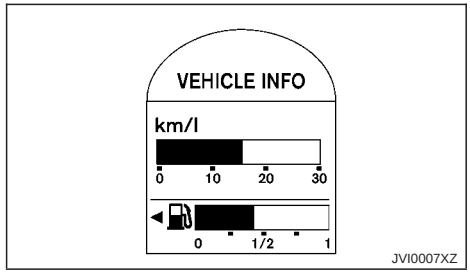
CO2 saved (where fitted) → Current fuel consumption → Average fuel consumption and speed → Elapsed time and trip odometer (where fitted) → Distance to empty → Outside air temperature (where fitted) → Setting → Warning check

CO2 saved (where fitted)



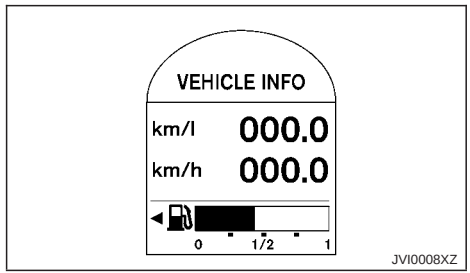
The CO2 saved mode shows the estimated quantity of CO2 exhaust emissions prevented by the Stop/Start System every time the engine is automatically stopped. For more information, see “Stop/Start System (where fitted)” in the “5. Starting and driving” section.

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.)

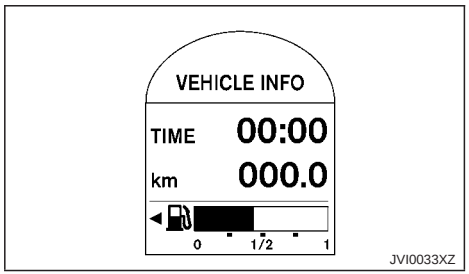
The display is updated every 30 seconds. At about the first 500 m after a reset, the display shows "——".

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)



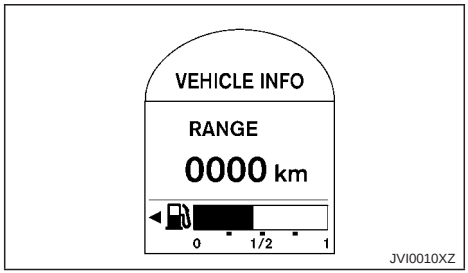
Elapsed time:

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

Distance to empty (km or MILES)



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.

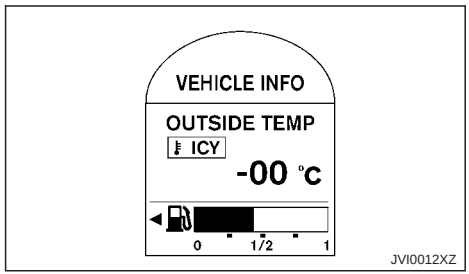
The display is updated every 30 seconds.

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)

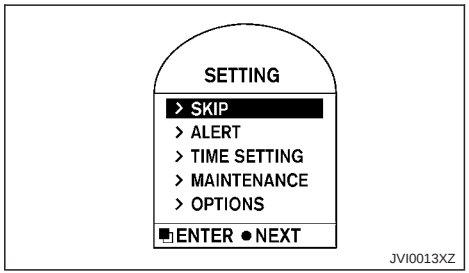


The outside air temperature is displayed in °C in the range of –30 to 60°C.

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

[SKIP]:

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

Push the switch Ⓑ 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):

- [CURRENT TIME]

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

[TIME SETTING] (Birthday and Anniversary):

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.

  Select the display image to set the desired display image of the Anniversary message.

- [WEDDING DAY]

  Select this submenu to adjust the date of the wedding day 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 the display language.

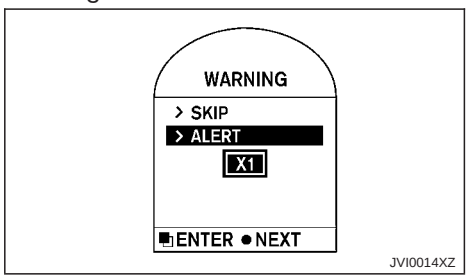
- [STOP/START] (where fitted)

  Select this submenu to choose the [CO2 savings] or the engine stop time using the Stop/Start System.

  (See “Stop/Start System (where fitted)” in the “5. Starting and driving” section.)

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

Warning check



JVI0014XZ

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

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

[SKIP]:

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

Push the ● switch Ⓑ to select other menus.

[ALERT]:

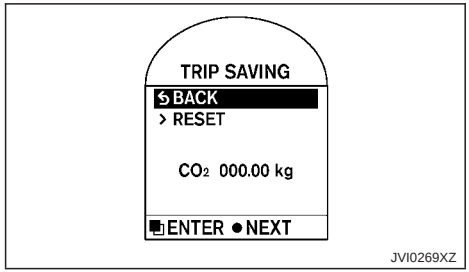
This item is available only when a warning is displayed.

Select this menu to see the details of warnings.

Resetting displays

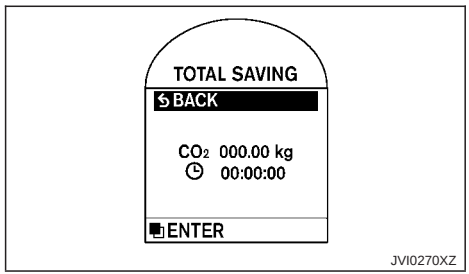
When the average fuel consumption, average speed, or elapsed time is displayed, push the trip computer mode switch Ⓐ for longer than 3 seconds. The display of average fuel consumption, average speed, elapsed time, trip odometer, accumulated time (for Stop/Start System) and current saved fuel consumption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

STOP/START SYSTEM (CO2 savings) (where fitted)



JVI0269XZ

Type A



JVI0270XZ

Type B

The CO2 savings and the engine stop time (for Type B) using the Stop/Start System are kept in a submenu.

Trip Saving (Type A)

The Trip Saving mode shows the estimated CO2 exhaust emissions prevented since last reset.

It is possible to reset using the [RESET] submenu then push the switch Ⓐ to set to zero.

NOTE

The [Trip Saving] value is the same information that is displayed when the engine is automatically stopped by the Stop/Start System.

Total Saving (Type B)

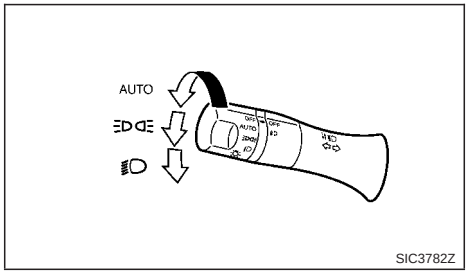
The Total Saving mode shows:

- The estimated CO2 exhaust emissions prevented.
- The time that the engine has been stopped by the Stop/Start System.

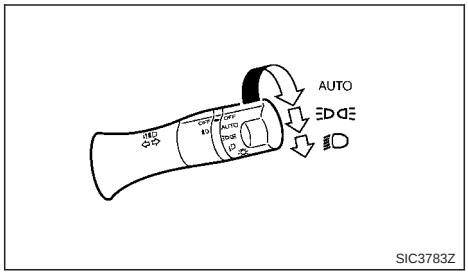
NOTE

The [Total Saving] values cannot be reset and show accumulated Stop/Start System information since the vehicle was built.

HEADLIGHT SWITCH



Type A



Type B

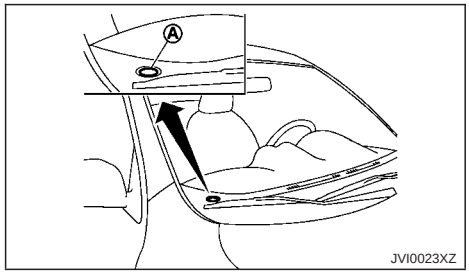
NISSAN recommends that you consult the local regulations concerning the use of lights.

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.

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

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 Ⓐ. 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.

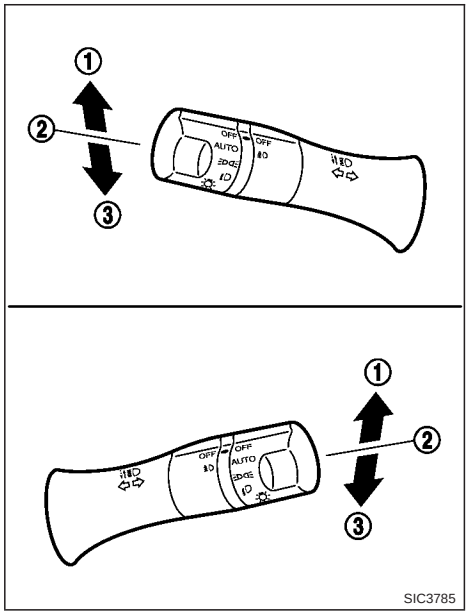
position

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.

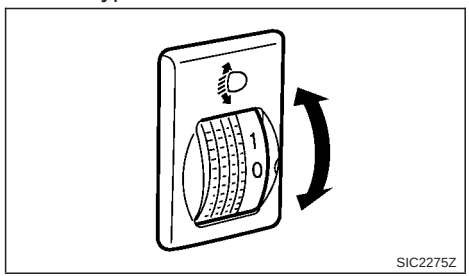
When the headlight switch remains in either the or position after the lights automatically turn off, the lights will turn on when the engine is started.

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.

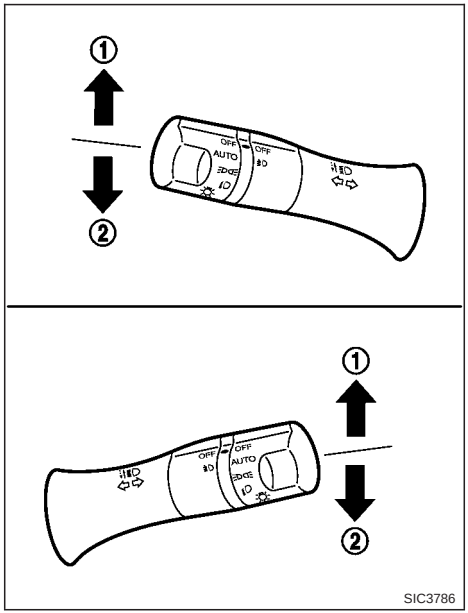
If the vehicle is travelling on a hilly road, the headlights may directly shine on the rearview and outside mirrors of a vehicle ahead or the windscreen of an oncoming vehicle, which may obscure other drivers’ vision.

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
1	2	3	Approximately 40 kg (88 lb)
2	1	No occupants	Approximately 280 kg (617 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.

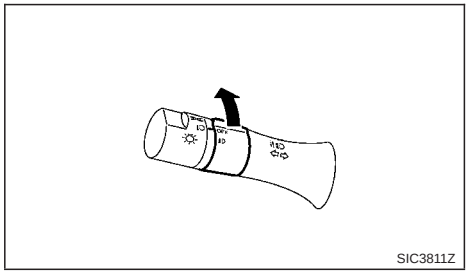
Lane change signal

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

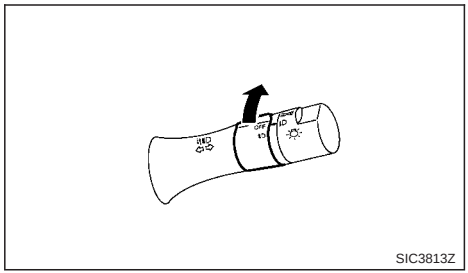
If the lever is moved back right after moving up ① or down ②, the light will flash 3 times (where fitted).

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

FRONT FOG LIGHTS (where fitted)



Type A



Type B

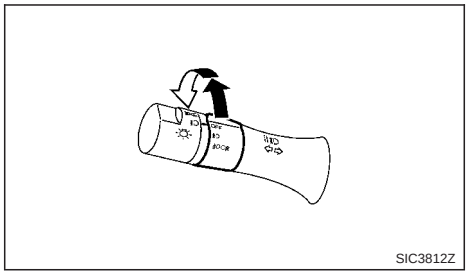
To turn on the front fog lights, turn the fog light switch to the position with the headlight switch in the or position.

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

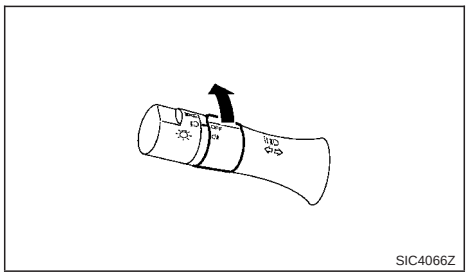
When the headlight switch is in the “AUTO” position (where fitted):

- 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.

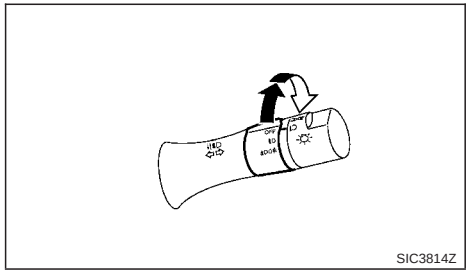
REAR FOG LIGHT



Type A



Type B



Type C

For type A and 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 meter illuminates.

To turn off the rear fog light, turn the fog light switch to the position again. Make sure the indicator light on the meter 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)]

For type B: To turn on the rear fog light, turn the fog light switch to the position with the headlight switch in the or position.

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

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

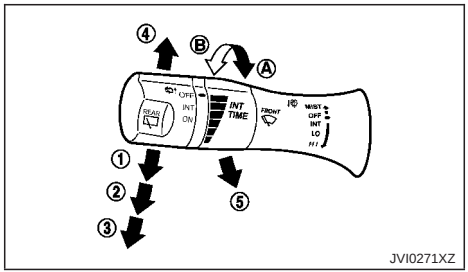
WARNING

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.

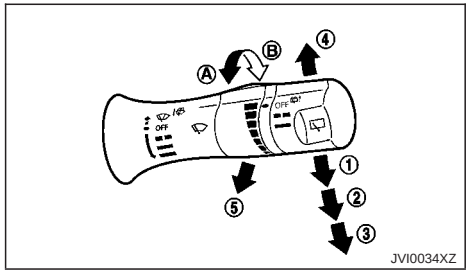
CAUTION

- **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 (example)



Type B (example)

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

Wiper operation

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

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.

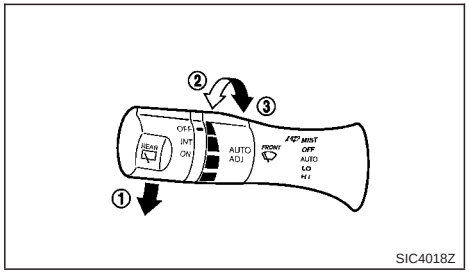
The lever position ④ (MIST or) operates the wiper one sweep. The lever automatically returns to its original position.

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

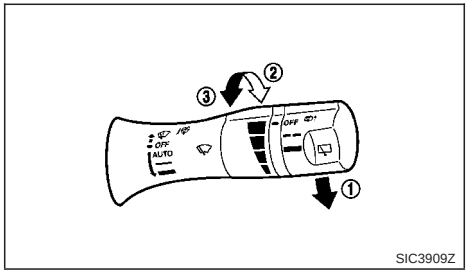
To operate the washer, pull the lever toward the back of the vehicle ⑤ until the desired amount of washer fluid is spread on the windscreen. The wiper will automatically operate several times.

RAIN-SENSING AUTO WIPER SYSTEM (where fitted)



SIC4018Z

Type A



SIC3909Z

Type B

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

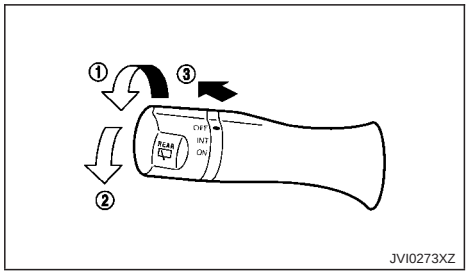
To turn the rain-sensing auto wiper system off, push up the lever to the OFF position, or pull down the lever to the "▬" (LO) or "▬" (HI) position.

CAUTION

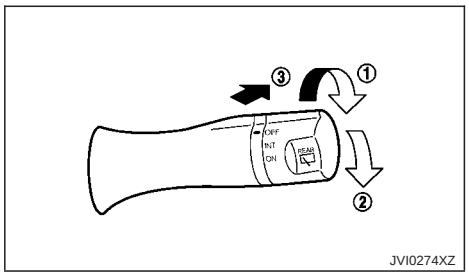
Do not touch the rain sensor and around it when the wiper switch is in the AUTO position and the ignition switch is in the "ON" position. The wipers may operate unexpectedly and cause to an injury or may damage a wiper.

- **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



Type A (Example)



Type B (Example)

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 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

Turn the switch from the “OFF” position to operate the wiper.

① “INT” or “▬ ▬” (intermittent) — intermittent operation (not adjustable)

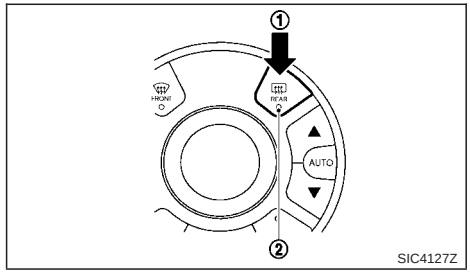
② “ON” or “▬▬” (low) — continuous low speed operation

Reverse synchronisation function (where fitted):

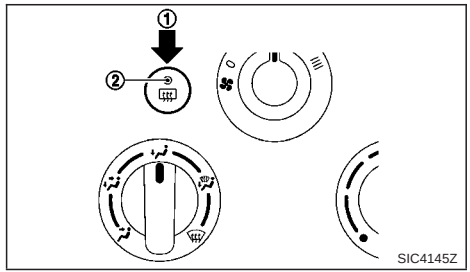
When the windscreen wiper switch is on, moving the shift lever to the “R” (Reverse) position will operate the rear window wiper. The rear window wiper will be operated once every 7 seconds while the above conditions are kept.

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

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 and outside door mirror surface (where fitted) to improve the rear view.

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

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

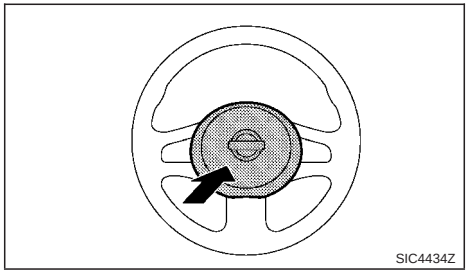
CAUTION

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

NOTE

When the rear defogger is turned on, the Stop/Start system (where fitted) will not be activated.

HORN

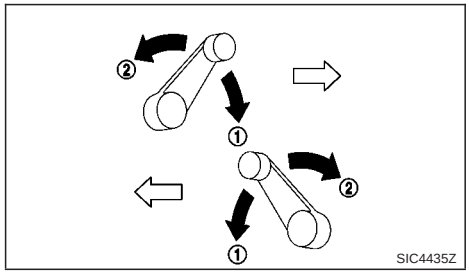

SIC4434Z

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)



SIC4435Z

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

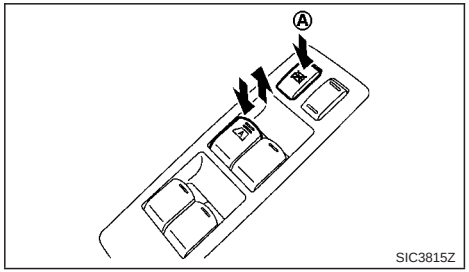
POWER WINDOWS (where fitted)

WARNING

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

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

Driver’s window switch



The driver’s switch, which is the main switch, can control front windows.

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

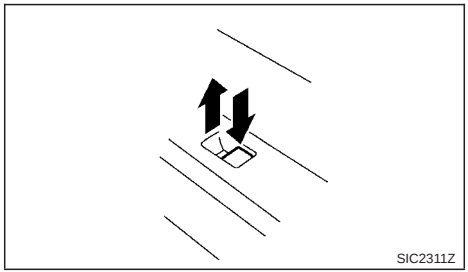
To close a window, pull up the power window switch.

Locking passenger’s windows:

When the lock button Ⓐ is pushed in, the passenger’s windows cannot be operated.

To cancel the passenger’s windows lock, push the lock button Ⓐ again.

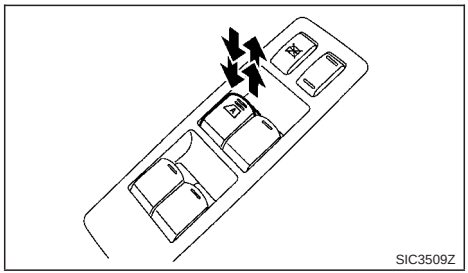
Passenger’s window switch



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



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

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

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

To stop the window open operation during the automatic function, 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.

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.

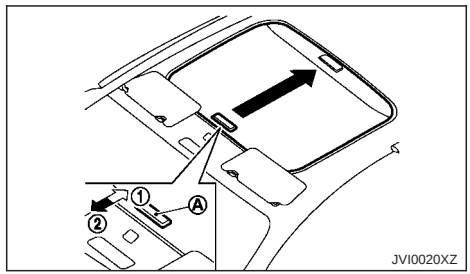
If the power window functions do not operate properly after performing the above procedure, repeat the steps. See a NISSAN dealer or qualified workshop, if necessary, for checking the power window system.

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 rear of the vehicle ①. To close, slide the sunshade toward the front of the vehicle ②.

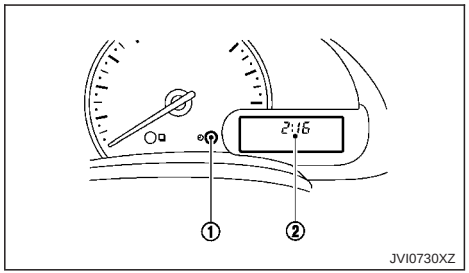
If the battery cable is disconnected, the clock will reset its time and the correct time will not be indicated. Readjust the time.

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. To adjust the time, perform the following procedure:

1. Push the clock adjusting knob ① for 1.5 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 3 seconds for the minute display to flash.

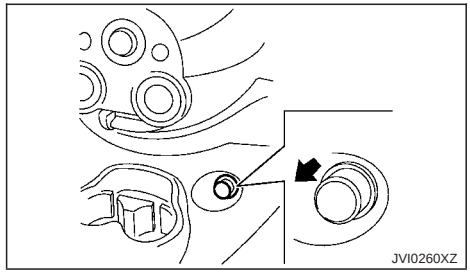
4. Push the clock adjusting knob ① to adjust the minutes.

   To advance the time, hold down the knob ①.

   Wait at least 3 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.



The power outlet is for powering electrical accessories such as mobile telephone.

CAUTION

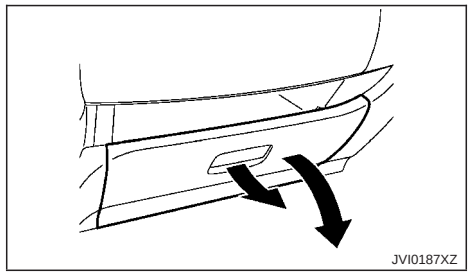
- **The outlet and plug may be hot during or immediately after use.**
- **This power outlet is not designed for use with a cigarette lighter unit.**
- **Do not use with accessories that exceed a 12 volt, 120W (10A) power draw. Do not use double adapters or more than one electrical accessory.**
- **Use 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.**

- **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.**

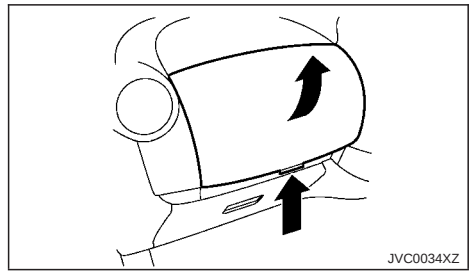
GLOVE BOX



To open the glove box, pull the handle.

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

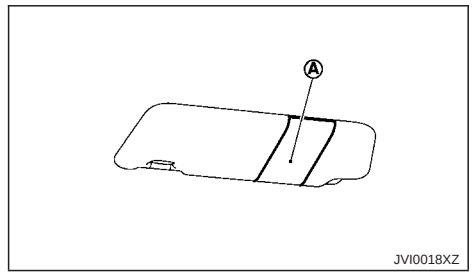
UPPER INSTRUMENT BOX (where fitted)



To open the upper instrument box, push the button.

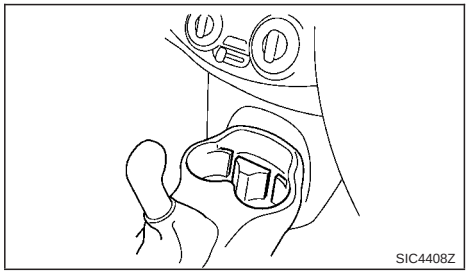
To close, push the lid down.

CARD HOLDER (where fitted)

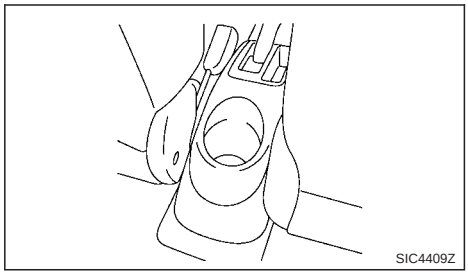


Slide a card in the card holder Ⓐ.

CUP HOLDERS



Front

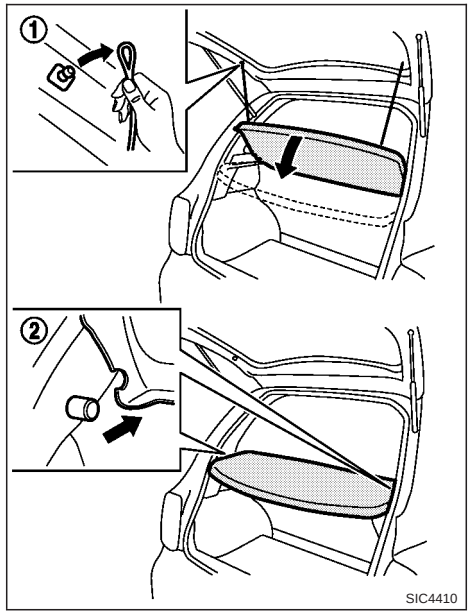


Rear

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)



WARNING

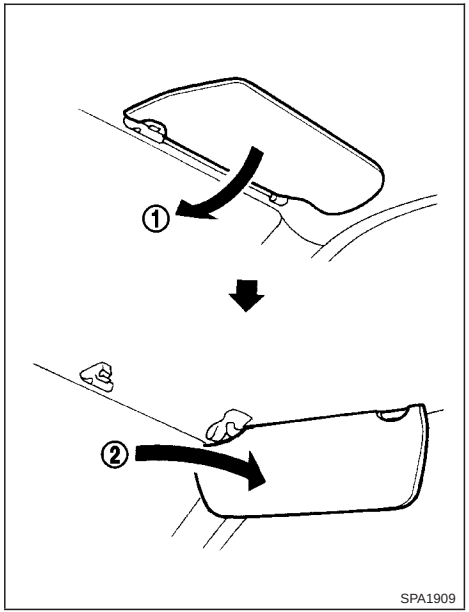
- **Never put anything on the tonneau board, no matter how small. Any object on it could cause an injury in an accident or sudden stop.**
- **Do not leave the tonneau board in the vehicle with it disengaged from the holder.**

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.

SUN VISORS



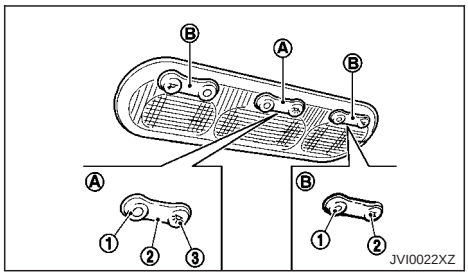
1. To block out glare from the front, swing down the sun visor ①.
2. To block glare from the side, remove the sun visor from the centre mount and swing it to the side ②.

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 Ⓐ 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 a period of time 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 “UNLOCK” button (on the remote controller or Intelligent Key) or the request switch (model with Intelligent Key system) with the ignition switch in the “LOCK” position.
- Any door is opened and then closed with the ignition switch in the “LOCK” position and without the key in the ignition switch (model without Intelligent Key system).

The interior light timer will be cancelled when:

- The driver’s door is locked.
- The ignition switch is placed in 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 Ⓑ (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 a period of time with the room light switch placed horizontally or the room control switch in the centre position ②, the room light will automatically turn off.

NOTE

3 Pre-driving checks and adjustments

Keys 3-2
NISSAN Anti-Theft System (NATS*) key 3-2
Intelligent Key (where fitted) 3-2
Doors 3-3
Super lock system (where fitted) 3-3
Locking with key 3-4
Locking with inside lock knob 3-4
Locking with power door lock switch (where fitted) 3-5
Vehicle speed sensing door lock mechanism (where fitted) 3-5
Auto door lock releasing mechanism (where fitted) 3-6
Child safety rear door lock 3-6
Remote keyless entry system 3-6
Using remote keyless entry system 3-7
Intelligent Key system (where fitted) 3-8
Operating range 3-10
Using intelligent Key system 3-10
Battery saver system 3-12
Warning and audible reminders 3-12
Trouble shooting guide 3-14
Using remote keyless entry function 3-16
Security system (where fitted) 3-17
NISSAN Anti-Theft System (NATS) 3-17
Bonnet 3-18
Opening bonnet 3-18
Closing bonnet 3-18
Back door 3-19
Opening back door 3-19
Fuel-filler lid 3-19
Opening fuel-filler lid 3-19
fuel-filler cap 3-20
Steering wheel 3-20
Mirrors 3-20
Inside rearview mirror 3-20
Outside rearview mirrors 3-21
Vanity mirrors (where fitted) 3-23
Parking brake 3-23
Lever type 3-23

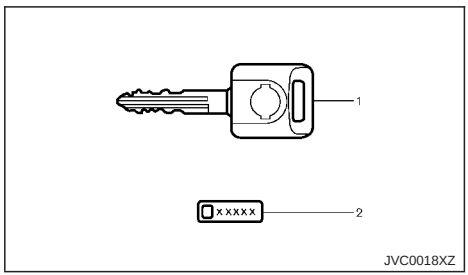
Your vehicle can only be driven with the keys specific to your vehicle. A key number plate is supplied with your key. Record the key number and keep the key number plate in a safe place, except in the vehicle, in case of the need to duplicate the keys.

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.

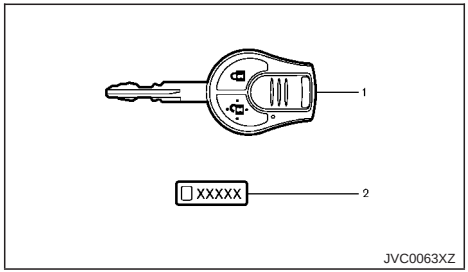
CAUTION

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

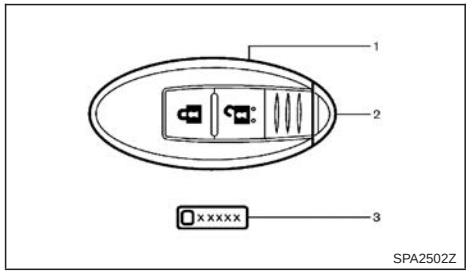
Your vehicle can only be driven with the NATS keys, which are registered to your vehicle's NATS components. As many as 5 NATS keys can be registered and used with one vehicle. The new keys must be registered by a NISSAN dealer or qualified workshop prior to use with the NATS of your vehicle. Since the 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

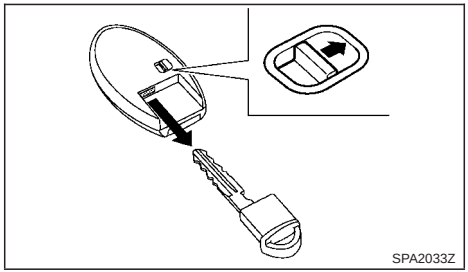
Your vehicle can only be driven with the Intelligent Keys, which are registered to your vehicle's Intelligent Key system components and NISSAN Anti-Theft System (NATS*) components. As many as 4 Intelligent Keys can be registered and used with one vehicle. The new keys must be registered by a NISSAN dealer 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.**
  - **If the outside temperature is below –10°C (14°F), the battery of the Intelligent Key may not function properly.**
  - **Do not place the Intelligent Key for an extended period in 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 “Doors” later in this section.)

WARNING

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

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 key fob 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 key fob 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 key fob or the Intelligent Key “UNLOCK” button or the request switch.

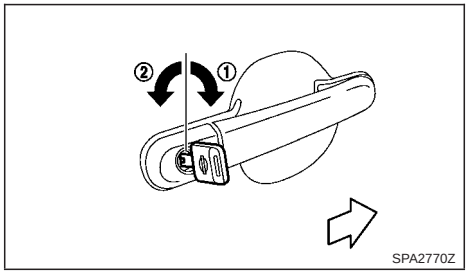
The Super Lock System will not activate when the doors are locked with the power door lock switch or mechanical key.

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 key fob 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

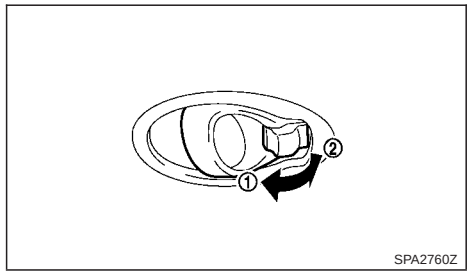
To lock the driver’s door, insert the key to the door cylinder located on the driver’s side door and turn the key to the front of the vehicle ①.

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.

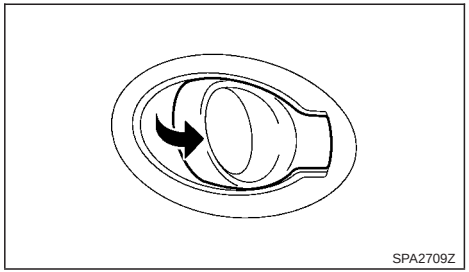
CAUTION

- **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).

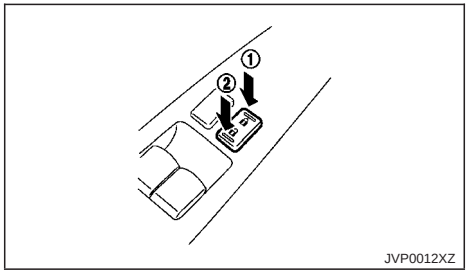
Right-Hand Drive (RHD) model (where fitted)

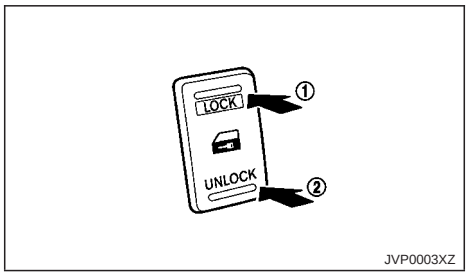


To unlock and open the door, pull the inside door handle as illustrated.

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 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 is moved from the “ON” to “OFF” position (models with Intelligent Key system).

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

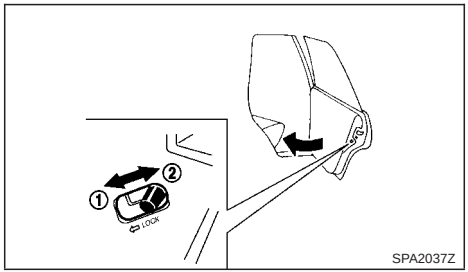
To activate or deactivate auto door lock releasing mechanism

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

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.

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

The integrated key fob will not function under the following conditions:

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

CAUTION

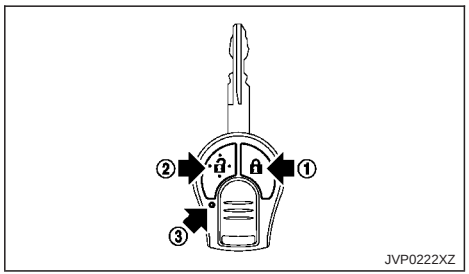
- **When locking the doors using the integrated key fob, be sure not to leave the key in the vehicle.**
- **Do not allow the integrated key fob, which contains electrical components, to come into contact with water or salt water. This could affect the system function.**
- **Do not drop the integrated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

- **Do not place the integrated key fob 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 key fob is lost or stolen, NISSAN recommends erasing the ID code of that integrated key fob from the vehicle. This may prevent the unauthorised use of the integrated key fob 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 key fob battery" in the "8. Maintenance and do-it-yourself" section.

USING REMOTE KEYLESS ENTRY SYSTEM



① LOCK button

② UNLOCK button

③ Battery indicator light

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 key fob.
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 key fob, 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 key fob.
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 key fob while the doors are locked.

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

- Opening any doors.
- Inserting the key into 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 integrated key fob.
2. The driver's door unlocks.
3. Push the "UNLOCK" button ② on the integrated key fob 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.

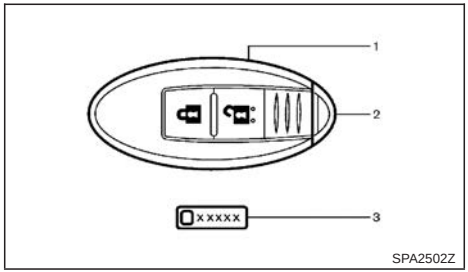
Battery indicator light

The battery indicator light ④ (Type A) or ③ (Type B) illuminates when you push any button. If the light does not illuminate, the battery is weak or needs replacement. For information regarding replacement of a battery, see “Integrated key fob battery” in the “8. Maintenance and do-it-yourself” section.

Hazard indicator operation

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

- “LOCK”: The hazard indicator flashes once.
- “UNLOCK”: The hazard indicator flashes twice.



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 key fob 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 key fob 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.

To start the engine when the Intelligent Key battery is discharged, see "Push-button ignition switch (model with Intelligent Key system)" in the "5. Starting and driving" section. Replace the discharged battery with a new one as soon as possible.

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. In this case, unlocking the steering wheel would also be impossible. Pay special attention that the vehicle battery is not completely discharged.

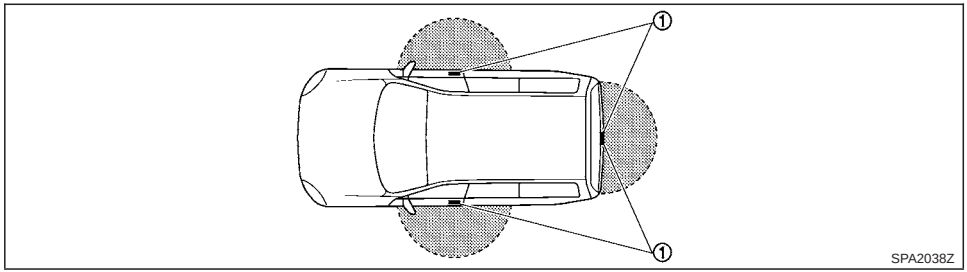
As many as 4 Intelligent Keys can be used with one vehicle. For information about the purchase and use of additional Intelligent Keys, contact a NISSAN dealer or qualified workshop.

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.**
- **If the outside temperature is below –10°C (14°F), the battery of the Intelligent Key may not function properly.**
- **Do not place the Intelligent Key for an extended period in an area where temperatures exceed 60°C (140°F).**
- **Do not attach the Intelligent Key with a key holder that contains a magnet.**
- **Do not place the Intelligent Key near equipment that produces a magnetic field, such as a TV, audio equipment and personal computers or 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.



OPERATING RANGE

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

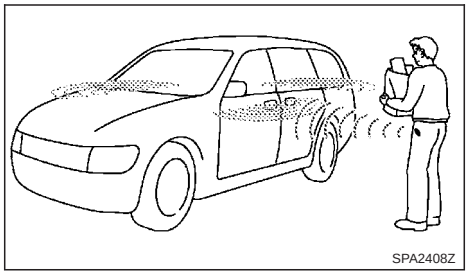
When the Intelligent Key battery is discharged or strong radio waves are present near the operating location, the Intelligent Key system's operating range becomes narrower, and the Intelligent Key may not function properly.

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

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

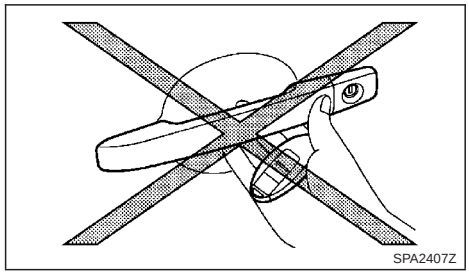
When the Intelligent Key is within the operating range, it is possible for anyone, even someone who does not carry the Intelligent Key, to push the request switch and lock/unlock the doors.

USING INTELLIGENT KEY SYSTEM



The request switch will not function under the following conditions:

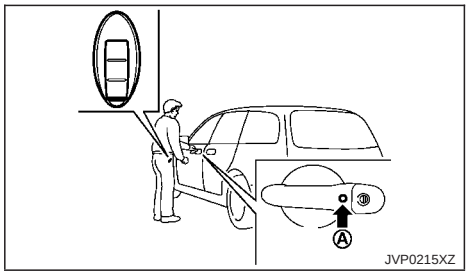
- When the Intelligent Key is left inside the vehicle
- When the Intelligent Key is not within the operational range
- When any door is open or not closed securely
- When the Intelligent Key battery is discharged
- When the ignition switch is in the "ACC" or "ON" position

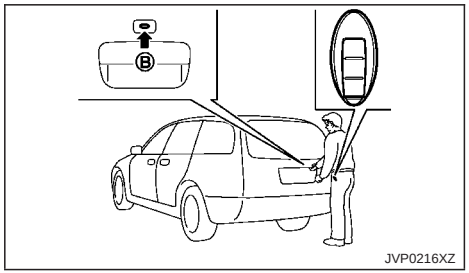


- Do not push the door handle request switch with the Intelligent Key held in your hand as illustrated. The close distance to the door handle will cause the Intelligent Key system to have difficulty recognising that the Intelligent Key is outside the vehicle.
- After locking the doors using the door 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.

Request switch locations





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) Ⓐ or back door request switch Ⓑ within the range of operation.

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

Locking doors

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 Ⓐ (driver's or front passenger's) or the back door request switch Ⓑ.
5. All doors and the back door will be locked.
6. The hazard indicators flash once.
7. 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 inside of the glove box.**
- **When the Intelligent Key is placed inside of the door pockets.**
- **When the Intelligent Key is placed on or under the spare tyre area.**
- **When the Intelligent Key is placed inside or near metallic materials.**

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

Unlocking doors

All door unlock:

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

4. The hazard indicators flash twice.

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.

Selective door unlock mode:

1. Carry the Intelligent Key with you.
2. Push the door handle request switch (driver's or front passenger's) Ⓐ or back door request switch Ⓑ.
3. The corresponding door will be unlocked.
4. Push the door handle request switch (driver's or front passenger's) Ⓐ or back door request switch Ⓑ again within 5 seconds.
5. All doors will be unlocked.

Switching door unlock mode (where fitted):

To switch the door unlock mode from one to another, see "Using remote keyless entry function" later in this section.

Automatic relock:

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

- Opening any doors.
- Pushing the ignition switch.

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

BATTERY SAVER SYSTEM

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

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

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 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 vehicle information 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: KEY

P position selecting warning light: P SHIFT

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.

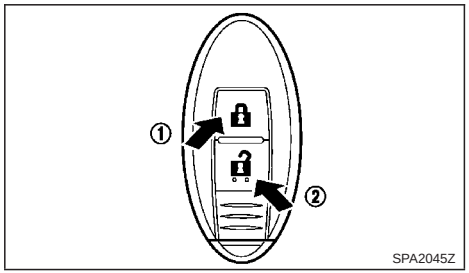
TROUBLE SHOOTING GUIDE

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 (Automatic Transmission (AT) and Continuously Variable Transmission (CVT) models).	The shift lever is not in the “P” (Park) position.	Shift the shift lever to the “P” (Park) position.
When shifting the shift lever to the P (Park) position (Automatic Transmission (AT) and Continuously Variable Transmission (CVT) models)	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 (Automatic Transmission (AT) and Continuously Variable Transmission (CVT) models).	The ignition switch is in the “ACC” or “OFF” position and the shift lever is not in the “P” (Park) position.	Move the shift lever to the “P” (Park) position and push the ignition switch to the “OFF” position.
When 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.
		The ignition switch is in the “ACC” or “ON” position.	Push the ignition switch to the “OFF” position.
		A door is not closed securely.	Close the door securely.
When 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 “8. 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

When you lock or unlock the doors including the back door, the hazard indicator will flash as a confirmation.

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.

Hazard indicator operation

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

- “LOCK”: The hazard indicators flash once.
- “UNLOCK”: The hazard indicators flash twice.

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:

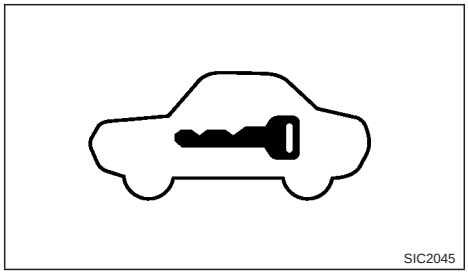
- Another NATS key.
- Automated toll road device.
- Automated payment device.
- Other devices that transmit similar signals.

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. Place the ignition switch in the “OFF” or “LOCK” position, and wait approximately 10 seconds.
4. Repeat steps 2 and 3 again.
5. Start the engine.
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


SIC2045

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.

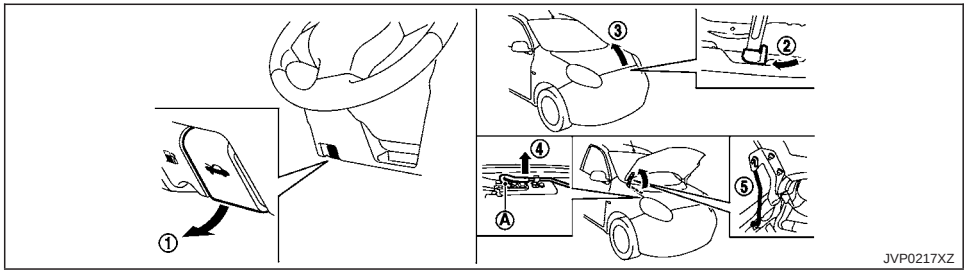
If the light remains on and/or the engine does not start, contact a NISSAN dealer or qualified workshop for NATS service as soon as possible. Be sure to bring all NATS keys that you have when visiting a NISSAN dealer or qualified workshop for service.

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.

WARNING

- **Before closing the bonnet and to avoid injury or damage, make sure there are no obstacles around the bonnet.**
- **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 to the left 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 Ⓐ 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

CAUTION

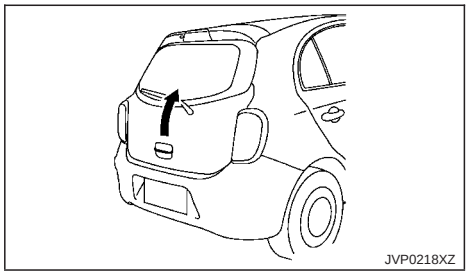
Before closing the bonnet, make sure to release the support rod and store it in the original position. Otherwise the support rod will be damaged.

1. While supporting the bonnet, return the support rod to its original position.
2. Slowly lower the bonnet to about 20 – 30 cm (8 – 12 in.) above the bonnet lock, then let it drop.
3. Make sure the bonnet is securely latched.

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


JVP0218XZ

For model with the door key cylinder

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

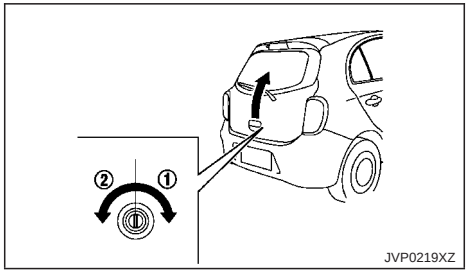
To close the back door, pull down until it securely locks.

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 key fob (where fitted). (See “Remote keyless entry system” earlier in this section.)
- Push the power door lock switch to the “UNLOCK” position.

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



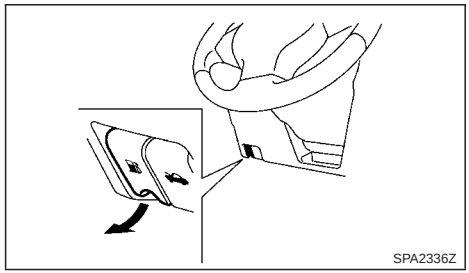
JVP0219XZ

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.

WARNING

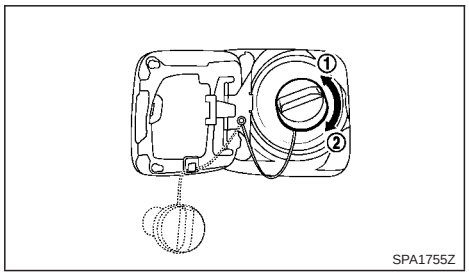
- **Fuel is extremely flammable and highly explosive under certain conditions. You could be burned or seriously injured if it is misused or mishandled. Always stop the engine and do not smoke or allow open flames or sparks near the vehicle when refuelling.**
- **Fuel may be under pressure. Turn the cap 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


SPA2336Z

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.

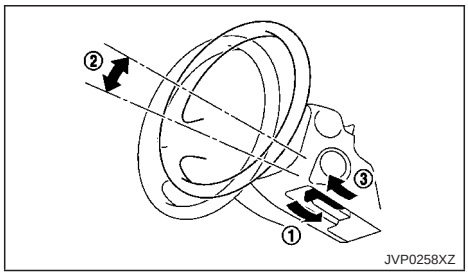
CAUTION

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.

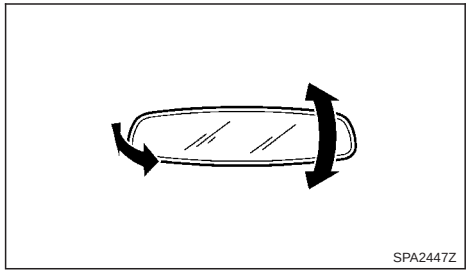
Pull the lock lever up ③ firmly to lock the steering wheel in place.

MIRRORS

WARNING

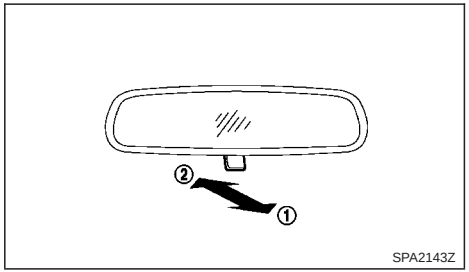
Adjust the position of all mirrors before driving. Do not adjust the mirror positions while driving so that full attention may be given to vehicle operation.

INSIDE REARVIEW MIRROR



Manual anti-glare type

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.

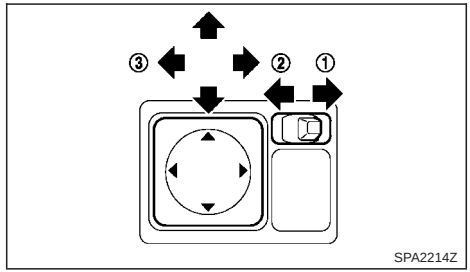
OUTSIDE REARVIEW MIRRORS

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

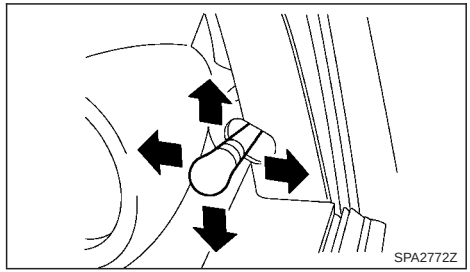
Remote control type (where fitted):



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):



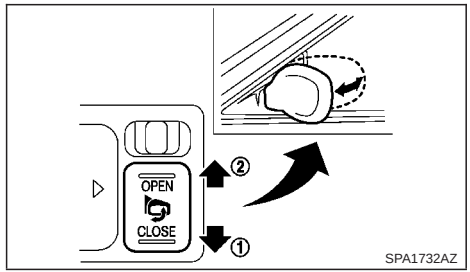
Adjust the mirror angles with the inside lever until the desired position is achieved.

Defogging (where fitted)

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

Folding

Remote control type (where fitted):



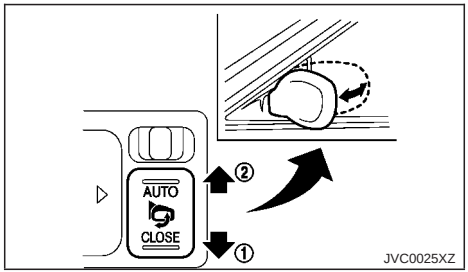
The outside rearview mirror remote control operates when the ignition switch is in the “ACC” or “ON” position.

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 outside rearview mirror folding switch is in the “AUTO” position ②.

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

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.

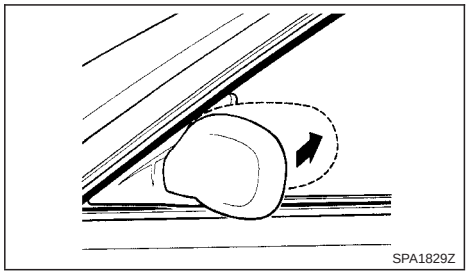
The outside rearview mirror remote control operates when the ignition switch is in the “ACC” or “ON” position.

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

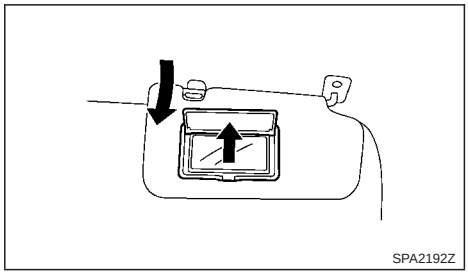
Continuously performing the fold/unfold operation of the outside rearview mirror may cause the switch to stop the operation.

Manual control type (where fitted):



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

VANITY MIRRORS (where fitted)

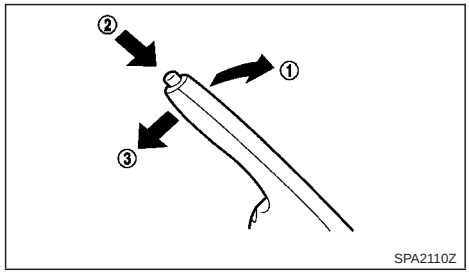


To access the vanity mirror, pull the sun visor down and pull up the mirror cover.

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 shift lever in place of the parking brake. When parking, be sure the parking brake is fully applied.**
- **To help avoid risk of injury or death through unintended operation of the vehicle and/or its systems, do not leave children, people who require the assistance of others, or pets unattended in your vehicle. Additionally, the temperature inside a closed vehicle on a warm day can quickly become high enough to cause a significant risk of injury or death to people and pets.**

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

4 Heater and air conditioner, and audio system

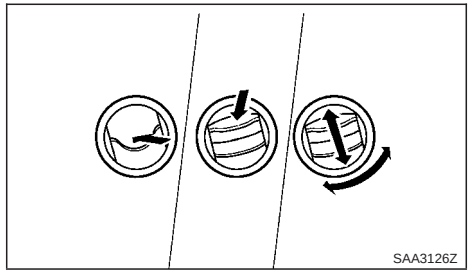
Safety precautions 4-2
Vents 4-2
Heater and air conditioner 4-2
Operating tips (for automatic air conditioner) 4-3
Manual air conditioner 4-4
Automatic air conditioner 4-6
Servicing air conditioner 4-8
Audio system (where fitted) 4-8
Audio operation precautions 4-8
Antenna 4-14
FM-AM radio with Compact Disc (CD) player 4-15
FM-AM radio with compact disc (CD) player and navigation (where fitted) 4-26
USB (Universal Serial Bus) Connection Port 4-26
Steering wheel switches for audio control (where fitted) 4-26
CD/USB memory care and cleaning 4-27
Bluetooth® Hands-Free Phone System (where fitted for model without navigation system) 4-27
Regulatory information 4-28
Hands-Free Phone System 4-29

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.**
- **Do not disassemble or modify this system. If you do, it may lead to an accident, fire, or electric shock.**

CAUTION

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



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

The side vents can be used for the side defroster/defogger.

WARNING

- **The heater and air conditioner operate only when the engine is running.**
- **Never leave children or adults who would normally require the support of others alone in the vehicle. Pets should not be left alone either. They could unknowingly activate switches or controls and inadvertently become involved in a serious accident and injure themselves. On hot, sunny days, temperatures in a closed vehicle could quickly become high enough to cause severe or possibly fatal injuries to people or animals.**
- **Do not use the recirculation mode for long periods as it may cause the interior air to become stale and the windows to fog up.**
- **Do not adjust the heating and air conditioning controls while driving so that full attention may be given to vehicle operation.**

The heater and air conditioner operate when the engine is running. The air blower will operate when the ignition switch is in the “ON” position even if the engine is turned off.

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.**

- **Odours from inside and outside the vehicle can build up in the air conditioner unit. Odour can enter the passenger compartment through the vents.**
- **When parking, set the heater and air conditioner controls to turn off air recirculation to allow fresh air into the passenger compartment. This should help reduce odours inside the vehicle.**

For model with Stop/Start System (where fitted):

The Stop/Start System or Idling Stop System will not stop the engine under the following conditions:

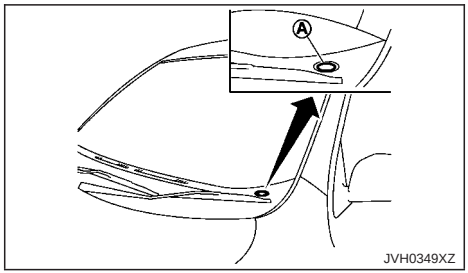
- The front defogger mode is on. (automatic air conditioner)
- The air flow control dial is in the front defogger position and the fan speed control dial is on. (manual air conditioner)
- The rear window defogger mode is on.

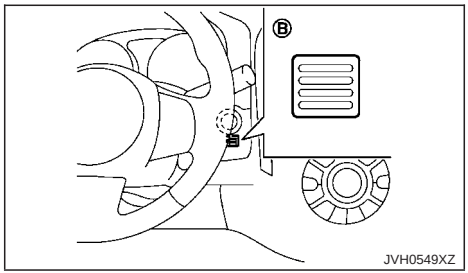
While the engine is stopped by the Stop/Start System or Idling Stop System, taking one of the following actions will automatically start the engine:

- Turn the front defogger mode on. (automatic air conditioner)
- The air flow control dial is in the front defogger position and the fan speed control dial is on. (manual air conditioner)
- Turn the rear window defogger mode on.

When the engine is stopped by the Stop/Start System or Idling Stop System, performance of the heater and air conditioner may be reduced to minimise the fuel consumption. For the best heating and air conditioning performance, restart the engine by pushing the Stop/Start System OFF switch. (See “Stop/Start System OFF switch” in the “5. Starting and driving” section.)

OPERATING TIPS (for automatic air conditioner)



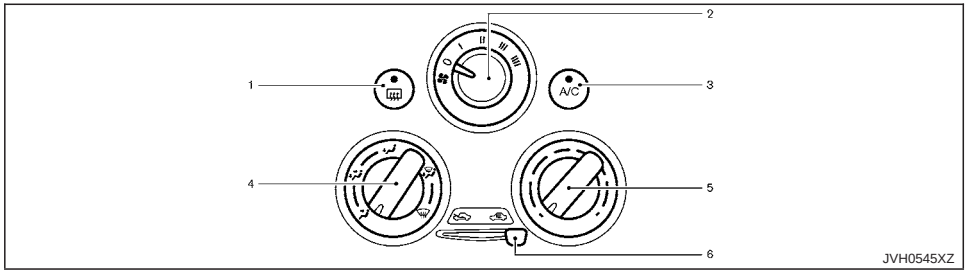


Left-Hand Drive (LHD) models*

When the engine coolant temperature and outside air temperature are low, the air flow from the foot outlets may not operate. However, this is not a malfunction. After the coolant temperature warms up, the air flow from the foot outlets will operate normally.

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

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



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 for a clear view to 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 for a clear view to 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:

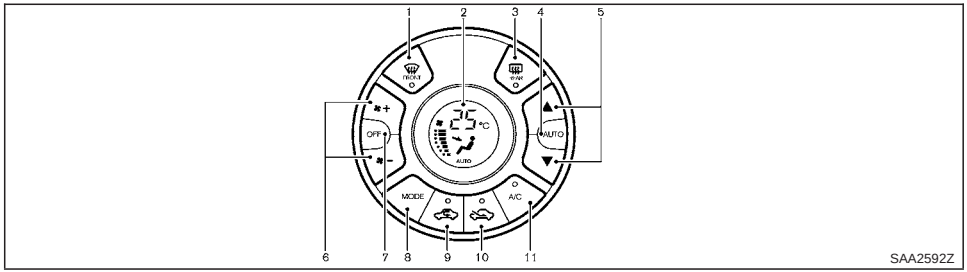
This mode is used to heat and dehumidify the air.

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 defrost or defog for a clear view to the side mirrors.



AUTOMATIC AIR CONDITIONER

1. Front 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 (+) and (–) 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.

4. If the indicator light on either the outside air circulation button or the air recirculation button is illuminated, push and hold the button with the light illuminated to switch to the automatic air intake control mode.

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):

1. Push the **<AUTO>** button. ([AUTO] will appear on the display.)
2. If the A/C indicator light illuminates, push the **<A/C>** button. (The A/C indicator light will turn off.)
3. Push the temperature control ▲ / ▼ button to set the desired temperature.

- Do not set the temperature lower than the outside air temperature. Doing so may cause the temperature to not be controlled properly.
- If the windows fog up, use dehumidified heating instead of the A/C off heating.

Dehumidified defrosting/defogging:

1. Push the front defogger button. (The indicator light will illuminate.)
2. Push the temperature control ▲ / ▼ button to set the desired temperature.

- To remove frost from the outside surface of the 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.

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 (where fitted):

If the indicator light on either the outside air circulation button or the air recirculation button is illuminated, push and hold the button with the light illuminated (the indicator light will blink twice.). The automatic air intake control mode is set.

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.)

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

Air conditioner filter

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

WARNING

Do not adjust the audio system while driving so that full attention may be given to vehicle operation.

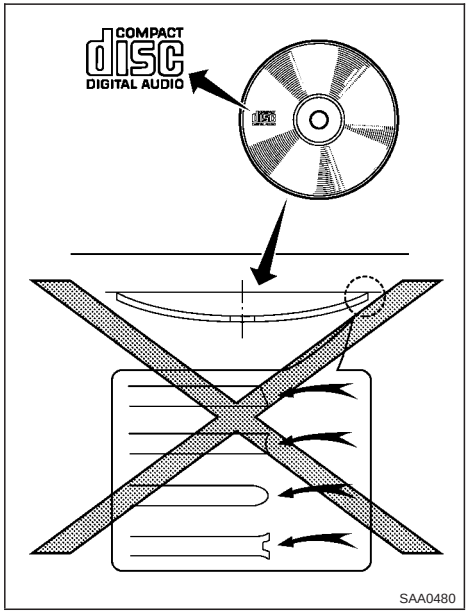
Radio

- 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.
  – CDs that are not round
  – CDs with a paper label
  – CDs that are warped, scratched or have unusual edges.
  – CD lens cleaner discs.
- 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 message will be displayed.

Check disc/CHK CD/CD ERROR Check Disk:

- 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.
- Confirm that the disc is a CD and not a DVD.
- Confirm that the disc contains audio files.

Push eject/Eject CD/CD Ejecting...:

This is a malfunction due to the temperature inside the player being 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.

USB (Universal Serial Bus) Connection Port (where fitted)

WARNING

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

CAUTION

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

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

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

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

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

- Partitioned USB devices may not play correctly.
- Some characters used in other languages (Chinese, Japanese, etc.) may not appear properly in the display. Using English language characters with a USB device is recommended.

General notes for USB use:

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

Notes for iPod use:

iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

- Improperly plugging in the iPod may cause a checkmark to be displayed on and off (flickering). Always make sure that the iPod is connected properly.
- An iPod nano (1st Generation) may remain in fast forward or rewind mode if it is connected during a seek operation. In this case, please manually reset the iPod.
- An iPod nano (2nd Generation) will continue to fast-forward or rewind if it is disconnected during a seek operation.
- An incorrect song title may appear when the Play Mode is changed while using an iPod nano (2nd Generation)
- Audiobooks may not play in the same order as they appear on an iPod.
- Large video files cause slow responses in an iPod. The vehicle centre display may momentarily black out, but will soon recover.
- If an iPod automatically selects large video files while in the shuffle mode, the vehicle centre display may momentarily black out, but will soon recover.

Bluetooth® Audio player (where fitted)

- Some Bluetooth® audio devices may not be used with this system. For detailed information about Bluetooth® audio devices that are available for use with this system, contact a NISSAN dealer or qualified workshop.
- Before using a Bluetooth® audio system, the initial registration process for the audio device is necessary.
- Operation of the Bluetooth® audio system may vary depending on the audio device that is connected. Confirm the operation procedure before use.
- The playback of Bluetooth® audio will be paused under the following conditions. The playback will be resumed after the following conditions are completed.
- The in-vehicle antenna for Bluetooth® communication is built in the system. Do not place the Bluetooth® audio device in an area surrounded by metal, far away from the system or in a narrow space where the device closely contacts the body or the seat. Otherwise, sound degradation or connection interference may occur.
  - while using a Hands-free phone
  - while checking a connection with a mobile phone
- While a Bluetooth® audio device is connected through the Bluetooth® wireless connection, the battery power of the device may discharge quicker than usual.
- This system is compatible with the Bluetooth® AV profile (A2DP and AVRCP).

Bluetooth® is a trademark owned by Bluetooth SIG, Inc., and licensed to Daewoo IS Corp.

Compact Disc / USB memory device with MP3 or WMA (where fitted)

Explanation of terms:

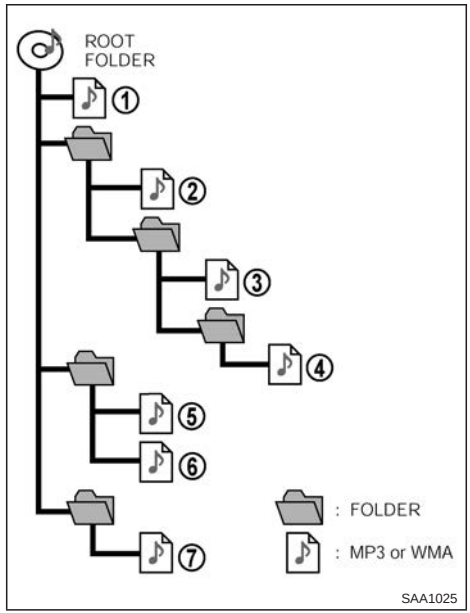
- MP3 — MP3 is short for Moving Pictures Experts Group Audio Layer 3. MP3 is the most well known compressed digital audio file format. This format allows for near "CD quality" sound, but at a fraction of the size of normal audio files. MP3 conversion of an audio track from CD can reduce the file size by approximately 10:1 ratio (Sampling: 44.1 kHz, Bit rate: 128 kbps) with virtually no perceptible loss in quality. MP3 com-

pression 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:



Playback order chart

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

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

Specification chart:

Supported media			CD, CD-R, CD-RW, USB2.0
Supported file systems			CD, CD-R, CD-RW: ISO9660 LEVEL1, ISO9660 LEVEL2, Romeo, Joliet * ISO9660 Level 3 (packet writing) is not supported. * Files saved using the Live File System component (on a Windows Vista-based computer) are not supported. USB memory device: FAT16, FAT32
Supported versions*1	MP3	Version	MPEG1 Audio Layer 3
		Sampling frequency	8 kHz - 48 kHz
		Bit rate	8 kbps - 320 kbps, VBR*4
	WMA*2	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		CD, CD-R, CD-RW	Folder levels: 8, Folders and files: 999 (Max. 255 files for one folder)
		USB	Folder levels: 8, Folders 255, Files: 2500 (Max. 255 files for one folder) Memory size: 4GB
Displayable character codes*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 Protected WMA files (DRM) cannot be played.

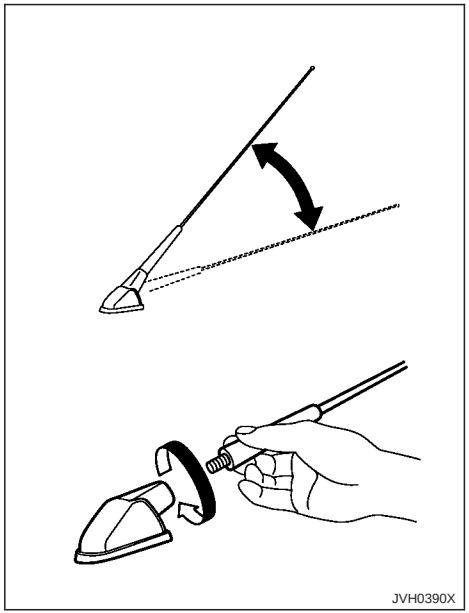
*3 Available codes depend on what kind of media, versions and information are going to be displayed.

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

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) and compressed audio files on a CD, only the music CD files (CD-DA data) will be played.
	Files with extensions other than ".MP3 (.mp3)" or ".WMA (.wma)" cannot be played. In addition, the character codes and number of characters for folder names and file names should be in compliance with the specifications.
	Check if the disc or the file is generated in an irregular format. This may occur depending on the variation or the setting of compressed audio writing applications or other text editing applications.
	Check if the finalisation process, such as session close and disc close, is done for the disc.
	Check if the disc or USB memory device is protected by copyright.
Poor sound quality	Check if the disc is scratched or dirty.
It takes a relatively long time before the music starts playing.	If there are many folder or file levels on the MP3/WMA disc, or if it is a multisession disc, some time may be 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", ".mp3", ".wma", or when play is prohibited by copyright protection, there will be approximately 5 seconds of no sound and then the player will skip to the next song.
The songs do not play back in the desired order.	The playback order is the order in which the files were written by the writing software, so the files might not play in the desired order.
	Random/Shuffle may be active on the audio system or on a USB memory device.

ANTENNA



Adjust the antenna angle for the best reception.

Removing antenna

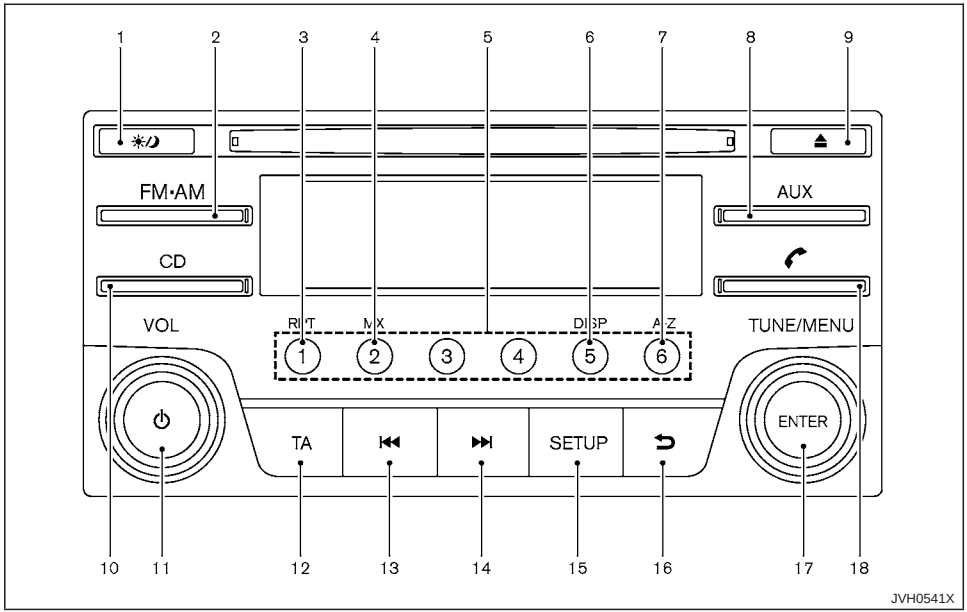
You can remove the antenna if necessary.

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

1. Day/Night button
2. FM·AM band select button
3. RPT button
4. MIX button
5. Radio memory buttons
6. DISP (display) button
7. A-Z button
8. AUX button
9. CD eject button
10. CD button
11. Power/ VOL dial
12. TA (Traffic Announcement) button
13. Rewind button
14. Fast Forward button
15. SETUP button
16. Back button
17. TUNE/MENU/ENTER dial
18. Phone 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. Place the ignition switch in the “ACC” or “ON” position.
2. Turn on the audio unit by pushing the <Power/VOL> dial.
3. Radio Code is displayed along with four numerical zero digits.
4. Push preset button ① the number of times corresponding with the first digit of the radio code.

   For example, if the radio code is 5169: for the first digit, “5”, push the preset button ① five times.
5. The second, third, and fourth digits of the radio code must be entered, in the same way, only now using preset buttons ②, ③, and ④.

   For example, push ② once, ③ six times, and ④ nine times.
6. Push and hold preset button ⑥ to confirm the code. If you entered the code correctly the unit will switch on.
7. If the code is entered incorrectly a notification message (INCORRECT PIN) and the number of attempts left (REMAINING TRIES: XX) will be shown.

   After reading the message, push the ENTER dial to return to the entry screen and enter the correct radio code.

   - If the wrong code is entered after the third attempt, the audio unit will lock for 60 minutes. The display will show a count down timer from 60 to 0 (minutes). After 60 minutes enter the correct radio code.
   - If the wrong code is entered after eight sets of three entries, the audio unit will lock permanently. Contact a NISSAN dealer or qualified workshop for further details.

Audio main operation

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

POWER ON/OFF:

To turn on the audio system, push the <Power/VOL> dial.

The system will turn on in the mode (radio or CD) which was used immediately before the system was turned off.

To turn the audio system on and off, push the <Power/VOL> dial.

Volume control:

To control the volume, turn the <Power/VOL> dial.

Turn the <Power/VOL> dial clockwise to increase the volume.

Turn the <Power/VOL> dial anticlockwise to decrease the volume.

SETUP button:

To configure Audio, Clock, Bluetooth, Language or Scroll direction settings, perform the following procedure:

1. Push the <SETUP> button.
2. Push the <TUNE/MENU/ENTER> dial.
3. Turn the <TUNE/MENU/ENTER> dial clockwise or anticlockwise. The setting menu will be displayed in the following order:

   Audio ⇔ Clock ⇔ Bluetooth ⇔ Language ⇔ Scroll Direction

After the desired levels have been set, either push the Back button repeatedly, push the <SETUP> button, or wait for several seconds without pushing any buttons to exit the menu screen.

Audio adjustments:

Push the <SETUP> button to enter the setup menu screen and then select [Audio].

Each time the <TUNE/MENU/ENTER> dial is pushed, the mode will change as follows:

Bass → Treble → Balance → Fade → AUX VOL → SPD VOL → Audio (setup menu screen) → Bass

Turn the <TUNE/MENU/ENTER> dial clockwise or anticlockwise to adjust the following items and push the <TUNE/MENU/ENTER> dial to confirm.

Bass control:

Use this control to enhance or attenuate the bass response sound.

Treble control:

Use this control to enhance or attenuate the treble.

Balance control:

Use this control to adjust the balance of the volume between the left and right speakers.

Fader control:

Use this control to adjust the balance of the volume between the front and rear speakers (where fitted).

AUX VOL (Auxiliary volume) control:

Use this control to adjust the volume output from the auxiliary source.

SPD VOL (Speed volume) control:

This mode controls the volume output from the speakers automatically in relation to vehicle speed. Adjusting the setting to "0" (zero) turns off the speed volume feature.

Clock setting:

Push the <SETUP> button to enter the setup menu screen and then select [Clock].

Turn the <TUNE/MENU/ENTER> dial, the mode will change as follows:

Set Time ⇔ On/Off ⇔ Clock Format ⇔ Set Time

Set Time:

Select [Set Time] then adjust the clock as follows:

The hour display will start flashing. Turn the <TUNE/MENU/ENTER> dial to adjust the hour and push the <TUNE/MENU/ENTER> dial. The minute display will start flashing. Turn the <TUNE/MENU/ENTER> dial to adjust the minute and push the <TUNE/MENU/ENTER> dial to finish the clock adjustment.

On/Off:

Set the clock display to on or off when the audio unit is turned off. If set in the ON position, the clock will be displayed when the audio unit is turned off either by pushing the <Power/VOL> dial or when the ignition switch is placed in the "ACC" or "ON" position.

Clock Format:

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

Bluetooth® setting:

Push the <SETUP> button to setup the Bluetooth® settings.

For details, see "Bluetooth® audio player operation" later in this section.

Language setting:

Push the <SETUP> button to enter the setup menu screen and then select [Language].

Select the appropriate language and push the <TUNE/MENU/ENTER> dial. Upon completion, the screen will automatically adopt the language setting.

Scroll direction:

Set the scrolling behaviour of the <TUNE/MENU/ENTER> dial to scroll UP or DOWN.

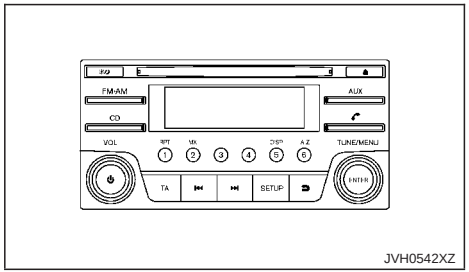
AUX **AUX button:**

The AUX IN jack is located above the glove box. The AUX IN audio input jack accepts any standard analog audio input such as from a portable cassette tape player, CD player, digital audio player or laptop computer.

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

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

CD player operation



JVH0542XZ

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

Loading:

Insert a CD into the slot with the label side facing up. The CD will be guided automatically into the slot and will start playing. After loading the CD, the number of tracks and the playtime will appear on the display.

CAUTION

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

NOTE

- **The CD player accepts normal audio CDs or CDs containing MP3/WMA files.**
- **The audio unit will automatically detect if a CD containing MP3/WMA files is inserted, and “MP3CD” will be indicated.**
- **An error notification message will be displayed when inserting an incompatible disc type (e.g. DVD), or if the player cannot read the CD. Eject the disc and insert another disc.**

List view:

While the track is being played, push either the <TUNE/MENU/ENTER> dial or the Back button to display the available tracks in a listed view mode. To select a track from the list, or a track to start listening to, turn the <TUNE/MENU/ENTER> dial then push <TUNE/MENU/ENTER> dial.

Quick search:

In the list view mode, a quick search can be performed to find a track from the list. Push the <A-Z> button, turn the <TUNE/MENU/ENTER> dial to the first alphabetic letter or numeric character of the song title and then push the <TUNE/MENU/ENTER> dial. When found, a list of the available songs will be displayed. Select, and push the <TUNE/MENU/ENTER> dial to play the preferred track.

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 or AUX source mode is already playing, it will automatically turn off and the CD will start playing.

However, if the CD is not loaded, then a notification message will be displayed and the audio unit will remain in the radio or AUX source mode.

Fast Forward/Rewind buttons:

Push and hold the ▶▶| or |◀◀ button to fast forward or rewind through the track. When the button is released, the track will play at normal playing speed.

Track up/down:

Pushing the ▶▶| or |◀◀ button once, the track will skip forward to the next track or backward to the beginning of the current track. Push the ▶▶| or |◀◀ button more than once to skip through the tracks.

Folder browsing:

If the recorded media contains folders with music files, pushing the ▶▶| or |◀◀ button will play in sequence the tracks of each folder.

To select a preferred folder:

1. Push the <TUNE/MENU/ENTER> dial or the Back button and a list of tracks in the current folder is displayed.
2. Push the Back button.
3. Turn the <TUNE/MENU/ENTER> dial for the preferred folder.
4. Push the <TUNE/MENU/ENTER> dial to access the folder. Push the <TUNE/MENU/ENTER> dial again to start playing the first track or turn the <TUNE/MENU/ENTER> dial, and push the <TUNE/MENU/ENTER> dial to select another track.

If the current selected folder contains sub folders, push the <TUNE/MENU/ENTER> dial, a new screen with a list of sub folders will be displayed. Turn the <TUNE/MENU/ENTER> dial for the sub folder then push the <TUNE/MENU/ENTER> dial to select. Select the root folder item when songs are recorded additionally in the root folder.

To return to the previous folder screen, push Back button.

RPT button:

Push the <RPT> button and the current track will be played continuously.

MIX button:

Push the <MIX> button and all the tracks will be played in a random order.

DISP button:

While a CD with recorded music information tags (CD-text/ID3-text tags) is being played, the title of the played track is displayed. If the title information is not provided then “Track” is displayed.

When the <DISP> button is pushed repeatedly, further information about the track can be displayed along with the track title as follows:

CD:

Track time → Artist → Song → Album → Track time

CD with MP3/WMA:

Track time → Artist → Album → Folder name → Track time

Track details:

Pushing and holding the <DISP> button will turn the display into a detailed overview and after a few seconds it returns to the main display, or push the <DISP> button briefly.

CD Eject button:

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

When the ignition switch is in the “OFF” or “LOCK” position it is possible to eject the CD currently being played. However the audio unit will not be activated.

If a CD is ejected by pushing the CD eject button, and it is not taken out from the loading slot within 8 seconds, the CD will automatically be reloaded to the slot to protect the CD.

FM-AM radio operation

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

FM·AM band select button:

When the <FM·AM> band select 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> band select button is pushed while another audio source is playing, the other audio source will turn off and the radio will turn on.

To change the radio bands, push the <FM·AM> band select button until the desired band appears.

FM 1 → FM 2 → FM T → AM → FM 1

During FM reception, when the <FM·AM> band select button is pushed for longer than 1.5 seconds, stations are searched for and the 6 stations of the FM T band are turned in. During the search, the notification message [AUTOSTORE] appears in the display and the sound is muted until the autostore operation is completed, upon which preset channel 1 is automatically tuned in.

ENTER dial:

When adjusting the broadcasting station frequency manually, turn the <TUNE/MENU/ENTER> dial until the preferred frequency is achieved.

The frequency changes in steps of 100 kHz on the FM band and 9 kHz on the AM band.

Fast Forward/Rewind buttons:

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

①②③④⑤⑥ (Radio memory) buttons:

During radio reception, pushing the radio memory button for less than 2 seconds will select the stored radio station.

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

To store the station frequency manually:

1. Tune to the desired broadcasting station frequency by using the ▶▶| |◀◀ 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 “Audio main operation” earlier 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 “Audio main operation” earlier 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> 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 function operates 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> 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 <TA> 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 play 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 <TA> 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 <TA> 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.

USB (Universal Serial Bus) Connection Port

Audio main operation:

The USB connection port is located above the glove box. See “USB (Universal Serial Bus) Connection Port” later in this section. Connect a USB memory device into the connector. The system will switch to the USB memory device mode automatically.

If the system is turned off while the USB memory device is playing, pushing the <Power/VOL> dial will start the USB memory device.

If the USB cannot be played, one of the following messages will be displayed.

- “USB memory device not supported”
- “No audio file detected”

WARNING

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

CAUTION

- **Do not force the USB device into the USB port. Inserting the USB device tilted or upside-down into the port may damage the port. Make sure that the USB device is connected correctly into the USB port. (Some USB devices come with a mark as a guide. Make sure that the mark is facing the correct direction before inserting the device.)**

- **Do not grab the USB port cover (where fitted) when pulling the USB device out of the port. This could damage the port and the cover.**
- **Do not leave the USB cable in a place where it can be pulled unintentionally. Pulling the cable may damage the port.**

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

AUX **AUX button:**

To operate the USB memory device use one of the following methods:

- Push the <AUX> button then turn the <TUNE/MENU/ENTER> dial to the USB item. Once highlighted, push <TUNE/MENU/ENTER> dial.
- Push the <AUX> button repeatedly until USB is highlighted, then push the <TUNE/MENU/ENTER> dial.

Audio main operation:

The following operations are identical to the audio main operation of the Compact Disc (CD) operation. For details, see "CD player operation" earlier in this section.

- List view
- Quick search
- ▶▶| |◀◀
- MIX (Random play)
- RPT (Repeat track)
- Folder browsing

DISP **DISP button:**

While a track with recorded music information tags (ID3-tags) is being played, the title of the played track is displayed. If the tags are not provided then a notification message is displayed.

When the <DISP> button is pushed repeatedly, further information about the track can be displayed along with the track title as follows:

Track time → Artist → Album → Folder name → Track time

Track details:

Pushing and holding the <DISP> button will turn the display into a detailed overview and after a few seconds it returns to the main display, or push the <DISP> button briefly.

iPod player operation

Connecting iPod:

The USB connection port is located above the glove box. Open the USB outlet connector lid (where fitted) and connect the iPod cable to the USB connector. The battery of the iPod is charged while the connection to the vehicle.

Depending on the version of the iPod, the display on the iPod shows a NISSAN or Accessory Attached screen when the connection is completed. When the iPod is connected to the vehicle, the iPod music library can only be operated by the vehicle audio controls.

* iPod and iPhone are a trademark of Apple Inc., registered in the U.S. and other countries.

WARNING

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

CAUTION

- **Do not force the USB device into the USB port. Inserting the USB device tilted or upside-down into the port may damage the port. Make sure that the USB device is connected correctly into the USB port. (Some USB devices come with a mark as a guide. Make sure that the mark is facing the correct direction before inserting the device.)**
- **Do not grab the USB port cover (where fitted) when pulling the USB device out of the port. This could damage the port and the cover.**
- **Do not leave the USB cable in a place where it can be pulled unintentionally. Pulling the cable may damage the port.**

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

Compatibility:

The following models are supported:

- Third generation iPhone (Firmware version IOS4/4.0)

- Fourth generation iPhone (Firmware version IOS4/4.0)
- Fifth generation iPod (Firmware version 1.3)
- First generation iPod Classic (Firmware version 1.1.1 or 1.1.2PC)
- Second generation iPod Classic (Firmware version 2.0.1)
- First generation iPod touch (Firmware version 1.1.5 or 2.2.1)
- Second and third generation iPod touch (Firmware version 2.2.1 or IOS4/4.0.0)
- First generation iPod nano (Firmware version 1.3.1)
- Second generation iPod nano (Firmware version 1.1.3)
- Third generation iPod nano (Firmware version 1.1.2PC or 1.1.3PC)
- Fourth generation iPod nano (Firmware version 1.0.2 or 1.0.4)
- Fifth generation iPod nano (Firmware version 1.0.1 or 1.0.2)

The iPod touch may not response quickly with the system in some cases.

Make sure that the iPod firmware is updated.

Operating tips:

- iPod Shuffle and iPod mini are not supported.
- Some iPod operations may not be available with this system.

AUX **AUX button:**

To operate the iPod use one of the following methods:

- Push the <AUX> button then turn the <TUNE/MENU/ENTER> dial for the USB item. Once highlighted, push the <TUNE/MENU/ENTER> dial.
- Push the <AUX> button repeatedly until USB is highlighted then push the <TUNE/MENU/ENTER> dial.

Audio main operation:

Interface:

The interface for iPod operation shown on the audio system display is similar to the iPod interface. Use the ENTER dial to play a track on the iPod.

The following items can be chosen from the menu list screen.

- Playlists
- Artists
- Albums
- Tracks
- Genres

For further information about each item, see the iPod owner's manual.

The following operations are identical to the audio main operation of the Compact Disc (CD) operation. For details, see "CD player operation" earlier in this section.

- List view
- Quick search
- ▶▶| |◀◀
- MIX (Random play)
- RPT (Repeat track)
- Folder browsing

DISP **DISP button:**

While a track with recorded music information tags (ID3-tags) is being played, the title of the played track is displayed. If the tags are not provided then a notification message is displayed.

When the <DISP> button is pushed repeatedly, further information about the track can be displayed along with the track title as follows:

Track time → Artist → Album → Folder name → Track time

Track details:

Pushing and holding the <DISP> button will turn the display into a detailed overview and after a few seconds it returns to the main display, or push the <DISP> button briefly.

Bluetooth® audio player operation

Regulatory information:

Bluetooth® is a trademark owned by Bluetooth SIG, Inc., and licensed to Daewoo IS Corp.

CE statement:

Hereby Daewoo IS Corp. declares that this system is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

NOTE

The audio system only supports Bluetooth® devices with AVRCP (Audio Video Remote Control Profile) version 1.3, or 1.0 or earlier.

Bluetooth® audio player setting:

To set up the Bluetooth® system with your preferred device, push the <SETUP> button and select [Bluetooth], then push the <TUNE/MENU/ENTER> dial or alternatively, push the phone button. The following items are available:

- Pair Device

  Bluetooth® devices can be paired with the system. A maximum of 5 devices can be registered.

- Select Device

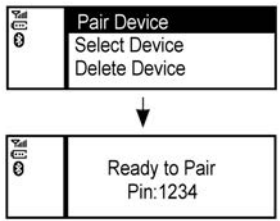
  Paired Bluetooth® devices are listed and can be selected for connection.

- Delete Device

  A registered Bluetooth® device can be deleted.

- On/Off

  If this setting is turned off, the connection between the Bluetooth® devices and the in-vehicle Bluetooth® module will be cancelled.



Pair Device:

1. Push the SETUP button. Select the Bluetooth® key turn the TUNE/MENU/ENTER dial. Then push the TUNE/MENU/ENTER dial.

   You can register up to 5 different Bluetooth® mobile phones. However, you can only use one device at a time. If you have 5 different Bluetooth® registered devices, a new device can only replace one of the 5 existing paired devices. Use Delete Device key to delete one of the existing paired devices.

2. Select the Pair Device key.

   The pairing procedure depends on the connected device:

- Mobile phone:

  The message Ready to Pair Pin:1234 will be displayed.

- Audio device without PIN code:

  The Bluetooth® connection will be automatically connected without any further input.

- Audio device with PIN code:

  A new screen will appear. Assign the 4 digit PIN code by turning the TUNE/MENU/ENTER dial to each code and push the TUNE/MENU/ENTER dial to confirm. Then select “Validate” and push TUNE/MENU/ENTER dial. The Bluetooth® connection will be made.

  The 4-digit PIN code is provided with the audio device, see the owner’s manual of the audio device.

3. On Bluetooth® audio/mobile phone devices.

a. Switch on the Bluetooth® connection, if not already switched on.

b. Switch on the search mode for Bluetooth® devices. If the search mode finds a device it will be shown on the device display.

c. When a device is found use the TUNE/MENU/ENTER dial to scroll to, and push the TUNE/MENU/ENTER dial to select My Car.

d. Enter the number code shown on the relevant device with the device's own keypad, and push the confirmation key on the device itself. Refer to the relevant Bluetooth® device owner's manual for further details.

When successfully paired a notification message will be displayed, then the audio system display will return to the current audio source display. During connection the following status icons will be displayed (top left of the display): Signal strength (), Battery status* () and Bluetooth® "ON" ( ).

*: If the low battery message comes on, the Bluetooth® device must be recharged soon.

The pairing procedure and operation may vary according to device type and compatibility. See the Bluetooth® owner's manual for further details.

Select Device:

The paired device list shows which Bluetooth® audio or mobile phone devices have been paired or registered with the Bluetooth® audio system. If the list contains devices then select the appropriate device to connect to the Bluetooth® audio system.

The following symbols indicate the capability of the registered device:

- : mobile phone integration
- : Audio streaming (A2DP- Advanced Audio Distribution Profile)

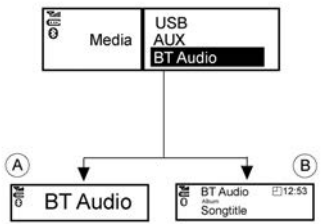
Delete Device:

A registered device can be removed from the Bluetooth® audio system. Select a registered device then push the <TUNE/MENU/ENTER> dial to confirm to deletion.

On/Off:

If Bluetooth® has been switched off a notification message On/Off appears when you select Bluetooth® from the setup menu screen, or push the phone button. To switch the Bluetooth® signal on, push the <TUNE/MENU/ENTER> dial and a follow up screen will appear. Then select ON and push the <TUNE/MENU/ENTER> dial to display the Bluetooth® settings menu screen.

Bluetooth® audio streaming main operation:



Place the ignition switch to the ACC or ON position. If the audio system was turned off while the Bluetooth® audio was playing, pushing the <Power/VOL> dial will start the Bluetooth® audio streaming.

AUX button:

To operate the Bluetooth® audio streaming use one of the following methods:

- Push the <AUX> button, then turn the <TUNE/MENU/ENTER> dial to highlight BT Audio, and push the <TUNE/MENU/ENTER> dial.
- Push the <AUX> button repeatedly until BT Audio is highlighted, then push the <TUNE/MENU/ENTER> dial.

The type of display, Ⓐ or Ⓑ, shown on the audio system can vary depending on the Bluetooth® version of the device.

Fast Forward/Rewind buttons:

Fast Forward, Fast Reverse:

When the ▶▶| or |◀◀ button is pushed continuously, the track will be played at high speed. When the button is released, the track will be played at normal playing speed.

Track up/down:

Pushing the ▶▶| or |◀◀ button once, the track will be skipped forward to the next track or backward to the beginning of the current played track. Push the ▶▶| or |◀◀ button more than once to skip through the tracks.

DISP **DISP button:**

If the song contains music information tags (ID3-tags), the title of the played song will be displayed. If tags are not provided then the display will not show any messages.

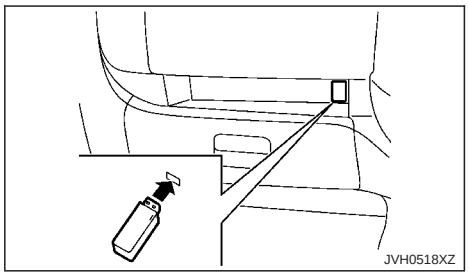
When the <DISP> button is pushed repeatedly further information about the song can be displayed along with the song title.

A long push on the <DISP> button will turn the display into a detailed overview which after a few seconds returns to the main display; or push the <DISP> button briefly.

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

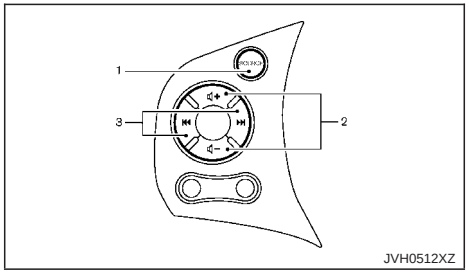
For details, see the separately provided NISSAN Connect Owner's Manual.

USB (Universal Serial Bus) CONNECTION PORT



The USB connection port is located above the glove box. Connect a USB memory device to the connector.

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.

<SOURCE> 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 to the available audio source.

VOLUME control switch

Push the <+> or <-> side of 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, USB, iPod):

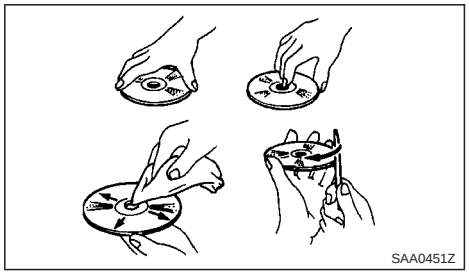
Push the tuning switch for less than 1.5 seconds to return to the beginning of the present programme or skip to the next programme. Push several times to skip back or skip through programs.

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.

Push the tuning switch for more than 1.5 seconds to fast forward or rewind through the track.

CD/USB MEMORY CARE AND CLEANING

CD


SAA0451Z

- Handle a disc by its edges. Never touch the surface of the disc. Do not bend the disc.
- Always place the discs in the storage case when they are not being used.
- To clean a disc, wipe the surface from the centre to the outer edge using a clean, soft cloth. Do not wipe the disc using a circular motion.

  Do not use a conventional record cleaner or alcohol intended for industrial use.
- A new disc may be rough on the inner and outer edges. Remove the rough edges by rubbing the inner and outer edges with the side of a pen or pencil as illustrated.

USB memory device

- Do not touch the terminal portion of the USB memory device.
- Do not place heavy objects on the USB memory device.
- Do not store the USB memory device in highly humid locations.
- Do not expose the USB memory device to direct sunlight.
- Do not spill any liquids on the USB memory device.

Refer to the USB memory device Owner's Manual for the details.

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.

NOTE

Wireless LAN (Wi-Fi) and the Bluetooth® functions share the same frequency band (2.4 GHz). Using the Bluetooth® and the wireless LAN functions at the same time may slow down or disconnect the communication and cause undesired noise. It is recommended that you turn off the wireless LAN (Wi-Fi) when using the Bluetooth® functions.

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

Your vehicle 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 for the other party to hear your voice during a call. Please close the windows if possible.

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.

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 due to the possibility of radio interference.
- 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

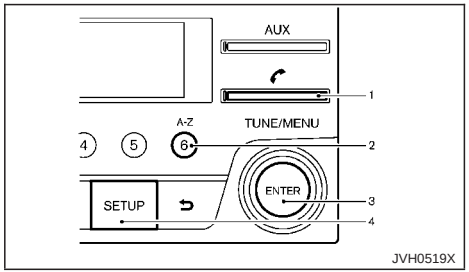
Bluetooth® trademark

Bluetooth® is a trademark owned by Bluetooth SIG, Inc. and licensed to Clarion Co. Ltd. and Daewoo IS Corp.

CE statement

Hereby “Clarion Co. Ltd” and Daewoo IS Corp. 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 PHONE SYSTEM



Buttons:

1. Phone button
2. A-Z button
3. ENTER dial
4. SETUP button

Microphone:

The microphone is located near the map light.

WARNING

While driving, using the mobile phone is extremely dangerous because it significantly impairs your concentration and diminishes your reaction capabilities to sudden changes on the road, and it may lead to a fatal accident. This applies to all phone call situations such as when receiving an incoming call, during a phone conversation, when calling through the phone book search, etc.

CAUTION

Certain country or region jurisdictions prohibit the use of the mobile phone in the car without hands-free support.

This chapter provides information about the NISSAN hands-free phone system using a Bluetooth® connection.

Bluetooth® is a wireless radio communication standard. This system offers a hands-free feature for your mobile phone to enhance driving comfort.

In order to use your mobile phone with the Bluetooth® of the audio system, the mobile phone must first be set up. Once it has been set up, the hands-free mode is automatically activated on the registered mobile phone (via Bluetooth®) when it comes into range.

A notification message appears on the audio display when the phone is connected, when an incoming call is being received, as well as when a call is initiated.

When a call is active, the audio system, microphone (located in the ceiling in front of the rearview mirror), and steering wheel switches enable hands-free communication.

If the audio system is in use at the time, the radio, CD, or AUX source mode will be muted and will stay muted until the active call has ended.

The Bluetooth® system may not be able to connect with your mobile phone for the following reasons:

- The mobile phone is too far away from the vehicle.
- The Bluetooth® mode on the mobile phone has not been activated.
- The mobile phone has not been paired with the Bluetooth® system of the audio unit.
- The mobile phone does not support Bluetooth® technology (BT Core v1.2, Hands Free Profile v1.0 and Object Push Profile v1.0).

NOTE

For details, see the mobile phone's owner's manual.

Hands-free phone setup

To set up the Bluetooth® system to pair with (connect or register) a preferred mobile phone, push the **SETUP** button, select [Bluetooth], and then push the **ENTER** dial. It is also possible to display the set up menu directly by pushing the button.

- Pair Device

  Bluetooth® mobile phones can be paired with the system. A maximum of 5 mobile phones can be registered.

- Select Device

  Paired Bluetooth® mobile phones are listed on the display and can be selected for connection.

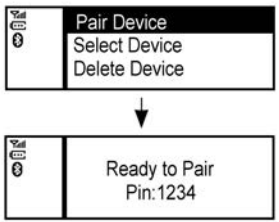
- Delete Device

  A registered Bluetooth® mobile phone can be deleted.

- On/Off

  If this setting is turned off, the connection between the Bluetooth® devices and the in-vehicle Bluetooth® module will be cancelled.

Pair Device:



1. Push the **SETUP** button. Select [Bluetooth] by turning the <TUNE/MENU/ENTER> dial, and then push the **ENTER** dial.

   You can register up to 5 different Bluetooth® audio/mobile phone devices. However, you can only use one device at a time. If you have 5 different Bluetooth® devices, a newly registered device can only replace one of the already registered 5 existing paired devices. Use the [Delete Device] key to delete one of the existing paired devices.

2. Select [Pair Device].

   The message [Ready to Pair Pin:1234] will be displayed.

3. On Bluetooth® mobile phone devices:

   a. Check that Bluetooth® is turned on, on your device.

   b. Switch to the search mode for Bluetooth® devices. If the search mode finds a device it will be shown on the device display. Select My Car.

   c. Enter the number code shown on the relevant device with the device's own keypad, and push the confirmation key on the device itself. Refer to the relevant Bluetooth® device owner's manual for further details.

When successfully paired, a notification message will be displayed. During the connection the following status icons will be displayed (top left of display): Signal strength ( ), Battery status ( ) and Bluetooth® ( ).

*: If the low battery message comes on, the Bluetooth® device must be recharged soon.

Select Device:

The paired device list shows which Bluetooth® audio or mobile phone devices have been paired or registered with the Bluetooth® audio system. If the list contains devices, select the appropriate device to connect to the Bluetooth® audio system.

The following symbols indicate the capability of the registered device:

- : mobile phone integration
- : Audio streaming (A2DP- Advanced Audio Distribution Profile)

Delete Device:

A registered device can be removed from the Bluetooth® audio system. Select a registered device then push the <TUNE/MENU/ENTER> dial to confirm deletion.

On/Off:

If Bluetooth® has been switched off, a notification message On/Off appears when you select Bluetooth® from the setup menu screen, or push the button. To turn the Bluetooth® signal on, push the <TUNE/MENU/ENTER> dial and a follow up screen will appear. Select [On] and push the <TUNE/MENU/ENTER> dial to display the Bluetooth® settings menu screen.

Making a call

The hands-free mode can be operated using the button on the audio system, or on the steering wheel.

Initiating a call:

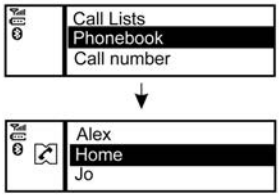
A call can be initiated using one of the following methods:

- Redial
- Phone book
- Manual dialling
- Missed calls
- Dialled calls
- Received calls

Redial:

To redial or call the last number dialled, push the Phone button for more than 2 seconds.

Making a call from the phone book:



Once the Bluetooth® connection is made between the registered mobile phone and the audio system, phone book data will be transferred automatically to the audio system. The transfer may take a while before completion.

The phone book data is available only when the phone is connected to the system. The system downloads the latest phone book data each time the phone is connected.

To dial a contact from the phone book proceed as follows:

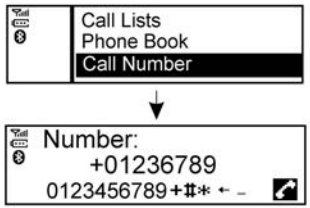
1. Push the button.
2. Turn the **ENTER** dial to scroll down to Phone Book and then push the **ENTER** dial.
3. Scroll down through the list, select the appropriate contact name (highlighted), and push the **ENTER** dial.
4. A screen will show the number to be dialled. If correct, push the **ENTER** dial again to dial the number.

   If more than one number is assigned to a contact, scroll to select the appropriate number to dial.

Alternatively, the quick search mode can be used as follows:

1. Push the **SETUP** button.
2. Turn the **ENTER** dial for the first alphabetic or numerical letter of the contact name. Once highlighted, push the **ENTER** dial to select the letter.
3. The display will show the corresponding contact name(s). Where necessary, use the **ENTER** dial again to scroll further for the appropriate contact name to call.
4. A screen will show the number to be dialled. If correct, push the **ENTER** dial again to dial the number.

Manually dialling a phone number:



WARNING

Park the vehicle in a safe location, and apply the parking brake before making a call.

To dial a phone number manually use the audio system display (virtual keyboard pad) as follows:

1. Push the button, and turn the **ENTER** dial to highlight “Call Number”.
2. Push the **ENTER** dial to select “Call Number”.
3. Turn the **ENTER** dial to scroll along, and select each number of the phone number. Once highlighted, push the **ENTER** dial after each number selection.

To delete the last number entered scroll to the "←" (Backspace) symbol, and once highlighted push the **ENTER** dial. The last number will be deleted. Pushing the **ENTER** dial repeatedly will delete each subsequent number.

4. After entering the last number, scroll to the " " symbol, and push the **ENTER** dial, or push the button to dial the number.

Call lists:

A number from the dialled, received, or missed call lists can also be used to make a call.

- Dialled call

  Use the dialled call mode to make a call which is based on the list of outgoing (dialled) calls.

- Received call

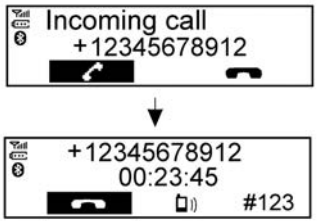
  Use the received call mode to make a call which is based on the list of received calls.

- Missed call

  Use the missed call mode to make a call which is based on the list of missed calls.

1. Push the button, and select "Call Lists".
2. Turn the **ENTER** dial to scroll to an item, and push the **ENTER** dial to select it.
3. Scroll to the preferred phone number and then push the **ENTER** dial, or push the button to dial the number.

Receiving a call



When receiving an incoming call, the display will show the caller's phone number (or a notification message that the caller's phone number cannot be shown):

- Answer the call by pushing the button briefly, or push the **ENTER** dial.
- End the call, after the conversation, by:
  - Pushing the button briefly again.
  - Pushing the **ENTER** dial when the " " symbol is highlighted.

    If " " is not highlighted, turn the **ENTER** dial to " ", and push the **ENTER** dial.
- Reject the call by selecting the " " symbol on the screen using the **ENTER** dial and pushing the **ENTER** dial to select it.

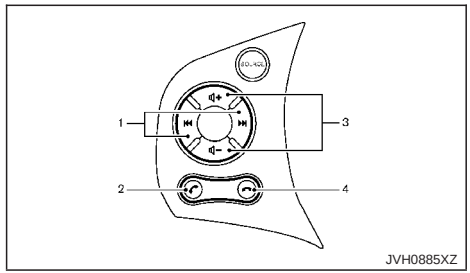
During a call:

During a call, by scrolling and pushing the **ENTER** dial, you can select the following options:

- "#123" — Use this item to enter numbers during a call. For example, if directed by an automated phone system to dial an extension number the system will send the tone associated with the selected number.
- " " — Use this item (the transfer handset command) to transfer the call from the audio system to your mobile phone.

  To transfer the call back to hands-free via the audio system select " ".

Steering wheel switch for Bluetooth®



1. SEEK button
2. Phone send button
3. Volume control switch
4. Phone end button

The hands-free mode can be operated using the controls on the steering wheel.

SEEK button:

Push to select the phone menu.

Phone send button:

The button can be used as follows.

- Push the button to accept an incoming call.
- Push and hold the button to redial the last outgoing call.

Volume control switch:

Push the <+> or <–> side of the volume control switch to adjust the volume of the speakers.

Phone end button:

The button can be used as follows.

- Push the button to reject an incoming call.
- Push the button to end an active call.

5 Starting and driving

Running-in schedule 5-2
Before starting the engine 5-2
Precautions when starting and driving 5-2
Exhaust gas (carbon monoxide) 5-3
Three-way catalyst (Petrol engine models) 5-3
Tyre Pressure Monitoring System (TPMS) (where fitted) 5-4
Care when driving 5-6
Engine cold start period 5-6
Loading luggage 5-6
Driving in wet conditions 5-6
Driving in winter conditions 5-6
Ignition switch (Models without intelligent Key system) 5-7
Automatic Transmission (AT)/Continuously Variable Transmission (CVT) 5-7
Manual transmission (MT) 5-7
Steering lock 5-7
Key positions 5-8
Push-button ignition switch (model with Intelligent Key system) 5-8
Precautions on push-button ignition switch operation 5-8
Intelligent Key system 5-8
Steering lock 5-9
Ignition switch positions 5-10
Intelligent Key battery discharge 5-10
Starting engine (Models without Intelligent Key system) 5-11
Starting engine (Models with Intelligent Key system) 5-12
Driving vehicle 5-12
Driving with Automatic Transmission (AT) 5-12
Driving with Continuously Variable Transmission (CVT) 5-15
Driving with Manual Transmission (MT) 5-19
Stop/Start System (where fitted) 5-20
Normal operation 5-20
Stop/Start System display and indicators 5-22
Precautions on Stop/Start 5-23
Stop/Start System OFF switch 5-23
Electronic Stability Programme (ESP) system 5-24
Electronic Stability Programme (ESP) OFF switch 5-25
Speed limiter (where fitted) 5-25
Speed limiter operations 5-25
Cruise control (where fitted) 5-28
Precautions on cruise control 5-28
Cruise control operations 5-28
Parking 5-30
Sonar (parking sensor) system (where fitted) 5-32
Parking Sensor Indicator 5-33
Parking space measurement operation (where fitted) 5-33
Trailer towing 5-36
Electric power steering 5-36
Brake system 5-37
Brake precautions 5-37
Brake assist (where fitted) 5-38

Anti-lock Braking System (ABS) (where fitted) 5-38
Using the system 5-38
Self-test feature 5-38
Normal operation 5-39
Vehicle security 5-39
Cold weather driving 5-39
Battery 5-40
Engine coolant 5-40
Tyre equipment 5-40
Special winter equipment 5-40
Parking brake 5-40
Corrosion protection 5-40

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.**

NOTE

During the first few months after purchasing a new vehicle, if you smell strong odours of Volatile Organic Compounds (VOCs) inside the vehicle, ventilate the passenger compartment thoroughly. Open all the windows before entering or while in the vehicle. In addition, when the temperature in the passenger compartment rises, or when the vehicle is parked in direct sunlight for a period of time, turn off the air recirculation mode of the air conditioner and/or open the windows to allow sufficient fresh air into the passenger compartment.

EXHAUST GAS (carbon monoxide)

WARNING

- **Do not breathe exhaust gas; it contains 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 (Petrol engine models)

WARNING

- **The exhaust gas and the exhaust system are very hot. Keep people, animals and flammable materials away from the exhaust system components.**
- **Do not stop or park the vehicle over flammable materials such as dry grass, wastepaper or rags. They may ignite and cause a fire.**

The three-way catalyst is an emission control device installed in the exhaust system. Exhaust gas in the three-way catalyst is burned at high temperatures to help reduce pollutants.

CAUTION

- **Do not use leaded petrol. For details, see "Fuel information" 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.**

TYRE PRESSURE MONITORING SYSTEM (TPMS) (where fitted)

Each tyre, including the spare (where fitted), should be checked monthly when cold and inflated to the inflation pressure recommended by the vehicle manufacturer on the vehicle placard or tyre inflation pressure label. (If your vehicle has tyres of a different size than the size indicated on the vehicle placard or tyre inflation pressure label, you should determine the proper tyre inflation pressure for those tyres.)

As an added safety feature, your vehicle has been equipped with a Tyre Pressure Monitoring System (TPMS) that illuminates a low tyre pressure warning light when one or more of your tyres is significantly under-inflated. Accordingly, when the low tyre pressure warning light illuminates, you should stop the vehicle and check the tyres as soon as possible, and inflate them to the proper pressure. Driving on a significantly under-inflated tyre causes the tyre to overheat and can lead to tyre failure. Under-inflation also reduces fuel efficiency and tyre tread life, and may affect the vehicle's handling and stopping ability.

Please note that the TPMS is not a substitute for proper tyre maintenance, and it is the driver's responsibility to maintain correct tyre pressure, even if under-inflation has not reached the level to trigger the illumination of the TPMS low tyre pressure warning light.

Your vehicle has also been equipped with a TPMS malfunction warning light to indicate when the system is not operating properly. The TPMS malfunction warning light is combined with the low tyre pressure warning light. When the system detects a malfunction, the warning light will flash for approximately one minute and then remain continuously illuminated. This sequence will continue upon subsequent vehicle start-ups as long as the malfunction exists. When the malfunction warning light is illuminated, the system may not be able to detect or signal low tyre pressure as intended. TPMS malfunctions may occur for a variety of reasons, including the installation of replacement or alternate tyres or wheels on the vehicle that prevent the TPMS from functioning properly. Always check the TPMS malfunction warning light after replacing one or more tyres or wheels on your vehicle to ensure that the replacement or alternate tyres and wheels allow the TPMS to continue to function properly.

Additional information

- The TPMS does not monitor the tyre pressure of the spare tyre.
- The TPMS will activate only when the vehicle is driven at speeds above 25 km/h (16 MPH). Also, this system may not detect a sudden drop in tyre pressure (for example a flat tyre while driving).
- The low tyre pressure warning light may not automatically turn off when the tyre pressure is adjusted. After the tyre is inflated to the recommended pressure, reset the tyre pressures registered in your vehicle and then drive the vehicle at speeds above 25 km/h (16 MPH) to activate the TPMS and turn off the low tyre pressure warning light.
- Depending on a change in the outside temperature, the low tyre pressure warning light may illuminate even if the tyre pressure has been adjusted properly. Adjust the tyre pressure to the recommended COLD tyre pressure again when the tyres are cold, and reset the TPMS.

For additional information, see "Low tyre pressure/ Tyre Pressure Monitoring System (TPMS) malfunction warning light (where fitted)" in the "2. Instruments and controls" section.

WARNING

- **If the low tyre pressure warning light illuminates while driving, avoid sudden steering manoeuvres or abrupt braking, reduce vehicle speed, pull off the road to a safe location and stop the vehicle as soon as possible. Driving with under-inflated tyres may permanently damage the tyres and increase the likelihood of tyre failure. Serious vehicle damage could occur and may lead to an accident and could result in serious personal injury. Check the tyre pressure for all four tyres. Adjust the tyre pressure to the recommended COLD tyre pressure shown on the tyre placard to turn the low tyre pressure warning light off. If the light still illuminates while driving after adjusting the tyre pressure, a tyre may be flat. If you have a flat tyre, replace it with a spare tyre as**

soon as possible. (See “Flat tyre” in the “6. In case of emergency” section for changing a flat tyre.)

- **After adjusting the tyre pressure, be sure to reset the TPMS. Otherwise, the TPMS will not warn of low tyre pressure.**
- **When a spare tyre is mounted or a wheel is replaced, the TPMS will not function and the low tyre pressure warning light will flash for approximately 1 minute. The light will remain on after the 1 minute. Contact a NISSAN dealer or qualified workshop as soon as possible for tyre replacement and/or system resetting.**
- **Replacing tyres with those not originally specified by NISSAN could affect the proper operation of the TPMS.**
- **Do not inject any tyre liquid or aerosol tyre sealant into the tyres, as this may cause a malfunction of the tyre pressure sensors (for models not equipped with the emergency tyre puncture repair kit).**
- **NISSAN recommends using only Genuine NISSAN Emergency Tyre Sealant provided with your vehicle. Other tyre sealants may damage the valve stem seal which can cause the tyre to lose air pressure (for models equipped with the emergency tyre puncture repair kit).**

CAUTION

- **The TPMS may not function properly when the wheels are equipped with tyre chains or the wheels are buried in snow.**
- **Do not place metalised film or any metal parts (antenna, etc.) on the windows. This may cause poor reception of the signals from the tyre pressure sensors, and the TPMS will not function properly.**

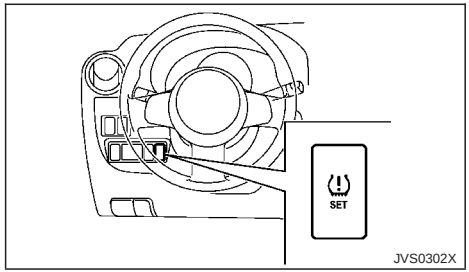
Some devices and transmitters may temporarily interfere with the operation of the TPMS and cause the low tyre pressure warning light to illuminate. Some examples are:

- Facilities or electric devices using similar radio frequencies are near the vehicle.
- If a transmitter set to similar frequencies is being used in or near the vehicle.
- If a computer (or similar equipment) or a DC/AC converter is being used in or near the vehicle.

TPMS resetting

To keep the TPMS functioning properly, the reset operation must be performed in the following cases.

- when the tyre pressure is adjusted
- when a tyre or a wheel is replaced
- when the tyres are rotated



TPMS reset switch

Perform the following procedures to reset the TPMS.

1. Park the vehicle in a safe and level place.
2. Apply the parking brake and place the shift lever in the “P” (Park) position (for Continuously Variable Transmission (CVT) models) or in the “N” (Neutral) position (for Manual Transmission (MT) models).
3. Adjust the tyre pressure on all four tyres to the recommended COLD tyre pressure shown on the tyre placard. Use a tyre pressure gauge to check the tyre pressure.
4. Place the ignition switch in the “ON” position. Do not start the engine.
5. Push and hold the TPMS reset switch until the low tyre pressure warning light in the meter flashes. The system cannot be reset during driving.

6. After resetting the TPMS, drive the vehicle at speeds above 25 km/h (16 MPH).

If the low tyre pressure warning light illuminates after the resetting operation, it may indicate that the TPMS is not functioning properly. Have the system checked by a NISSAN dealer or qualified workshop.

For information regarding the low tyre pressure warning light, see “Low tyre pressure/Tyre Pressure Monitoring System (TPMS) malfunction warning light (where fitted)” in the “2. Instruments and controls” section.

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

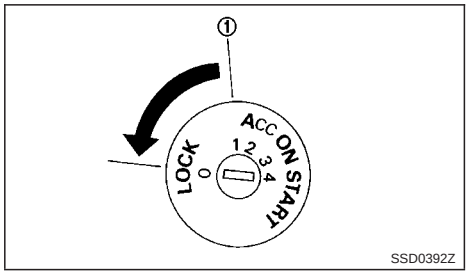
- Drive safely.
- Avoid starting off, accelerating or stopping suddenly.
- Avoid sharp turns or lane changes.
- Avoid sudden steering actions.
- Extra distance should be kept from the vehicle in front.

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.

AUTOMATIC TRANSMISSION (AT)/CONTINUOUSLY VARIABLE TRANSMISSION (CVT)



The ignition lock is designed so that the ignition switch cannot be turned to the “LOCK” position until the shift lever is moved to the P (Park) position. When moving the ignition switch to the “LOCK” position, to remove the key from the ignition switch, make sure the shift lever is in the P (Park) position.

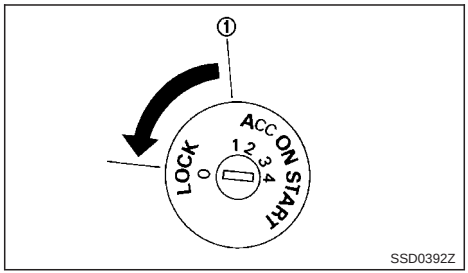
When the ignition switch cannot be turned to the “LOCK” position:

1. Move the shift lever to the P (Park) position.
2. Turn the ignition switch slightly 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.

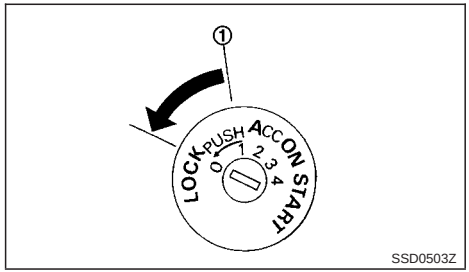
If the ignition switch is turned to the “LOCK” position, the shift lever cannot be moved from the P (Park) position. The shift lever can be moved if the ignition switch is in the “ON” position with the foot-brake pedal depressed.

The “OFF” position ① is between the “LOCK” and “ACC” positions, although it is not marked on the ignition switch.

MANUAL TRANSMISSION (MT)



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.

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 shift lever to the P (Park) position (for Automatic Transmission (AT)/Continuously Variable Transmission (CVT) models) or to the N (Neutral) position (for Manual Transmission (MT) models).

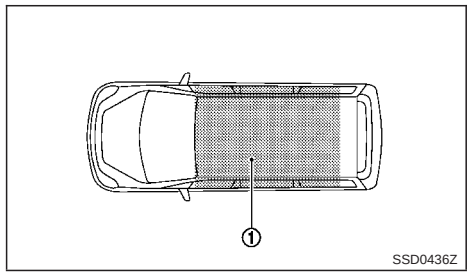
INTELLIGENT KEY SYSTEM

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. Some indicators and warnings for operation are displayed on the vehicle information display (where fitted) and/or in the meter. (See “Vehicle information display (where fitted)” in the “2. Instruments and controls” section and “Warning/indicator lights and audible reminders” 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.

Automatic Transmission (AT)/Continuously Variable Transmission (CVT) models

The ignition lock is designed so that the ignition switch cannot be switched to the "LOCK" position until the shift lever is moved to the P (Park) position. When pushing the ignition switch to the "OFF" position, make sure the shift lever is in the P (Park) position.

Type A (model with vehicle information display):

When the ignition switch cannot be switched to the "LOCK" position:

1. [SHIFT P] warning appears on the vehicle information display and a chime sounds.
2. Move the shift lever to the P (Park) position.
3. If the ignition switch is in the "ACC" position, the [PUSH] warning appears on the vehicle information display.
4. Push the ignition switch. The ignition switch is switched to the "ON" position.
5. The [PUSH] warning appears again on the vehicle information display.
6. Push the ignition switch. The ignition switch is switched to the "OFF" position.
7. Open the door. The ignition switch will change to the "LOCK" position.

For warnings and indicators on the vehicle information display, see "Vehicle information display (where fitted)" in the "2. Instruments and controls" section.

Type B (model without vehicle information display):

1. Move the shift lever to the P (Park) position.
2. Push the ignition switch to the "OFF" position.
3. Open the door. The ignition switch will change to the "LOCK" position.

If the ignition switch is switched to the "LOCK" position, the shift lever cannot be moved from the P (Park) position. The shift lever can be moved if the ignition switch is in the "ON" position with the foot-brake depressed.

STEERING LOCK

The ignition switch is equipped with an 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

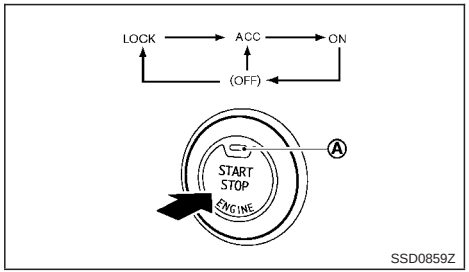
Push the ignition switch, and the steering wheel will be automatically unlocked.

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 (Automatic Transmission (AT)/Continuously Variable Transmission (CVT) models) or the clutch pedal (Manual Transmission (MT) 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 Ⓐ 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.

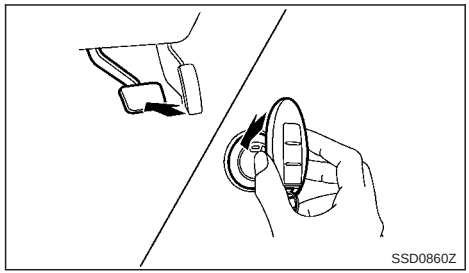
CAUTION

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.

NOTE

When the ignition switch is pushed while the Stop/Start System (where fitted) is activated, the ignition switch will be placed in the “OFF” position.

INTELLIGENT KEY BATTERY DISCHARGE



If the battery of the Intelligent Key is discharged, or environmental conditions interfere with the Intelligent Key operation, start the engine according to the following procedure:

1. **Automatic Transmission (AT)/Continuously Variable Transmission (CVT) models:**

   Move the shift lever to the P (Park) or N (Neutral) position.

   Manual Transmission (MT) models:

   Move the shift lever to the N (Neutral) position.

2. Firmly depress the brake pedal (Automatic Transmission/Continuously Variable Transmission models) or the clutch pedal (Manual Transmission models).
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.)**

1. Apply the parking brake.
2. Depress the footbrake pedal.
3. **Automatic Transmission (AT)/Continuously Variable Transmission (CVT) models:**

   Move the shift lever to the P (Park) or N (Neutral) position.

   The starter is designed to operate only when the shift lever is in the proper position.

   Manual Transmission (MT) models:

   Move the shift lever to the N (Neutral) position, and depress the clutch pedal to the floor while starting the engine.
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.

1. Apply the parking brake.
2. **Automatic Transmission (AT)/Continuously Variable Transmission (CVT) models:**

   Move the shift lever to the P (Park) or the N (Neutral) position.

   The starter is designed to operate only when the shift lever is in the proper position.

   Manual Transmission (MT) 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 (AT/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. Immediately release the ignition switch when the engine starts. If the engine starts, but fails to run, repeat the above procedures.

   If the engine is very hard to start in extremely cold or hot weather, depress the accelerator pedal and hold it. Push the ignition switch for up to 15 seconds while holding. Release the accelerator pedal when the engine starts.

CAUTION

- **As soon as the engine has started, release the ignition switch immediately.**
- **Do not operate the starter for more than 15 seconds at a time. If the engine does not start, push the ignition switch to the "OFF" position and wait 10 seconds before cranking the engine again. Otherwise, the starter could be damaged.**
- **If it becomes necessary to start the engine with a booster battery and jumper cables, the instructions and cautions contained in the "6. In case of emergency" section should be carefully followed.**

5. Allow the engine to idle for at least 30 seconds after starting the engine to warm-up. Drive at moderate speeds for a short distance first, especially in cold weather.

   CAUTION

   Do not leave the vehicle unattended while the engine is warming up.
6. To stop the engine, move the shift lever to the P (Park) position (AT/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 AUTOMATIC TRANSMISSION (AT)

The Automatic Transmission (AT) in your vehicle is electronically controlled to produce maximum power and smooth operation.

The recommended operating procedures for this transmission are shown on the following pages. Follow these procedures for maximum vehicle performance and driving enjoyment.

WARNING

Do not downshift abruptly on slippery roads. This may cause a loss of control.

CAUTION

- **The cold engine idle speed is high, so use caution when shifting the transmission into a forward or reverse position before the engine has warmed up.**
- **Avoid revving up the engine while the vehicle is stopped. This could cause unexpected vehicle movement.**
- **Never shift to either the "P" (Park) or "R" (Reverse) position while the vehicle is moving forward and "P" (Park) or "D" (Drive) position while the vehicle is reversing. This could cause an accident or damage the transmission.**

- **Except in an emergency, do not shift to the “N” (Neutral) position while driving. Coasting with the transmission in the “N” (Neutral) position may cause serious damage to the transmission.**
- **Start the engine in either the “P” (Park) or “N” (Neutral) position. The engine will not start in any other position. If it does, have your vehicle checked by a NISSAN dealer 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 shifting the shift lever out of the “P” (Park) position.
2. Keep the footbrake pedal depressed and move the shift lever to a driving position.
3. Release the parking brake, the footbrake pedal, and then gradually start the vehicle in motion.

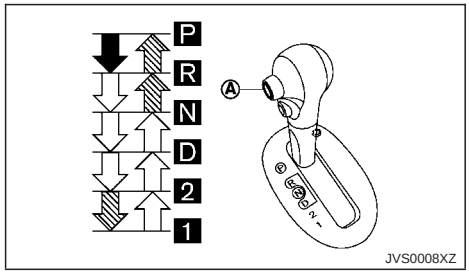
The AT is designed so the footbrake pedal MUST be depressed before shifting from the “P” (Park) position to any driving position while the ignition switch is in the “ON” position.

The shift lever cannot be moved out of the “P” (Park) position and into any of the other gear positions if the ignition switch is turned to the “LOCK”, “OFF” or “ACC” position or if the key is removed.

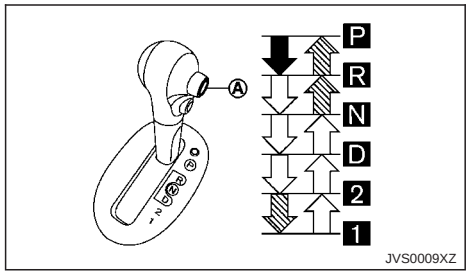
CAUTION

- **DEPRESS THE FOOTBRAKE PEDAL - Shifting the shift lever to “D”, “R”, “2” or “1” 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 shift lever.**
- **MAKE SURE OF THE SHIFT LEVER POSITION - Make sure the shift lever is in the desired position. “D”, “2” and “1” are used to move forward and “R” to back up.**
- **WARM UP THE ENGINE - Due to the higher idle speeds when the engine is cold, extra caution must be exercised when shifting the shift lever into the driving position immediately after starting the engine.**

Shifting gear



Left-Hand Drive (LHD) model



Right-Hand Drive (RHD) model

➡: Push the button Ⓐ while depressing the footbrake pedal.

▨➡: Push the button Ⓐ.

⇨: Just move the shift lever.

WARNING

- **Apply the parking brake if the shift lever is in any position while the engine is not running. Failure to do so could cause the vehicle to move unexpectedly or roll away and result in serious personal injury or property damage.**
- **If the shift 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 footbrake pedal, push the shift lever button and move the shift lever out of the P (Park) position.

If the ignition switch is the OFF or ACC position for any reason while the shift lever is in any positions other than the P (Park) position, the ignition switch cannot be turned to the LOCK position.

If the ignition switch cannot be 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 shift lever to the P (Park) position.
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.

P (Park):

Use this position when the vehicle is parked or when starting the engine. **Make sure that the vehicle is completely stopped and move the shift lever into the P (Park) position.** Apply the parking brake. When parking on a hill, apply the parking brake first, and then move the shift lever into the P (Park) position.

R (Reverse):

Use this position to back up. Make sure that the vehicle is completely stopped before selecting the R (Reverse) position.

N (Neutral):

Neither the forward nor reverse gear is engaged. The engine can be started in this position. You may shift to the N (Neutral) position and restart a stalled engine while the vehicle is moving.

D (Drive):

Use this position for all normal forward driving.

2 (Second gear):

Use this position for climbing hills or engine braking on downhill grades.

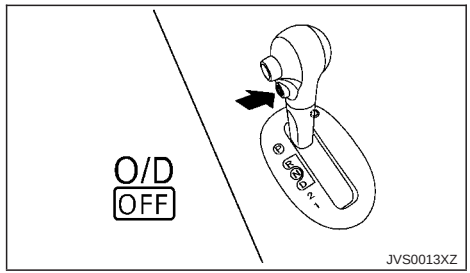
1 (Low gear):

Use this position when climbing steep hills slowly or driving slowly through deep snow, or for maximum engine braking on steep downhill grades.

Do not shift into the gears when the vehicle speed exceeds the following limits, otherwise the engine may over-rev and cause engine damage.

Engine model	Shift lever position	
	1	2
HR12DE km/h (MPH)	45 (28)	90 (56)

Overdrive switch



Left-Hand Drive (LHD) model

Each time the engine is started, the overdrive function is automatically reset to “ON”.

“ON” position:

With the engine running and the shift lever in the “D” (Drive) position, the transmission upshifts into the overdrive as vehicle speed increases.

Overdrive does not engage until the engine has reached operating temperature.

“OFF” position:

For driving up and down long slopes where engine braking is necessary, push the overdrive switch. The overdrive off indicator light O/D OFF in the meter panel illuminates.

When cruising at a low speed or climbing a gentle slope, you may feel uncomfortable shift shocks as the transmission shifts into and out of the overdrive repeatedly. In this case, push the overdrive switch to turn the overdrive “OFF”.

When driving conditions change, push the overdrive switch to turn the overdrive “ON”. The overdrive off indicator light will turn off.

Remember not to drive at high speeds for extended periods of time with the overdrive “OFF”. This reduces fuel economy.

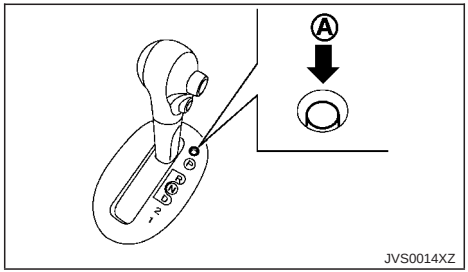
Accelerator downshift - in D (Drive) position

For passing or climbing hills, depress the accelerator pedal to the floor. This shifts the transmission down into a lower gear, depending on the vehicle speed.

Shift lock release

If the battery is discharged, the shift lever may not be moved from the “P” (Park) position even with the footbrake pedal depressed.

To move the shift lever, release the shift lock. The shift lever can be moved to the “N” (Neutral) position. However, the steering wheel will be locked unless the ignition switch is placed in the “ON” position. This allows the vehicle to be moved if the battery is discharged.



Right-Hand Drive (RHD) model

To release the shift lock, perform the following procedure

1. Models with Intelligent KEY system: Place the ignition switch in the “OFF” or “LOCK” position.

   Models without Intelligent KEY system: Place the ignition switch in the “LOCK” position and remove the key if it is inserted.
2. Apply the parking brake.
3. Depress the shift lock release button Ⓐ.
4. Push and hold the shift lever button and move the shift lever to the “N” (Neutral) position while holding down the shift lock release button.
5. Place the ignition switch in the “ON” position to release the steering wheel lock.

The vehicle may be moved, by pushing, to the desired location.

If the shift lever cannot be moved out of the “P” (Park) position, have a NISSAN dealer check the AT system as soon as possible.

Fail-safe

When the fail-safe operation occurs, the AT will be locked in third gear.

If the vehicle is driven under extreme conditions, such as excessive wheel spinning and subsequent hard braking, the fail-safe system may be activated. This will occur even if all electrical circuits are functioning properly. In this case, turn the ignition switch off and wait for 3 seconds. Then turn the ignition switch back to the “ON” position. The vehicle should return to its normal operating condition. If it does not return to its normal operating condition, have a NISSAN dealer check the transmission and repair it if necessary.

DRIVING WITH CONTINUOUSLY 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 forward and "P" (Park) or "D" (Drive) position while the vehicle is reversing. This could cause an accident or damage the transmission.**
- **Except in an emergency, do not shift to the "N" (Neutral) position while driving. Coasting with the transmission in the "N" (Neutral) position may cause serious damage to the transmission.**
- **Start the engine in either the "P" (Park) or "N" (Neutral) position. The engine will not start in any other position. If it does, have your vehicle checked by a NISSAN dealer 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

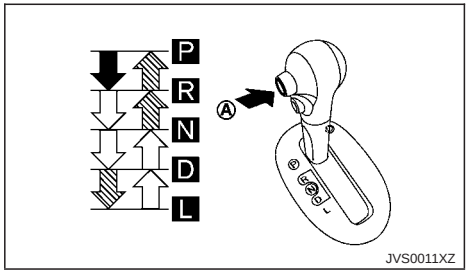
1. After starting the engine, fully depress the footbrake pedal before moving the shift lever out of the "P" (Park) position.
2. Keep the footbrake pedal depressed and move the shift lever to a driving position.
3. Release the parking brake, the footbrake pedal, and then gradually start the vehicle in 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.

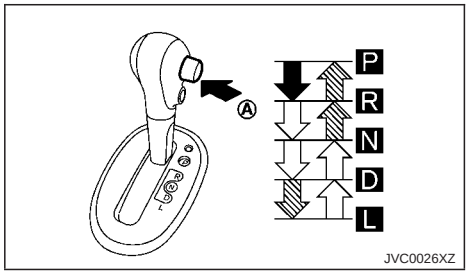
The shift lever cannot be moved out of the "P" (Park) position and into any of the other positions if the ignition switch is placed in the "LOCK", "OFF" or "ACC" position or if the key is removed.

CAUTION

- **DEPRESS THE FOOTBRAKE PEDAL - Shifting the shift 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 shift lever.**
- **MAKE SURE OF THE SHIFT LEVER POSITION - Make sure the shift lever is in the desired position. "D" and "L" are used to move forward and "R" to reverse.**
- **WARM UP THE ENGINE - Due to the higher idle speeds when the engine is cold, extra caution must be exercised when shifting the shift lever into the driving position immediately after starting the engine.**



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 shift lever is in any position while the engine is not running. Failure to do so could cause the vehicle to move unexpectedly or roll away and result in serious personal injury or property damage.**
- **If the shift lever cannot be moved from the "P" (Park) position while the engine is running and the 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 footbrake pedal, push the shift lever button and move the shift lever out of the "P" (Park) position.

If the ignition switch is placed in the "OFF" or "ACC" position for any reason while the shift lever is in any positions other than the "P" (Park) position, the ignition switch cannot be placed in the "LOCK" position.

If the ignition switch cannot be placed in the "LOCK" position, perform the following steps:

1. Apply the parking brake.
2. Place the ignition switch in the "ON" position while depressing the footbrake pedal.
3. Move the shift lever to the "P" (Park) position.
4. **Models with Intelligent Key system:**

   Place the ignition switch in the "OFF" position.

   Models without Intelligent Key system:

   Place the ignition switch in the "LOCK" position.

P (Park):

Use this position when the vehicle is parked or when starting the engine. **Make sure that the vehicle is completely stopped and move the shift lever into the "P" (Park) position.** Apply the parking brake. When parking on a hill, first depress the footbrake pedal, apply the parking brake, and then move the shift 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.

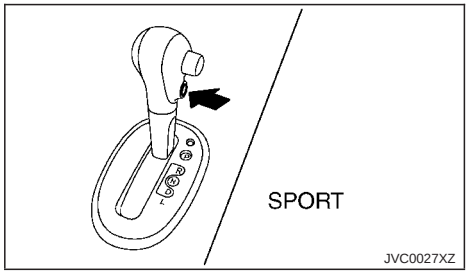
D (Drive):

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 shift lever in the “D” (Drive) position. The SPORT mode indicator light SPORT in the meter panel illuminates. To turn off the SPORT mode, push the SPORT mode switch again. The SPORT mode indicator light will turn off. When the shift lever is shifted to any position other than “D”, the SPORT mode will be automatically turned off.

“OFF” position:

For normal driving and fuel economy, use the “OFF” position.

“ON” position:

For driving up or down long slopes where engine braking is necessary, or for powerful acceleration, use the “ON” position. The transmission will automatically select a different gear ratio, allowing the engine to provide high output.

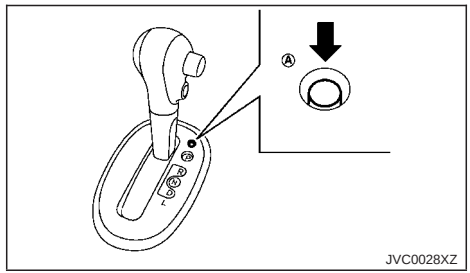
When driving conditions change, push the switch to turn the SPORT mode off.

Remember not to drive at high speeds for extended periods of time with the SPORT mode in the “ON” position. This reduces fuel economy.

Accelerator downshift - in the “D” position -

For passing or climbing hills, depress the accelerator pedal to the floor. This shifts the transmission down into a lower gear, depending on the vehicle speed.

Shift lock release



Right-Hand Drive (RHD) model

If the battery charge is low or discharged, the shift lever may not be moved from the “P” (Park) position even with the brake pedal depressed and the shift lever button pushed.

To move the shift lever, perform the following procedure:

1. **Models with Intelligent Key system:**

   Place the ignition switch in the “OFF” or “LOCK” position.

   Models without Intelligent Key system:

   Place the ignition switch in the “LOCK” position, and remove the key if it is inserted.
2. Apply the parking brake.
3. Depress the shift lock release button.
4. Push the shift lever button and move the shift lever to the “N” (Neutral) position while holding down the shift lock release.
5. Place the ignition switch in the “ON” position to unlock the steering wheel.

The vehicle may be moved to the desired location.

For model with Intelligent Key system: If the battery is discharged completely, the steering wheel cannot be unlocked. Do not move the vehicle with the steering wheel locked.

If the shift lever cannot be moved out of the “P” (Park) position, have a NISSAN dealer or qualified workshop check the CVT system as soon as possible.

WARNING

If the shift lever cannot be moved from the “P” (Park) position while the engine is running and the brake pedal is depressed, the stop lights may not work. Malfunctioning stop lights could cause an accident injuring yourself and others.

High fluid temperature protection mode

This transmission has a high fluid temperature protection mode. If the fluid temperature becomes too high (for example, when climbing steep grades in high temperature with heavy loads, 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.**

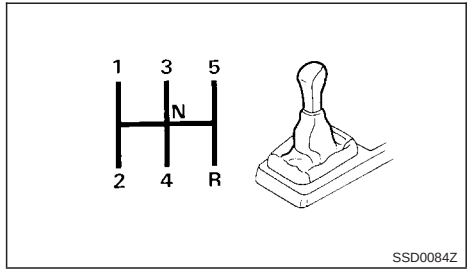
CAUTION

- **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.

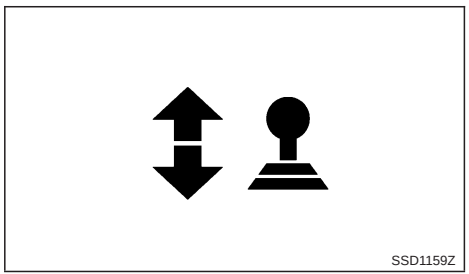
To ensure smooth gear changes, fully depress the clutch pedal before operating the shift lever. If the clutch pedal is not fully depressed before the transmission is shifted, a gear noise may be heard. Transmission damage could occur.

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” (Neutral) position, and then release the clutch pedal once. Fully depress the clutch pedal again and shift into “R” or “1”.

Shift lever indicator (where fitted)



The manual transmission shift lever indicator appears in the meter when the driver should shift into a higher or lower gear as indicated by the up or down arrow. The use of the shift lever indicator will help the driver to upshift or downshift at a constant engine speed from any gear according to the preferred operation or road condition.

When the up arrow appears, upshifting is recommended. When the down arrow appears, downshifting is recommended.

STOP/START SYSTEM (where fitted)

The Stop/Start System is designed to prevent unnecessary fuel consumption, exhaust emissions, and noise during a journey:

- When the vehicle comes to rest the engine is automatically stopped.
- The engine is then automatically restarted before you are ready to drive away.

CAUTION

At the end of the journey the engine must be stopped and ignition switch turned off. Lock the vehicle as normal. Turning the ignition OFF will shut down all electrical systems. Failure to do this may result in a flat battery.

NORMAL OPERATION

The Stop/Start System has stopped the engine and will automatically restart the engine. The Stop/Start indicator light is shown in the meter.

The Stop/Start System will automatically stop the engine when all the following conditions are valid:

For MT models

- The shift lever is in N (Neutral) position.
- The clutch pedal is fully released.
- The vehicle speed is below about 2 km/h (1 MPH).
- The driver’s seat belt is fastened.
- The Intelligent Key is in the vehicle.

- The driver's door is closed.

For CVT models

- The shift lever is in the D (Drive) or N (Neutral) position.
- The brake pedal is depressed.
- The vehicle is stopped.
- The driver's seat belt is fastened.
- The driver's door is closed.

NOTE

- **The following conditions must also be satisfied before the engine is automatically stopped. If the engine does not stop this does not indicate a malfunction in the system:**
  - **The engine coolant temperature is at normal operating levels.**
  - **The vehicle has driven some distance since engine start.**
  - **The battery voltage and temperature are within normal levels.**
  - **The bonnet is closed.**
  - **The steering wheel is not being turned.**
  - **The system is not in front defogger mode. (automatic air conditioner)**
  - **. The fan speed control dial is in the "OFF" (0) position while the air flow control dial is in the front defogger position (manual air conditioner).**
  - **The rear window defogger is not operated.**
- **The engine will not restart if the brake pedal is released while the Stop/Start System is activated under the following condition:**
  - **The shift lever is in the P (Park) position (for CVT models).**

When the Stop/Start System indicator light is displayed the engine starts running automatically under at least one of the following conditions:

- The clutch pedal is depressed (for MT models).
- The brake pedal is released with the shift lever in the D (Drive) or N (Neutral) position (for CVT models).
- The shift lever is placed in the L (Low), D (Drive) or R (Reverse) position from the N (Neutral) or P (Park) position (for CVT models).
- The driver's seat belt is unfastened, or the driver's door is open (for CVT models).
- The brake pedal is repeatedly pressed (to maintain vehicle braking performance).
- The brake pedal is strongly depressed and then released with the shift lever in the P (Park) position, resulting in decreased vacuum pressure of the brake booster (for CVT models).
- The battery voltage becomes low (due to electrical load from other vehicle systems like headlights, heaters, etc., or auxiliary devices connected to the 12 volt socket inside the vehicle).
- The vehicle speed is above about 2 km/h (1 MPH).
- The system is in front defogger mode. (automatic air conditioner)
- The fan speed control dial is in any position other than "OFF" (0) while the air flow control dial is in the front defogger position (manual air conditioner).
- The rear window defogger is operated.

NOTE

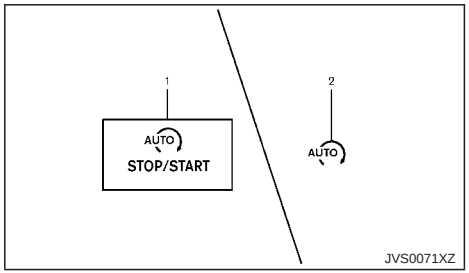
The following conditions will prevent the Stop/Start System from automatically restarting the engine. Starting the engine using the ignition switch is then necessary:

- **The driver's seat belt is unfastened, or driver's door is open (for MT models).**
- **The bonnet is open.**

The Stop/Start System is always engaged at the start of a journey (once the engine has been started). The engine is automatically stopped and restarted during the journey if conditions are suitable.

STOP/START SYSTEM DISPLAY AND INDICATORS

Engine stop



When the engine is stopped the information is displayed for a few seconds.

Vehicle information display:

1. Engine stop guidance

Instrument panel:

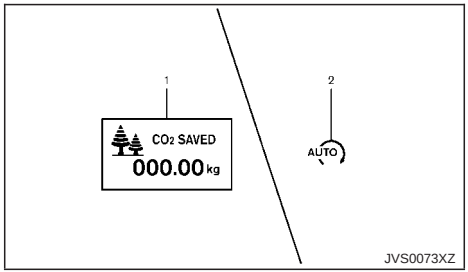
2. Stop/Start System indicator light

For more details about the display, see “Vehicle information display (where fitted)” in the “2. Instruments and controls” section.

NOTE

Automatic engine restart is possible whenever the Stop/Start System indicator light is illuminated in the meter.

CO2 saved



Whilst the engine remains stopped the vehicle information display shows the accumulated quantity (estimate) of carbon dioxide exhaust emissions prevented by the Stop/Start System.

Vehicle information display:

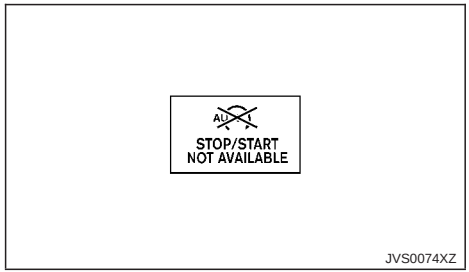
1. CO2 saved information

Instrument panel:

2. Stop/Start System indicator light

- Push and hold the ● button to reset the [CO2 Saved] value.
- The display can be switched between Stop/Start System information and drive computer information by a short press of the ❐ button.

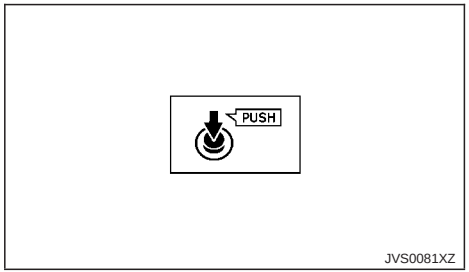
System fault



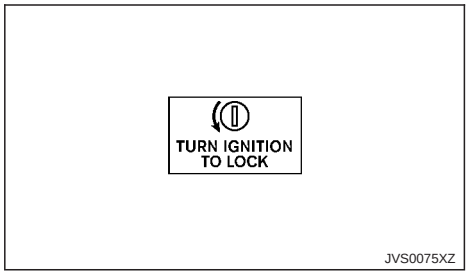
When automatic restart is not possible the information is displayed. The engine must be started by turning or pushing the ignition switch.

The message can be cleared by pressing the ❐ button, restarting the engine, or turning or pushing the ignition OFF.

Key LOCK warning



Type A

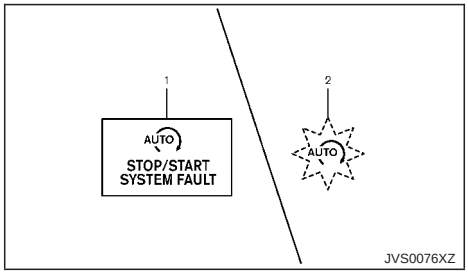


Type B

The information is displayed and a buzzer sounded to remind the driver to turn the ignition OFF to avoid a flat battery.

The message can only be cleared by turning or pushing the ignition OFF (or restarting the engine).

PRECAUTIONS ON STOP/START



The message is displayed when there may be something wrong with the Stop/Start System. You are advised to have the system checked by a NISSAN dealer or qualified workshop.

Vehicle information display:

1. System fault warning

Instrument panel:

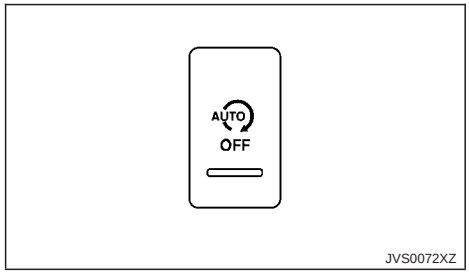
2. Stop/Start System indicator light

The message can be cleared by pressing the button.

NOTE

The Stop/Start System indicator in the meter flashes whilst the fault condition remains.

STOP/START SYSTEM OFF SWITCH



The system can be temporarily disengaged by pressing the Stop/Start System OFF switch. Pressing the button a second time will re-engage the Stop/Start System.

- When the Stop/Start System is disengaged whilst the engine is running, the engine is prevented from automatically stopping.
- When the Stop/Start System is disengaged after the engine has been automatically stopped by the Stop/Start System, the engine will immediately restart if suitable conditions are present as described under NORMAL OPERATION. The engine will then be prevented from automatically stopping during the same journey.

- Whenever the Stop/Start System is disengaged the indicator light on the Stop/Start System OFF switch illuminates. In this condition the Stop/Start System cannot prevent unnecessary fuel consumption, exhaust emissions, or noise during your journey.

NOTE

The following messages may be displayed for a few seconds in the vehicle information display when the Stop/Start System OFF switch is pressed.

More information about the Stop/Start System can be checked using the [Settings] menu. For more details about the display, see “Vehicle information display (where fitted)” in the “2. Instruments and controls” section.

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)” in the “2. Instruments and controls” section.)
- Indicator light

  If a malfunction occurs in the system, the “SLIP” and “ESP OFF” indicator lights illuminate in the instrument panel. As long as these indicators are illuminated, the ESP system function is cancelled.

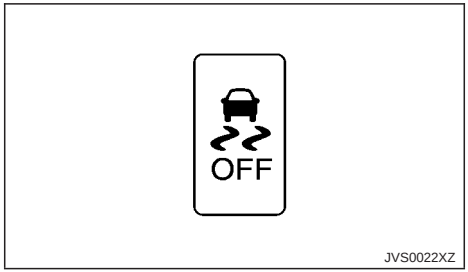
The ESP system uses a Brake Limited Slip Differential (BLSD) function to improve vehicle traction. The BLSD system works when one of the driving wheels is spinning on a slippery surface. The BLSD system brakes the spinning wheel, which distributes the driving power to the other drive wheel. If the vehicle 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 OFF indicator light will illuminate.

Push the ESP OFF switch again or restart the engine to turn on the system.

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.

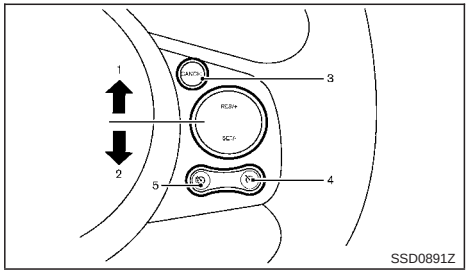
SPEED LIMITER OPERATIONS

Except for HR12DDR engine models: The speed limiter can be set between 30 km/h and 170 km/h or 20 MPH and 105 MPH.

For HR12DDR engine models (for MT models): The speed limiter can be set between 30 km/h and 180 km/h or 20 MPH and 112 MPH.

For HR12DDR engine models (for CVT models): The speed limiter can be set between 30 km/h and 170 km/h or 20 MPH and 105 MPH.

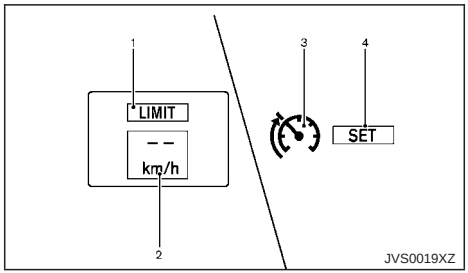
The speed limiter set switches are located on the steering wheel.



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

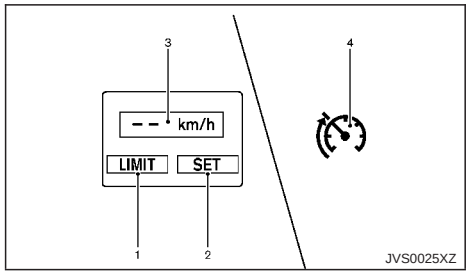
When the vehicle speed exceeds the set speed limit, the set speed indicator blinks and the accelerator pedal operation will not work until the vehicle speed slows down to the set speed limit.

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.

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.

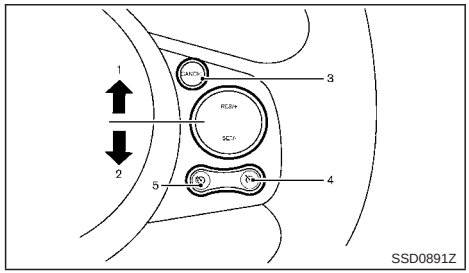
CRUISE CONTROL OPERATIONS

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.

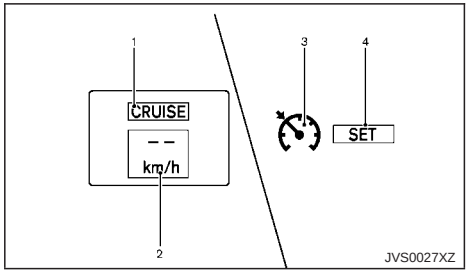
Moving the shift lever to the "N" (Neutral) position (Continuously Variable Transmission model) or depressing the clutch pedal (Manual Transmission model) will cancel the cruise control and the SET indicator will turn off.

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.

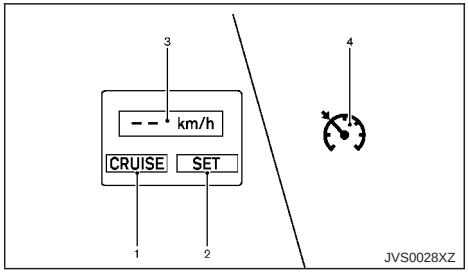
Vehicle information display:

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.

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).

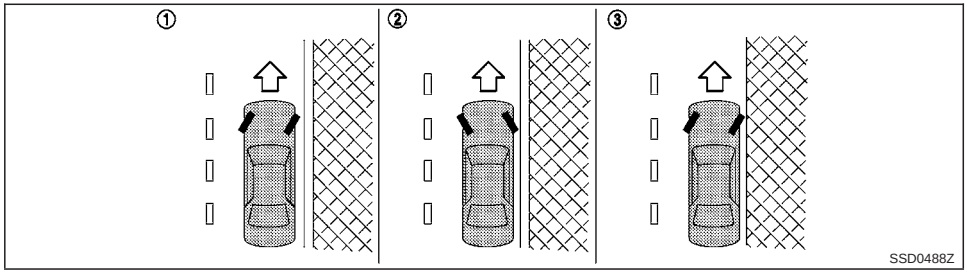
Cancelling cruising speed

Use any one of the following methods to cancel the set speed.

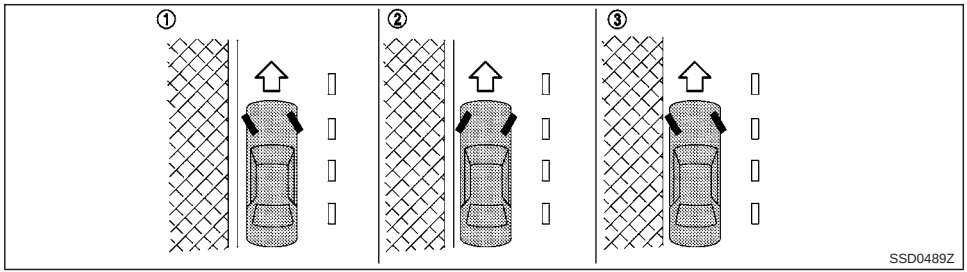
- Push the CANCEL switch. The SET indicator (light) will turn off.
- Tap the footbrake pedal. The SET indicator (light) will turn off.
- Push the cruise control MAIN switch. Both the SET and cruise indicators or indicator lights turn off.

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 shift lever placed in the P (Park) position (Automatic Transmission (AT)/Continuously Variable Transmission (CVT) models) or the shift lever placed in an appropriate gear (Manual Transmission models). Failure to do so could cause the vehicle to move unexpectedly or roll away and result in an accident.**
- **When parking the vehicle, make sure the shift lever is moved to the P (Park) position. The shift lever cannot be moved out of the P (Park) position without depressing the footbrake pedal (AT/CVT models).**
- **Never leave the engine running while the vehicle is unattended.**
- **When parking for an extended period of time with Stop/Start System (where fitted) activated, the engine will restart automatically. Never leave the vehicle with the ignition switch in the "ON" position.**
- **To help avoid risk of injury or death through unintended operation of the vehicle and/or its systems, do not leave children, people who require the assistance of others, or pets unattended in your vehicle. Additionally, the temperature inside a closed vehicle on a warm day can quickly become high enough to cause a significant risk of injury or death to people and pets.**



Left-Hand Drive (LHD) models



Right-Hand Drive (RHD) models

1. Firmly apply the parking brake.
2. Automatic Transmission (AT)/Continuously Variable Transmission (CVT) models: Move the shift lever to the P (Park) position.

   Manual Transmission (MT) models: 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 KERB ①

   Turn the wheels into the kerb and move the vehicle forward until the kerb side wheel gently touches the kerb. Then apply the parking brake.

   HEADED UPHILL WITH KERB ②

   Turn the wheels away from the kerb and allow the vehicle to move back until the kerb side wheel gently touches the kerb. Then apply the parking brake.

   HEADED UPHILL OR DOWNHILL, WITHOUT KERB 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. **Models with Intelligent Key system:**

   Place the ignition switch in the “OFF” position.

   Models without Intelligent Key system:

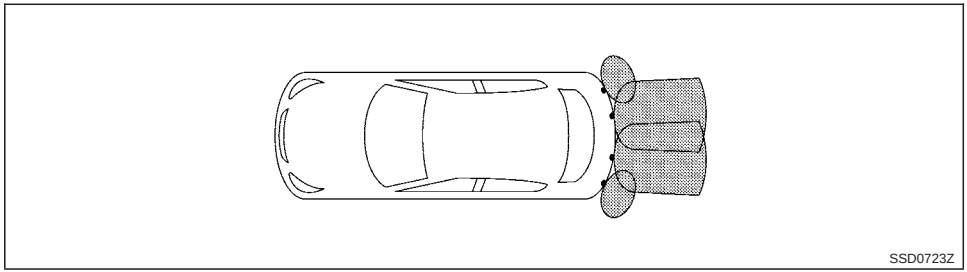
   Place the ignition switch in the “LOCK” position and remove the key.

NOTE

For Models with Stop/Start System:

Use this system when the vehicle is stopped for a period of time, for example waiting at traffic lights.

Stop the engine with the ignition switch when parking, etc. for an extended period of time.


SSD0723Z

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.

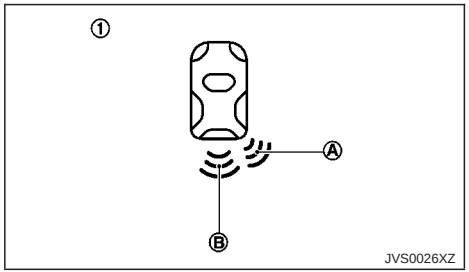
The sonar (parking sensor) system sounds a tone to warn the driver of obstacles near the bumper. The parking sensor indicator will also appear in the vehicle information display. (See “Parking Sensor Indicator” later in this section). The system detects rear obstacles when the shift lever is in the “R” (Reverse) position. The system may not detect objects at speeds above 10 km/h (6 MPH) and may not detect certain angular or moving objects.

The sonar (parking sensor) system detects obstacles up to 1 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 shift lever is moved to the “R” (Reverse) position. Have the system checked by a NISSAN dealer or qualified workshop.

PARKING SENSOR INDICATOR



① Parking sensor display

Ⓐ Corner sensor indicator

Ⓑ Centre sensor indicator

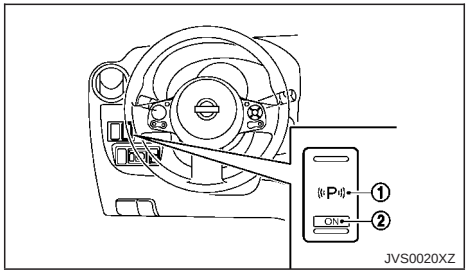
With the sonar (parking sensor) system ON in the “R” (Reverse) position, when the corner/centre sensors (sonar) detect obstacles near the bumper, a tone will sound and the parking sensor indicator will appear in the vehicle information display ①.

The parking sensor indicators Ⓐ and Ⓑ indicate the position of the object and the distance to the object with the rate of blinking.

When an object is detected, the indicator appears and blinks (the tone sounds intermittently). When the vehicle moves closer to the object, the number of bars decreases and the rate of blinking increases (the rate 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 number of bars decreases and the indicator stops blinking (the tone sounds continuously).

PARKING SPACE MEASUREMENT OPERATION (where fitted)

System operation



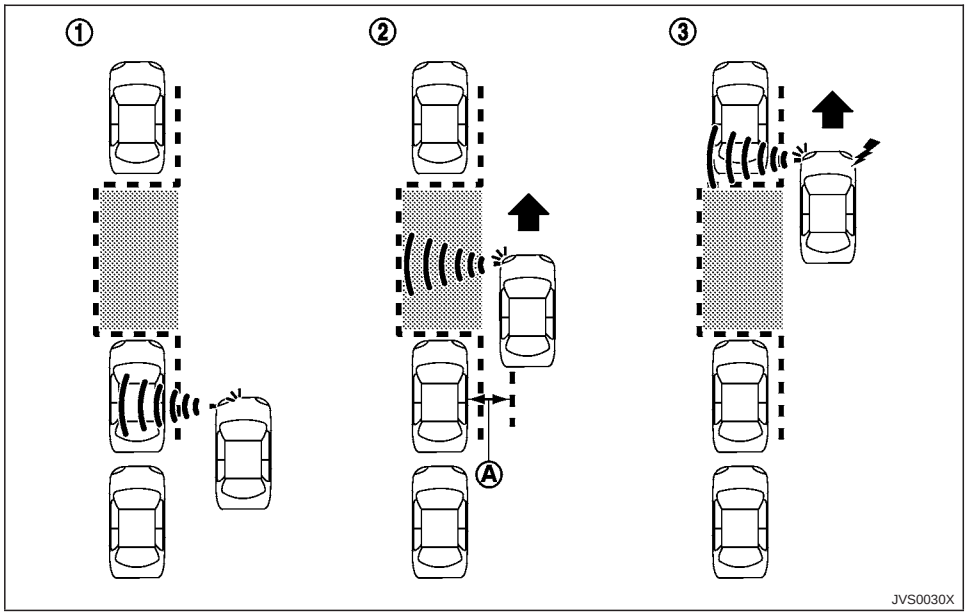
Parking space measurement switch

① Parking space measurement switch

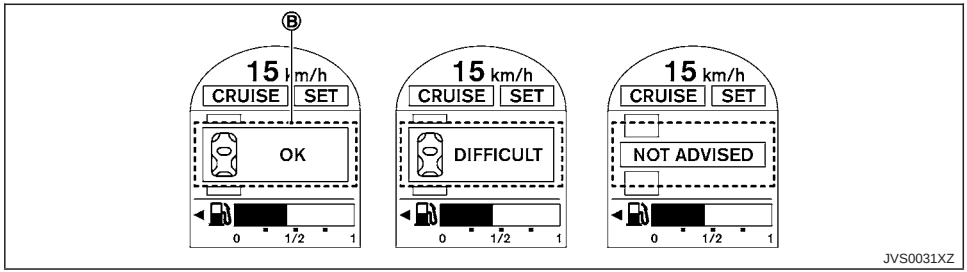
② ON indicator light

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.



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 Ⓐ.
3. When the parking space is measured, a beep sounds.

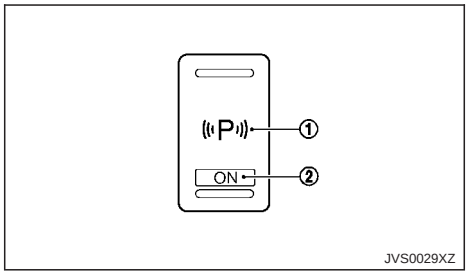


Measurement result:

The display indicating the measurement result Ⓑ ([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 accurate 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.**



① Parking space measurement switch

② ON indicator light

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.

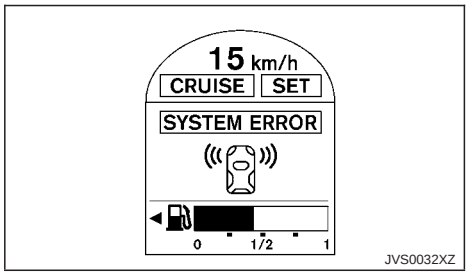
The mode can be selected for “Amateur”, “Normal”, or “Expert” by pushing the switch once to three times while the buzzer sounds as follows:

- 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.

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

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 is designed to provide power assist while driving to operate the steering wheel with light force.

When the steering wheel is operated repeatedly or continuously while parking or driving at a very low speed, the power assist for the steering wheel will be reduced. This is to prevent overheating of the electric power steering and protect it from getting damaged. While the power assist is reduced, steering wheel operation will become heavy. When the temperature of the electric power steering goes down, the power assist level will return to normal. Avoid repeating such steering wheel operations that could cause the electric power steering to overheat.

You may hear a fricative sound when the steering wheel is operated quickly. However, this is not a malfunction.

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

NOTE

Incorrectly inflated tyres can 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.

CAUTION

Any malfunction or accident that could have damaged the steering components (including actual or attempted theft damage) should be reported to a NISSAN dealer or qualified workshop.

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 footbrake pedal. However, greater foot pressure on the footbrake 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 downhill 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 footbrake 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).

Driving downhill

The engine braking action is effective for controlling the vehicle while descending hills.

Prior to driving downhill:

– For Manual Transmission (MT) models, the shift lever should be placed in a gear position low enough to obtain sufficient engine braking.

– For Automatic Transmission (AT) models, the 1 or 2 position should be selected.

– For Continuously Variable Transmission (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.

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.

VEHICLE SECURITY

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 shift lever in the P (Park) position (Automatic Transmission (AT)/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.

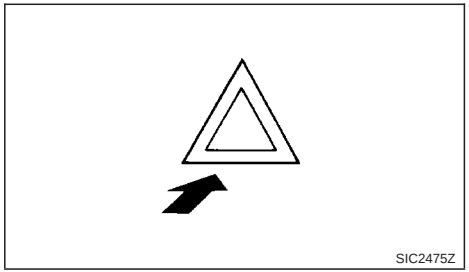
In the winter, the underbody must be cleaned periodically. For additional information, see “Corrosion protection” in the “7. Appearance and care” section.

For additional protection against rust and corrosion, which may be required in some areas, consult a NISSAN dealer or qualified workshop.

6 In case of emergency

Hazard indicator flasher switch 6-2
Flat tyre 6-2
Tyre Pressure Monitoring System (TPMS) (where fitted) 6-2
Stopping the vehicle 6-3
Preparing tools 6-3
Changing flat tyre (for models with spare tyre) 6-4
Repairing flat tyre (for models with emergency tyre puncture repair kit) 6-7
Jump starting 6-11
Push-starting 6-12
Engine overheat 6-13
Tow truck towing 6-13
Towing precautions 6-13
Towing recommended by NISSAN 6-14

HAZARD INDICATOR FLASHER SWITCH


SIC2475Z

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

The hazard indicator flasher is used to warn other drivers when you have to stop or park under emergency conditions.

When the hazard indicator flasher switch is pushed, all turn signal lights will flash. To turn off the hazard indicator flasher, push the hazard indicator flasher switch again.

FLAT TYRE

In case of a flat tyre, follow the instructions as described below:

TYRE PRESSURE MONITORING SYSTEM (TPMS) (where fitted)

WARNING

- **If the low tyre pressure warning light illuminates while driving, avoid sudden steering manoeuvres or abrupt braking, reduce vehicle speed, pull off the road to a safe location and stop the vehicle as soon as possible. Driving with under-inflated tyres may permanently damage the tyres and increase the likelihood of tyre failure. Serious vehicle damage could occur and may lead to an accident and could result in serious personal injury. Check the tyre pressure for all four tyres. Adjust the tyre pressure to the recommended COLD tyre pressure shown on the tyre placard to turn the low tyre pressure warning light off. If the light still illuminates while driving after adjusting the tyre pressure, a tyre may be flat. In case of a flat tyre, replace it with a spare tyre as soon as possible.**
- **When a spare tyre is mounted or a wheel is replaced, the TPMS will not function and the low tyre pressure warning light will flash for approximately 1 minute. The light will remain on after the 1 minute. Contact a NISSAN dealer or qualified workshop as soon as possible for tyre replacement and/or system resetting.**
- **Replacing tyres with those not originally specified by NISSAN could affect the proper operation of the TPMS.**
- **Do not inject any tyre liquid or aerosol tyre sealant into the tyres, as this may cause a malfunction of the tyre pressure sensors (for models not equipped with the emergency tyre puncture repair kit).**
- **NISSAN recommends using only Genuine NISSAN Emergency Tyre Sealant provided with your vehicle. Other tyre sealants may damage the valve stem seal which can cause the tyre to lose air pressure (for models equipped with the emergency tyre puncture repair kit).**

The Tyre Pressure Monitoring System (TPMS) monitors tyre pressure of all tyres except the spare. When the low tyre pressure warning light comes on, one (or more) tyre is significantly under-inflated. If the vehicle is being driven with low tyre pressure, the TPMS will activate and warn you by the low tyre pressure warning light (in the meter panel). This system will activate only when the vehicle is driven at speeds above 25 km/h (16 MPH).

For more details, see “Low tyre pressure/Tyre Pressure Monitoring System (TPMS) malfunction warning light (where fitted)” in the “2. Instruments and controls” section and “Tyre Pressure Monitoring System (TPMS) (where fitted)” in the “5. Starting and driving” section.

STOPPING THE VEHICLE

WARNING

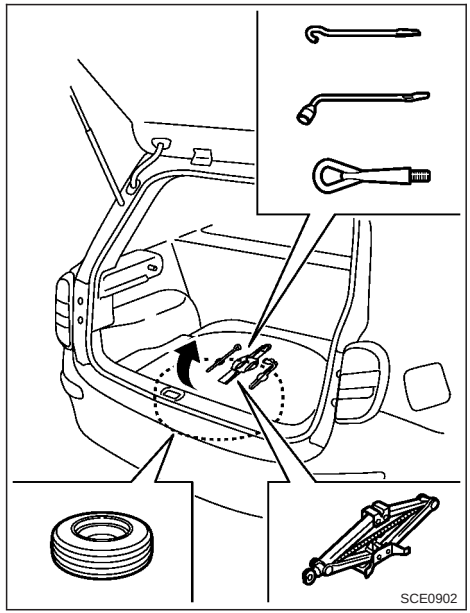
- **Make sure that the parking brake is securely applied.**
- **For Manual Transmission (MT) models: Make sure the shift lever is in the R (Reverse) position.**

  For Automatic Transmission (AT)/Continuously Variable Transmission (CVT) models: Make sure that the shift 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 shift lever (MT models) into the R (Reverse) position.

   Automatic Transmission (AT)/Continuously Variable Transmission (CVT) models:
   Move the shift 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.

PREPARING TOOLS



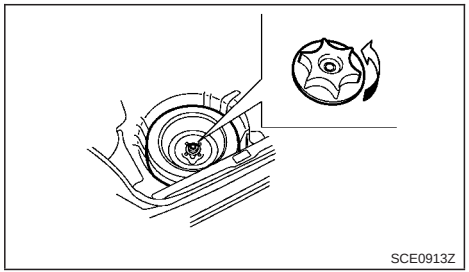
Raise the back door floor cover.

Your vehicle is equipped with either a spare tyre or an emergency tyre puncture repair kit. Carefully read the instructions provided in the appropriate section.

- For models with spare tyre: See “Changing flat tyre (for models with spare tyre)” later in this section.

- For models with emergency tyre puncture repair kit: See “Repairing flat tyre (for models with emergency tyre puncture repair kit)” later in this section.

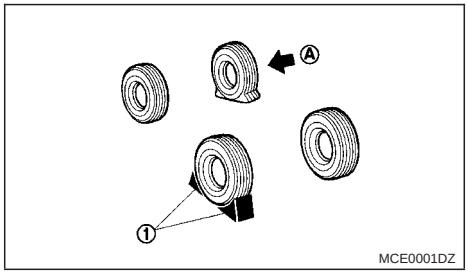
CHANGING FLAT TYRE (for models with spare tyre)


SCE0913Z

Remove the jack, necessary tools, and spare tyre from the boot.

If spacers are equipped, remove them before removing the spare tyre.

Blocking wheels



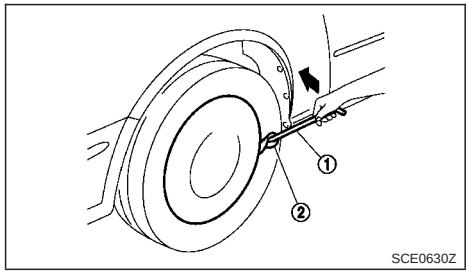
MCE0001DZ

WARNING

Make sure to block the appropriate wheel to prevent the vehicle from moving, which may cause personal injury.

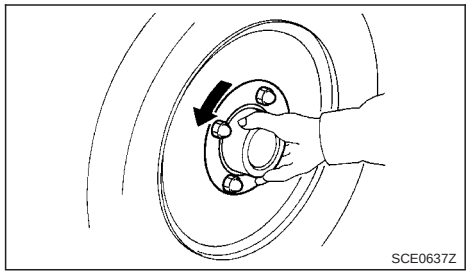
Place suitable blocks ① in front of and behind the wheel diagonally opposite the flat tyre Ⓐ to prevent the vehicle from moving when it is on the jack.

Removing wheel cover (where fitted)



SCE0630Z

Type A


SCE0637Z

Type B

Type A:

WARNING

Never use your hands to remove the wheel cover. This may cause personal injury.

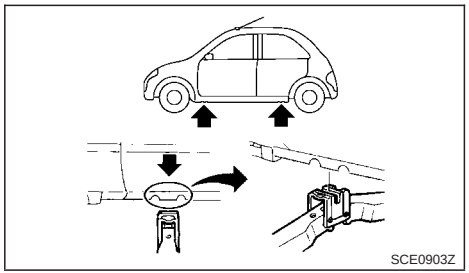
To remove the wheel cover, use the jack rod ① as illustrated.

Apply cloth ② between the wheel and jack rod to prevent damaging the wheel and wheel cover.

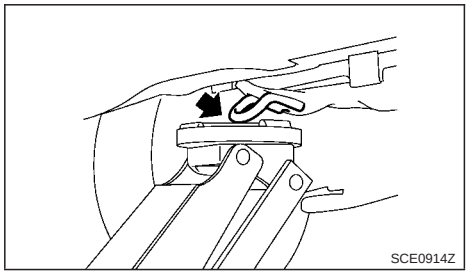
Type B:

Remove the centre wheel cap as illustrated.

Removing tyre



Jack-up points

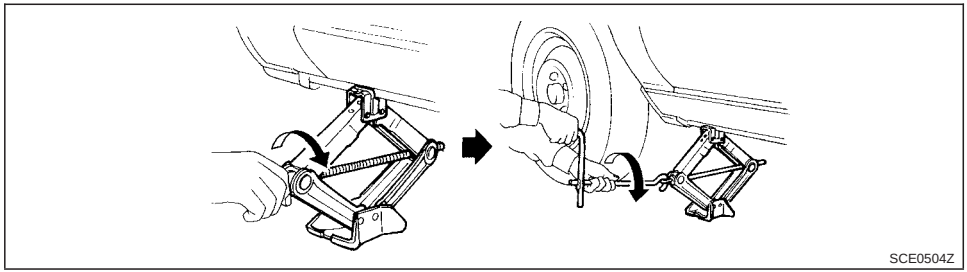


Floor jack-up points (rear)

For the rear, never jack-up the vehicle at a location other than the floor jack-up point that is specified.

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.**


SCE0504Z

Jack-up the vehicle

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.

   CAUTION

   The jack should be used on firm, level ground.

2. Align the jack head between the two notches located at the jack-up point of either the front or the rear section.
3. Fit the groove of the jack head between the two notches as shown.
4. 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.

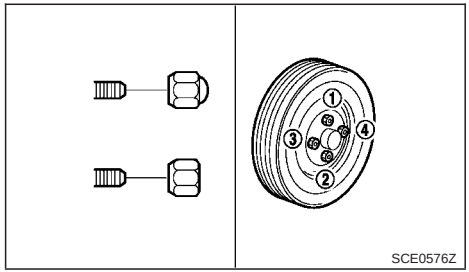
5. To lift the vehicle, securely hold and turn the handle clockwise as shown.
6. Carefully raise the vehicle until the tyre clears the ground.

Removing tyre

1. Remove the wheel nuts.
2. 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.



SCE0576Z

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 temporary-use spare tyre is designed for emergency use only.**

1. Clean any mud or dirt from the surface between the wheel and the hub.
2. Carefully fit the wheel and tighten the wheel nuts with your fingers. Check that all the wheel nuts contact the wheel surface horizontally.

3. With the wheel wrench, tighten the wheel nuts alternately and evenly in the sequence as illustrated (① - ④) until they are tight.
4. Lower the vehicle slowly until the tyre touches the ground.
5. Tighten the wheel nuts securely using the wheel wrench in the sequence as illustrated.
6. 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.).

For models equipped with Tyre Pressure Monitoring System (TPMS)

After adjusting the tyre pressure, the TPMS must be reset. See “Tyre Pressure Monitoring System (TPMS) (where fitted)” in the “5. Starting and driving” section for details about the resetting procedure.

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.**
- **The temporary-use spare tyre is designed for emergency use only.**

1. Securely store the tools, wheel with the flat tyre, and jack in the designated location of the luggage compartment.
2. Replace the spare tyre cover and the floor cover.
3. Close the back door.

REPAIRING FLAT TYRE (for models with emergency tyre puncture repair kit)

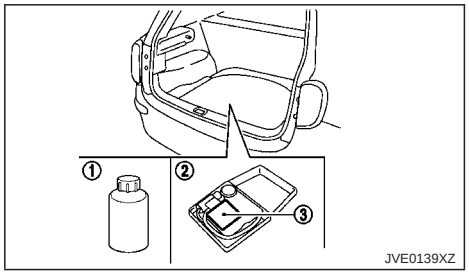
The emergency tyre puncture repair kit is supplied with the vehicle instead of a spare tyre. This repair kit must be used for temporarily fixing a minor tyre puncture. After using the repair kit, see a NISSAN dealer or qualified workshop as soon as possible for tyre inspection and repair/replacement.

CAUTION

- **NISSAN recommends using only Genuine NISSAN Emergency Tyre Sealant provided with your vehicle. Other tyre sealants may damage the valve stem seal which can cause the tyre to lose air pressure.**
- **Do not use the emergency tyre puncture repair kit provided with your vehicle on other vehicles.**
- **Do not use the emergency tyre puncture repair kit for a purpose other than to inflate and check the tyre pressure for the vehicle.**
- **Use the emergency tyre puncture repair kit only on DC12V.**
- **Keep water and dust off the emergency tyre puncture repair kit.**
- **Do not disassemble or modify the emergency tyre puncture repair kit.**
- **Do not galvanise the emergency tyre puncture repair kit.**
- **Do not use the emergency tyre puncture repair kit under the following conditions. Contact a NISSAN dealer, qualified workshop, or professional road assistance:**
  - **When the sealant has passed its expiration date (shown on the label attached to the bottle).**
  - **When the cut or the puncture is approximately 6 mm (0.25 in) or longer.**
  - **When the side of the tyre is damaged.**
  - **When the vehicle has been driven with a considerable loss of air from the tyre.**
  - **When the tyre is completely displaced inside or outside the rim.**
  - **When the tyre rim is damaged.**

– **When two or more tyres are flat.**

Getting emergency tyre puncture repair kit



Take out the emergency tyre puncture repair kit from the back door. The repair kit consists of the following items:

① Tyre sealant bottle

② Air compressor

③ Speed restriction sticker

Before using emergency tyre puncture repair kit

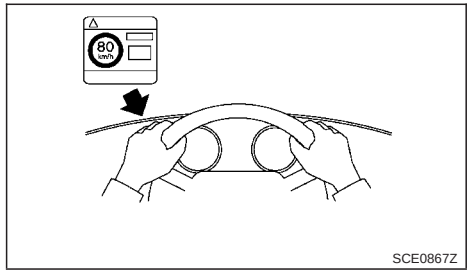
- If any foreign object (for example, a screw or nail) is embedded in the tyre, do not remove it.
- Check the expiration date of the sealant (shown on the label attached to the bottle). Never use a sealant whose expiration date has passed.

Repairing tyre

WARNING

Observe the following precautions when using the emergency tyre puncture repair kit.

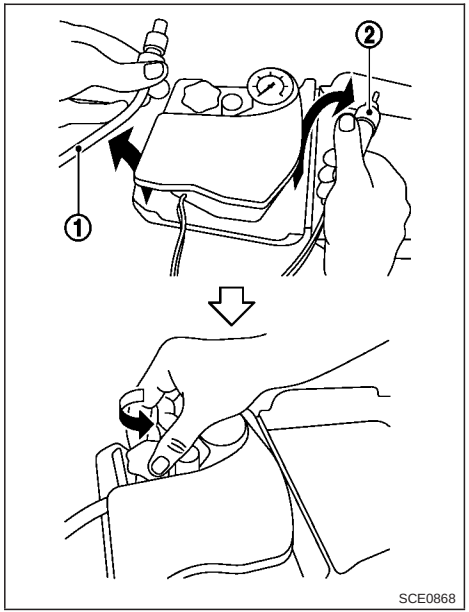
- **Swallowing the compound is dangerous. Immediately drink as much water as possible and seek prompt medical assistance.**
- **Rinse well with lots of water if the compound comes into contact with skin or eyes. If irritation persists, seek prompt medical attention.**
- **Keep the repair compound out of the reach of children.**
- **The emergency repair compound may cause a malfunction of the air valve. Have the air valve replaced as soon as possible.**
- **The emergency repair compound other than that specified by NISSAN may cause a malfunction of the tyre pressure sensors and cause the low tyre pressure warning light to illuminate (where fitted).**



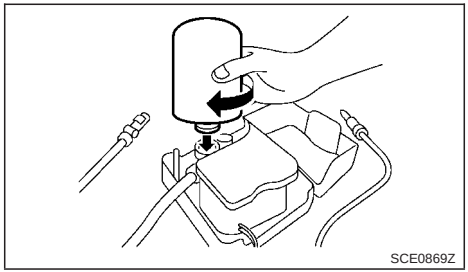
1. Open the lid of the air compressor and take out the speed restriction sticker, then put it in a location where the driver can see it while driving.

CAUTION

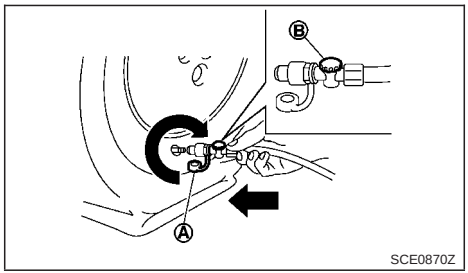
Do not put the speed restriction label on the steering wheel pad, the speedometer or the warning light locations.



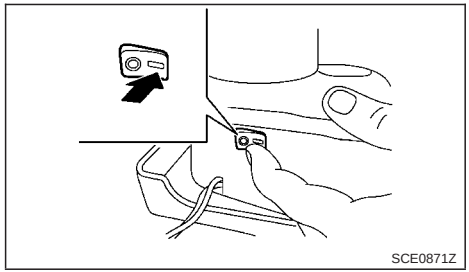
2. Take the hose ① and the power plug ② out of the air compressor. Remove the cap of the bottle holder from the air compressor.



3. Remove the cap of the tyre sealant bottle, and screw the bottle clockwise onto the bottle holder. (Leave the bottle seal intact. Screwing the bottle onto the bottle holder will pierce the seal of the bottle.)
4. Remove the cap of the tyre valve on the flat tyre.



5. Remove the protective cap Ⓐ of the hose and screw the hose securely onto the tyre valve. Make sure that the pressure release valve Ⓑ is securely tightened. Make sure that the air compressor switch is in the OFF (○) position, and then insert its power plug into the power outlet in the vehicle.



6. Push the ignition switch to the ACC position. Then turn the compressor switch to the ON (–) position and inflate the tyre up to the pressure that is specified on the tyre placard affixed to the driver's side centre pillar if possible, or to the minimum of 180 kPa (26 psi).

   Turn the air compressor off briefly in order to check the tyre pressure with the pressure gauge.

   If the tyre is inflated to higher than the specified pressure, adjust the tyre pressure by releasing air with the pressure release valve. The cold tyre pressures are shown on the tyre placard affixed to the driver's side centre pillar.

CAUTION

- **An incomplete connection between the hose and tyre valve causes air leakage or sealant scatter.**
- **Do not stand directly beside the damaged tyre while it is being inflated because of the risk of the rupture. If there are any cracks or bumps, turn the compressor off immediately.**
- **There is a possibility that the pressure reaches 600 kPa while the tyre is being inflated, but it is normal condition. Usually the pressure will drop in about 30 seconds.**
- **Do not operate the compressor for more than 10 minutes.**

If the tyre pressure does not increase to **180 kPa (26 psi) within 10 minutes**, the tyre may be seriously damaged and **the tyre cannot be repaired with this tyre repair kit.** Contact a NISSAN dealer or qualified workshop.

7. When the tyre pressure is reaching the specified pressure or is at the minimum of 180 kPa (26 psi), turn the air compressor off. Remove the power plug from the power outlet and quickly remove the hose from the tyre valve. Attach the protective cap and valve cap.

CAUTION

Leave the tyre sealant bottle on the bottle holder in order to prevent sealant from spilling out.

8. Immediately drive the vehicle for 10 minutes or 3 km (2 miles) at a speed of 80 km/h (50 MPH) or less.
9. After driving, make sure that the air compressor switch is in the OFF (○) position, then screw the hose securely onto the tyre valve. Check the tyre pressure with the pressure gauge.

If the tyre pressure drops under 130 kPa (19 psi):

The tyre cannot be repaired with this tyre puncture repair kit. Contact a NISSAN dealer or qualified workshop.

If the tyre pressure is 130 kPa (19 psi) or more but less than the specified pressure:

Turn the compressor switch to the ON (–) position and inflate the tyre up to the specified pressure. Then repeat the steps from 8.

If the pressure drops again, **the tyre cannot be repaired with this tyre puncture repair kit.** Contact a NISSAN dealer or qualified workshop.

When the tyre pressure is the specified pressure:

The temporary repair is completed.

See a NISSAN dealer or qualified workshop for tyre repair/replacement as soon as possible.

CAUTION

Do not reuse the tyre sealant bottle or the hose.

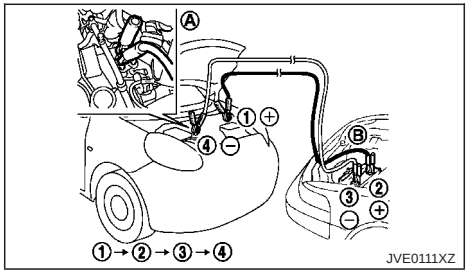
For a new tyre sealant bottle and hose, see a NISSAN dealer or qualified workshop.

After repairing tyre

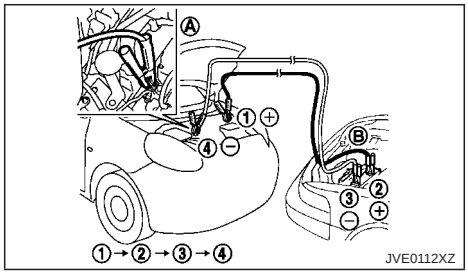
See a NISSAN dealer or qualified workshop for tyre repair/replacement as soon as possible.

WARNING

- **Incorrect jump starting can lead to a battery explosion. The battery explosion may result in severe injury or death. It may also result in damage to the vehicle. Be sure to follow the instructions in this section.**
- **Explosive hydrogen gas is always present in the vicinity of the battery. Keep all sparks and flames away from the battery.**
- **Always wear suitable eye protection 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.**



HR12DDR Engine models



HR12DE engine model

1. If the booster battery is in another vehicle Ⓑ, position the two vehicles Ⓐ and Ⓑ to bring the batteries into close proximity to each other.

   CAUTION

   If the battery of vehicle Ⓐ 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 Ⓑ before turning the ignition switch and disengaging the steering lock.

2. Apply the parking brake.
3. Manual Transmission (MT) models:
   Shift the shift lever into the "N" (Neutral) position.

   Automatic Transmission (AT)/Continuously Variable Transmission (CVT) models:
   Move the shift lever to the "P" (Park) position].
4. Switch off all unnecessary electrical systems (headlights, hazard lights, etc,).
5. Place the ignition switch in the "LOCK" position.
6. Remove the vent caps (where fitted) from 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 booster vehicle Ⓑ and let it run for a few minutes.
10. Keep the engine speed of the booster vehicle Ⓑ at about 2,000 rpm.
11. Start the engine of the jumped vehicle Ⓐ 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 not start immediately, place the ignition switch in the "OFF" position and wait at least 10 seconds before trying again.**
    - **If the starter motor does not start by pushing or turning the ignition switch, place the ignition switch in 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).

NOTE

- **For models with Stop/Start System, use the special battery that is enhanced in regard to the charge-discharge capacity and life performance. Avoid using a non-special battery for the Stop/Start system, as this may cause early deterioration of the battery or a malfunction of the Stop/Start system. For the battery, it is recommended to use Genuine NISSAN parts. For more information, contact a NISSAN dealer or qualified workshop.**
- **For models with Stop/Start System, it may take some time until the Stop/Start System activates when the battery is replaced or the battery terminal is disconnected for extended periods and then reconnected.**

Do not attempt to start the engine by pushing the vehicle.

CAUTION

- **Automatic Transmission (AT)/ Continuously Variable Transmission (CVT)/ Manual Transmission (MT) 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.**
- **Stop/Start System equipped models cannot be started by pushing the vehicle.**

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 shift lever into the N (Neutral) position.
   Automatic Transmission (AT)/Continuously Variable Transmission:
   Move the shift 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.

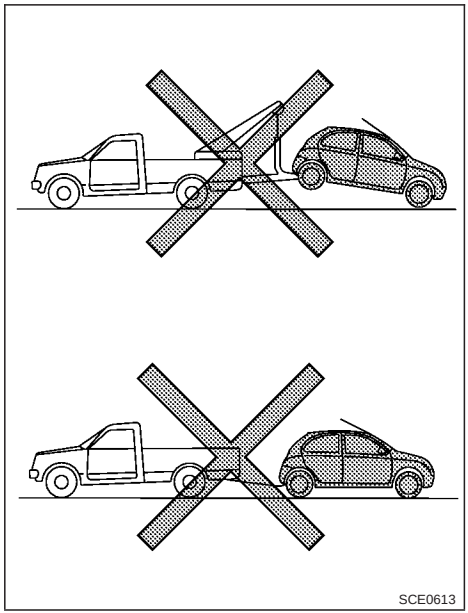
Have your vehicle inspected or repaired by a NISSAN dealer or qualified workshop.

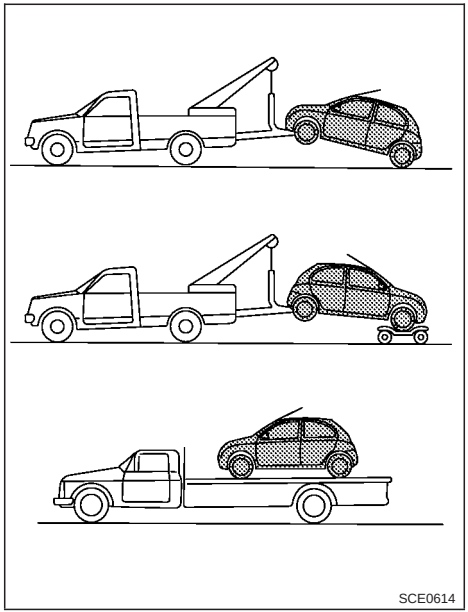
When towing your vehicle, local regulations for towing must be followed. Incorrect towing equipment could damage your vehicle. To assure proper towing and to prevent accidental damage to your vehicle, NISSAN recommends that you have professional road assistance personnel tow your vehicle. It is advisable 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





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 Automatic Transmission (AT)/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 AT/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

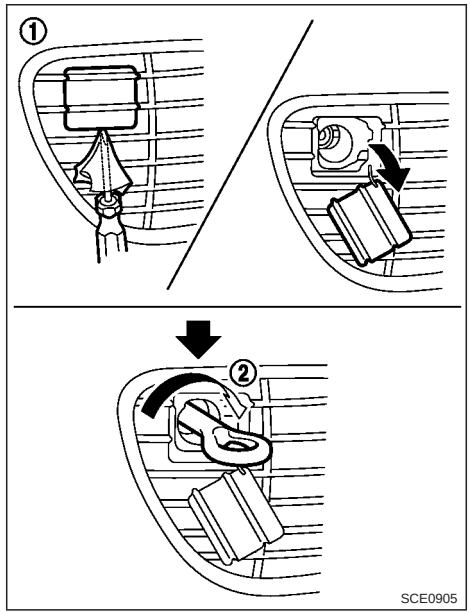
WARNING

- **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.**

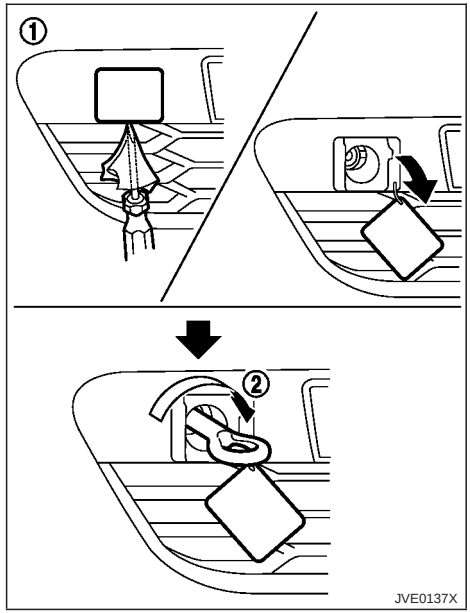
In the event that your vehicle’s tyres become trapped in sand, snow, or mud, and the vehicle is unable to free itself without being pulled, use the recovery hooks.

- 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.
- 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:



Type A

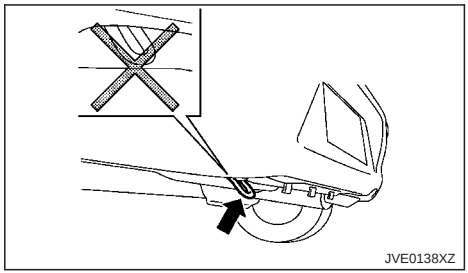


Type B

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:



Rear

Do not use the hook to tow the vehicle.

7 Appearance and care

Cleaning exterior 7-2
Washing 7-2
Removing spots 7-2
Waxing 7-2
Cleaning glass 7-3
Underbody 7-3
Care of wheels 7-3
Cleaning alloy wheels 7-3
Chrome parts 7-3
Cleaning interior 7-3
Air fresheners 7-4
Floor mats 7-4
Cleaning Glass 7-4
Seat belts 7-4
Corrosion protection 7-5
Most common factors contributing to vehicle corrosion 7-5
Environmental factors influence the rate of corrosion 7-5
To protect your vehicle from corrosion 7-5

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, retreated.

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.

Occasionally remove loose dust from the interior trim, plastic parts and seats using a vacuum cleaner or soft bristled brush. Wipe the vinyl and leather surfaces with a clean, soft cloth dampened in mild soap solution, then wipe clean with a dry, soft cloth.

Regular care and cleaning is required in order to maintain the appearance of the leather.

Before using any fabric protector, read the manufacturer's recommendations. Some fabric protectors contain chemicals that may stain or bleach the seat material.

Use a soft cloth dampened only with water to clean the meter and gauge lens covers.

CAUTION

- **Never use benzine, thinner or any similar material.**
- **Small dirt particles can be abrasive and damaging to leather surfaces and should be removed promptly. Do not use saddle soap, car waxes, polishes, oils cleaning fluids, solvents, detergents or ammonia based cleaners as they 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.**

AIR FRESHENERS

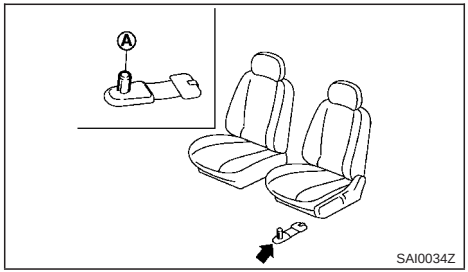
Most air fresheners use a solvent that could affect the vehicle interior. If you use an air freshener, take the following precautions:

- Hanging-type air fresheners can cause permanent discoloration when they contact vehicle interior surfaces. Place the air freshener in a location that allows it to hang free and not contact an interior surface.
- Liquid-type air fresheners typically clip on the vents. These products can cause immediate damage and discoloration when spilled on interior surfaces.

Carefully read and follow the manufacturer's instructions before using air fresheners.

FLOOR MATS

The use of genuine NISSAN floor mats (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.



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

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.

8 Maintenance and do-it-yourself

Maintenance requirements 8-2
Scheduled maintenance 8-2
General maintenance 8-2
Where to go for service 8-2
General maintenance 8-2
Explanation of general maintenance items 8-2
Maintenance precautions 8-4
Engine compartment 8-5
Engine cooling system 8-5
Checking engine coolant level 8-6
Changing engine coolant 8-6
Engine oil 8-7
Checking engine oil level 8-7
Changing engine oil and oil filter 8-7
Protect the environment 8-10
Drive belts 8-10
Spark plugs 8-11
Platinum-tipped spark plugs (where fitted) 8-11
Iridium-tipped spark plugs (where fitted) 8-11
Nickel-tipped spark plugs (where fitted) 8-11
Brakes 8-11
Checking parking brake 8-11
Checking brake pedal 8-12
Brake booster 8-12
Brake fluid 8-13
Clutch fluid (where fitted) 8-13
Automatic transmission fluid (ATF) (where fitted) 8-14
Continuously Variable Transmission (CVT) fluid (where fitted) 8-14
Air cleaner filter 8-15
Wiper blades 8-15
Windscreen wiper blades 8-15
Rear window wiper blade (where fitted) 8-16
Window washer fluid 8-16
Battery 8-17
Vehicle battery 8-17
Jump-starting 8-18
Integrated key fob battery 8-18
Intelligent Key battery 8-19
Variable voltage control system (where fitted) 8-20
Fuses 8-21
Engine compartment 8-21
Passenger compartment 8-21
Lights 8-22
Headlights 8-22
Exterior lights 8-23
Interior lights 8-23
Light locations 8-24
Legal requirement to adjust headlight beam 8-29
Wheels and tyres 8-31
Tyre Pressure Monitoring System (TPMS) (where fitted) 8-31
Tyre inflation pressure 8-31
Types of tyres 8-31
Snow chains 8-32
Tyre rotation 8-32
Tyre wear and damage 8-32
Tyre age 8-33
Changing tyres and wheels 8-33
Wheel balance 8-33

Spare tyre 8-33
Emergency tyre puncture repair kit (where fitted)..... 8-34

Some day-to-day and regular maintenance is essential to maintain your vehicle's good mechanical condition, as well as its emission and engine performance.

It is the owner's responsibility to make sure that the specified maintenance, as well as general maintenance, is performed.

As the vehicle owner, you are the only one who can ensure that your vehicle receives the proper maintenance care.

SCHEDULED MAINTENANCE

For your convenience, the required scheduled maintenance items are described and listed in 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.

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

Doors and bonnet:

Check that all doors and the bonnet operate smoothly as well as the back door, boot lid and hatch. Also make sure that all latches lock securely. Lubricate 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 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 often and always prior to long distance trips. Adjust the pressure in all tyres, including the spare, to the pressure specified.

Check carefully for damage, cuts or excessive wear.

Tyre rotation*:

In the case that the front & rear tyres are the same size: The tyres should be rotated every 10,000 km (6,000 miles).

Tyres marked with directional indicators can only be rotated between front and rear.

Make sure that the directional indicators point in the direction of wheel rotation after the tyre rotation is completed.

In the case that front tyres are a different size from rear tyres; Tyres cannot be rotated.

However, the timing for tyre rotation may vary according to your driving habits and the 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. Repair as necessary.

Wiper blades*:

Check for cracks or wear if not functioning correctly. Replace as necessary.

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 is the proper distance from the floor mat when depressed fully. Check the brake booster function. Be sure to keep the floor mats away from the pedal.

Parking brake*:

Check the parking brake operation regularly. Check that the handbrake lever has the proper travel. Also make sure that the vehicle is held securely on a fairly steep hill when only the parking brake is applied.

Seat belts:

Check that all parts of the seat belt system (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 condition, 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*:

Except for maintenance free battery, check the fluid level in each cell. It should be between the “UPPER” and “LOWER” lines. Vehicles operated in high temperatures or under severe conditions require frequent checks of the battery fluid level.

Brake (and clutch) fluid level(s)*:

For Manual Transmission (MT) model: Make sure that the brake and clutch fluid levels are between the “MAX” and “MIN” lines on the reservoirs.

Except for Manual Transmission (MT) model: Make sure that the brake fluid level is between the “MAX” and “MIN” lines on the reservoir.

Coolant level*:

Check the coolant level when the coolant is cold. Make sure that the coolant level is between the “MAX” and “MIN” lines on the reservoir.

Engine drive belts*:

Make sure that drive belt(s) is/are not frayed, worn, cracked or oily.

Engine oil level*:

Check the level after parking the vehicle (on a level ground) and turning off the engine.

Fluid leaks:

Check under the vehicle for fuel, oil, water or other fluid leaks after the vehicle has been parked for a while. Water dripping from the air conditioner after use is normal. If you should notice any leaks or if petrol fumes are evident, check for the cause and have it corrected immediately.

Windscreen washer fluid*:

Check that there is adequate fluid in the reservoir.

MAINTENANCE PRECAUTIONS

When performing any inspection or maintenance work on your vehicle, always take care to prevent serious accidental injury to yourself or damage to the vehicle. The following are general precautions which should be closely observed.

- **Park the vehicle on a level surface, apply the parking brake securely and block the wheels to prevent the vehicle from moving. For MT models, move the shift lever to N (Neutral) position or for AT/CVT models, move the shift 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 jewellery, 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.**
- **Never get under the vehicle while it is supported by a jack.**
- **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.**

ENGINE COMPARTMENT

- **Failure to follow these or other common sense guidelines may lead to serious injury or vehicle damage.**

NISSAN Blue Citizenship

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.**

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

- **Never use any cooling system additives such as radiator sealer. Additives may clog the cooling system and cause damage to the engine, transmission and/or cooling system.**

- **When adding or replacing engine coolant, be sure to use Genuine NISSAN engine coolant or equivalent in its quality with the proper mixture ratio. Examples of the mixture ratio are shown in the following table:**

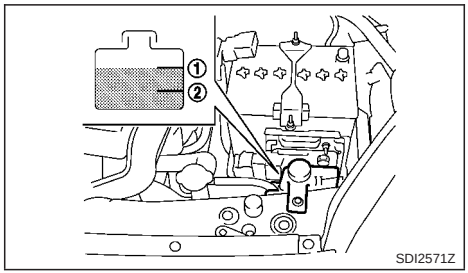
Outside temperature down to		Composition	
°C	°F	Engine coolant (concentrated)	Demineralised or distilled water
–15	5	30%	70%
–35	–30	50%	50%

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.

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.**

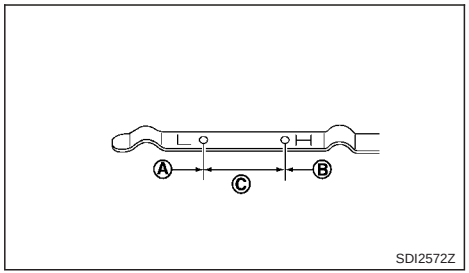
NISSAN Blue Citizenship

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 Ⓑ.**
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 Blue Citizenship

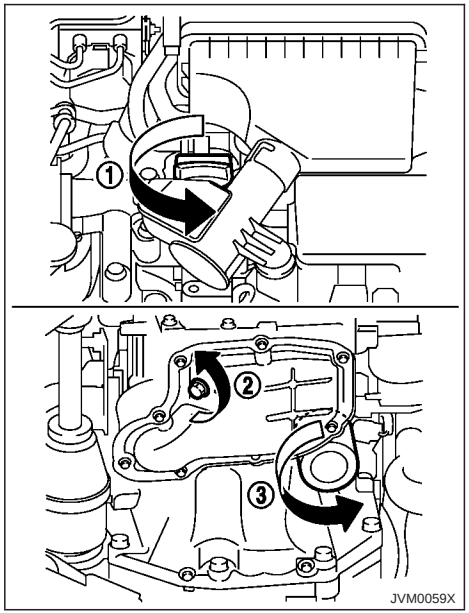
Used oil must not be poured into the ground, canals, rivers, etc. It should be disposed of at a rubbish tip having proper facilities.

- **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.**

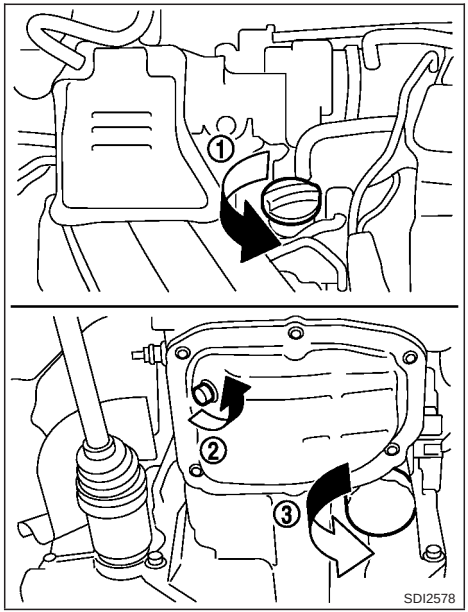
CAUTION

Waste oil must be disposed of properly.
Check your local regulations.

Engine oil replacement



HR12DDR engine model



HR12DE engine model

① Oil filler cap

② Oil drain plug

③ Oil filter

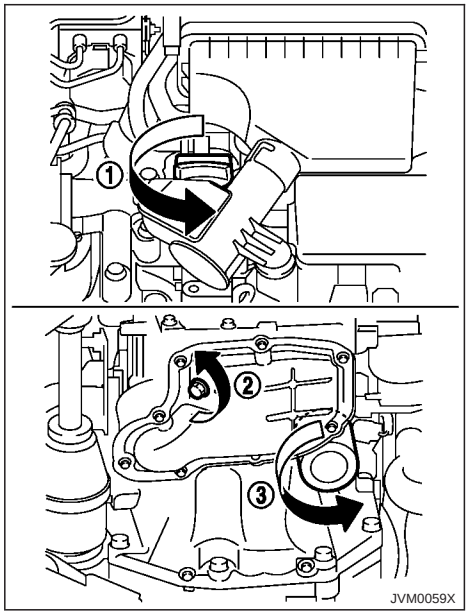
1. Park the vehicle on a level surface and apply the parking brake.
2. Start the engine. If the engine is cold, start and let the engine idle until the engine temperature reaches the operational temperature (approximately 5 minutes).
3. Turn the engine off.
4. Wait at least 10 minutes to let the engine 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 fluids/lubricants” in the “9. Technical information” section.)

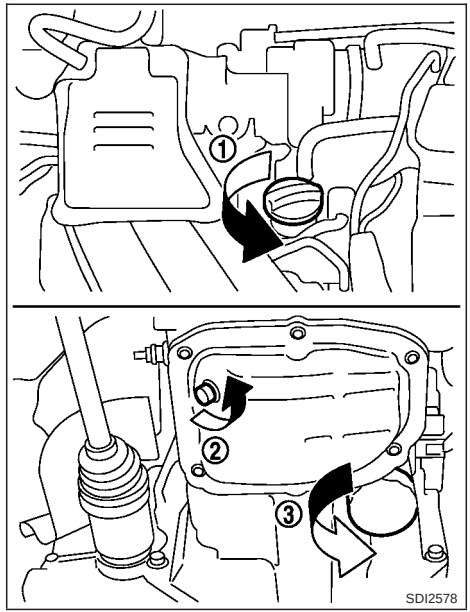
   When filling the engine oil, do not remove the dipstick.
10. Install the engine oil filler cap securely.
11. Start the engine.

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.

Changing engine oil filter



HR12DDR engine model



HR12DE engine model

① Oil filler cap
② Oil drain plug
③ 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.

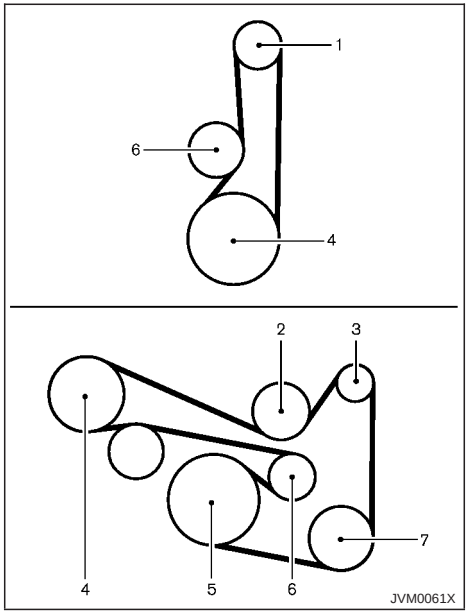
   Be sure to remove any old gasket remaining on the mounting surface.
7. Apply the new engine oil to the gasket of the new oil filter.
8. Screw in the oil filter until a slight resistance is felt, and then tighten an additional 2/3 of turn to secure the oil filter.
   Oil filter tightening torque:
   15 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 Blue Citizenship

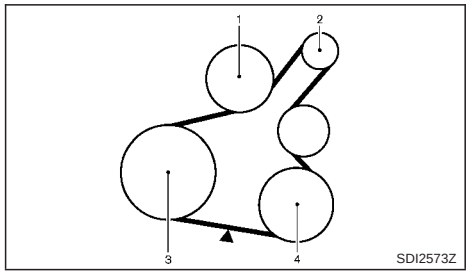
It is illegal to pollute drains, water courses and soil. Use authorised waste collection facilities, including civic amenity sites and garages providing facilities for the disposal of used oil and used oil filters. If in doubt, contact your local authority for advice on disposal.

The regulations concerning the pollution of the environment will vary from country to country.



HR12DDR engine

1. Supercharger
2. Water pump
3. Alternator
4. Electromagnetic clutch
5. Crankshaft pulley
6. Drive belt auto-tensioner
7. Air conditioner compressor



HR12DE engine

1. Water pump
2. Alternator
3. Crankshaft pulley
4. Air conditioner compressor (with air compressor)
   Idler pulley (without air 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.

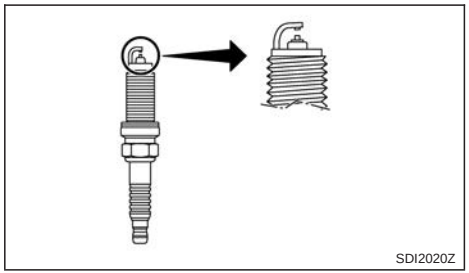
WARNING

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.

PLATINUM-TIPPED SPARK PLUGS (where fitted)


SDI2020Z

It is not necessary to replace the platinum-tipped spark plugs as frequently as the conventional type of spark plugs. These spark plugs are designed to last much longer than the conventional type of spark plugs.

CAUTION

- **Do not reuse the platinum-tipped spark plugs by cleaning or re-gapping.**
- **Always replace with the recommended platinum-tipped spark plugs.**

IRIDIUM-TIPPED SPARK PLUGS (where fitted)

It is not necessary to replace the iridium-tipped spark plugs as frequently as the conventional type of spark plugs. These spark plugs are designed to last much longer than the conventional type of spark plug.

CAUTION

- **Do not reuse the iridium-tipped spark plugs by cleaning or re-gapping.**
- **Always replace with the recommended iridium-tipped spark plugs.**

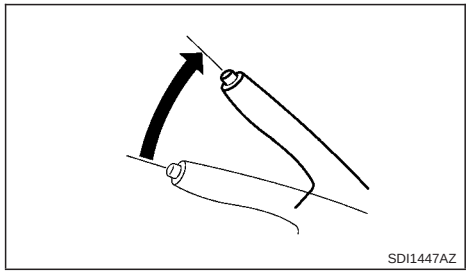
NICKEL-TIPPED SPARK PLUGS (where fitted)

It is not necessary to replace the nickel-tipped spark plugs as frequently as the conventional type of spark plugs. These spark plugs are designed to last much longer than the conventional type of spark plug.

CAUTION

- **Do not reuse the nickel-tipped spark plugs by cleaning or re-gapping.**
- **Always replace with the recommended nickel-tipped spark plugs.**

CHECKING PARKING BRAKE

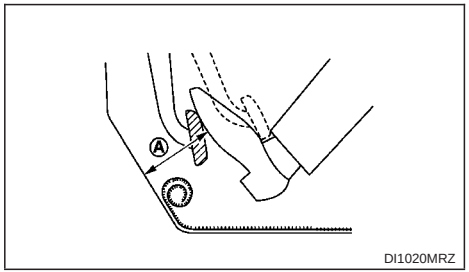

SDI1447AZ

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 Ⓐ 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.

Ⓐ: Depressing force
490 N (50 kg, 110 lb)
For Right-Hand Drive (RHD) model:
80 mm (3.15 in) or more
For Left-Hand Drive (LHD) model:
72 mm (2.83 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 scrapping 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.

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.

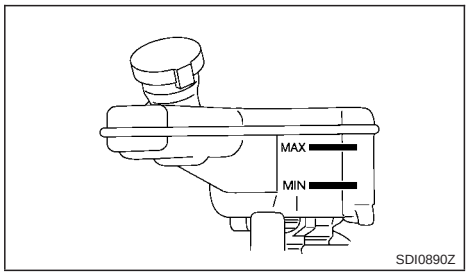
BRAKE FLUID

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. For recommended types of fluid, see "Capacities and recommended fluids/lubricants" in the "9. Technical information" section.

If the brake fluid must be added frequently, the brake system should be thoroughly checked by a NISSAN dealer or qualified workshop.

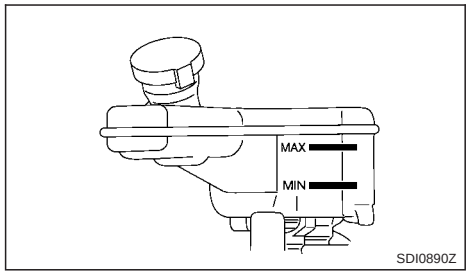
CLUTCH FLUID (where fitted)

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. For recommended types of fluid, see "Capacities and recommended fluids/lubricants" in the "9. Technical information" section.

If the fluid must be added frequently, the clutch system should be thoroughly checked by a NISSAN dealer or qualified workshop.

AUTOMATIC TRANSMISSION FLUID (ATF) (where fitted)

When checking or replacement is required, NISSAN recommends contacting a NISSAN dealer or qualified workshop for servicing.

CAUTION

- **Use only Genuine NISSAN Matic S ATF. Do not mix with other fluids.**
- **Using transmission fluid other than Genuine NISSAN Matic S ATF will cause deterioration in driveability and transmission durability, and may damage the automatic transmission, which is not covered by the warranty.**

CONTINUOUSLY VARIABLE TRANSMISSION (CVT) FLUID (where fitted)

Contact a NISSAN dealer if checking or replacement is required.

CAUTION

- **Use only the specified transmission fluid. Do not mix with other fluids. (See “Capacities and recommended fluids/lubricants” in the “9. Technical information” section.)**
- **Using transmission fluid other than the specified ones will cause deterioration in driveability and transmission durability, and may damage the transmission, which is not covered by the warranty.**

AIR CLEANER FILTER

WARNING

- **Operating the engine 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

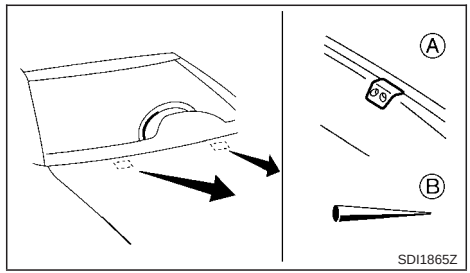
WINDSCREEN WIPER BLADES

Cleaning

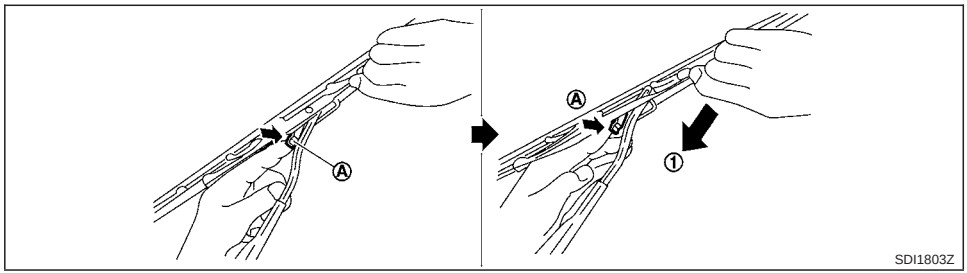
If the windscreen is not clear after using the window washer or if a wiper blade chatters when running, wax or other material may be on the blade or windscreen.

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 Ⓐ. This may cause improper windscreen washer operation. If the nozzle is clogged, remove any objects with a needle or small pin Ⓑ. Be careful not to damage the nozzle.



Replacing

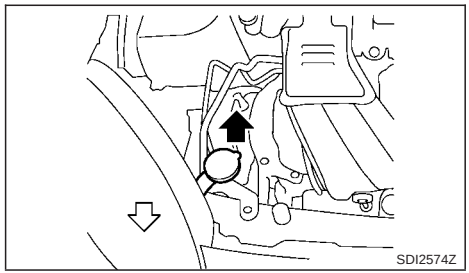
1. Lift the wiper arm and away from the windscreen.
2. Push and hold the release tab Ⓐ, then move the wiper blade downwards the wiper arm to remove ①.
3. Remove the wiper blade.
4. Insert the new wiper blade onto the wiper arm until it clicks into place.
5. Return the wiper arm to its original position.

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.

CAUTION

- **Do not substitute anti-freeze engine coolant for window washer solution. This may result in damage to the paint.**
- **Always use window washer fluid recommended by NISSAN.**

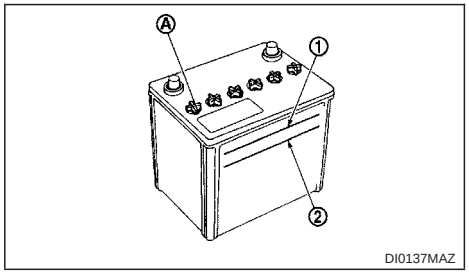
Caution symbols for battery			⚠ WARNING
①		No smoking No exposed flames No sparks	Never smoke around the battery. Never expose the battery to open flames or electrical sparks.
②		Shield eyes	Handle the battery cautiously. Always wear eye protection glasses to protect against explosion or battery acid.
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

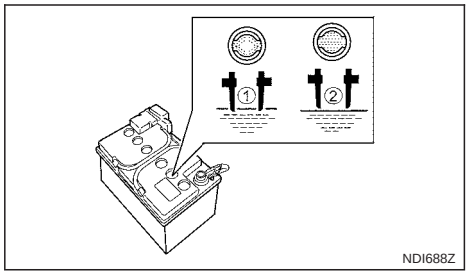
⚠ WARNING

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.

Checking battery fluid level



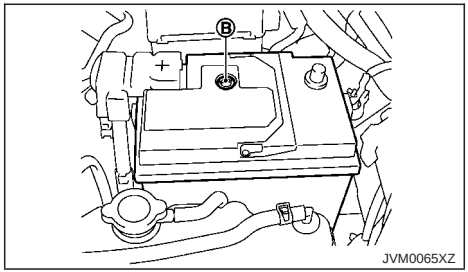
Type A



Type A

① OK

② ADD



Type B

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 Ⓐ (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.
- For a maintenance free battery (Type B) it is not required to check the fluid level. However, NISSAN recommends to visually check the green indicator Ⓑ status periodically. If the colour of the indicator changed, contact a NISSAN dealer or qualified workshop as soon as possible.

For models with Stop/Start System, see "Jump starting" in the "6. In case of emergency" section.

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.

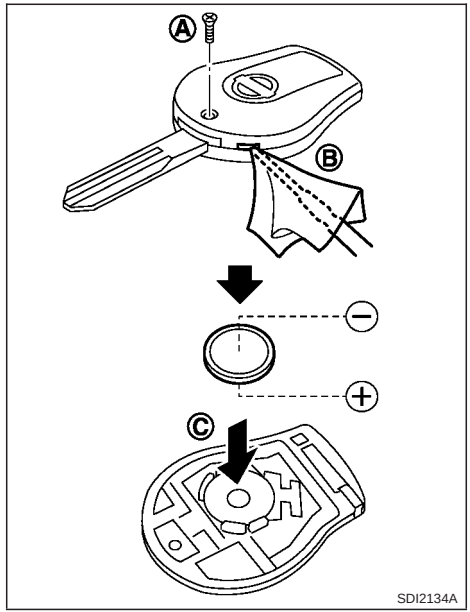
INTEGRATED KEY FOB BATTERY

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 Ⓐ.
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: 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 Ⓒ.
4. Close the lid and install the screw securely.
5. Operate the buttons to check its operation.

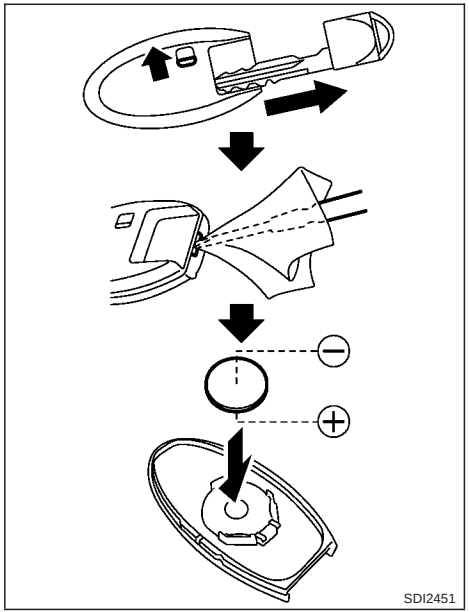
See a NISSAN dealer or qualified workshop if you need assistance for replacement.

INTELLIGENT KEY BATTERY

Battery replacement

CAUTION

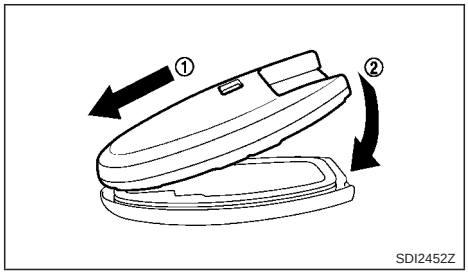
- **Be careful not to allow children to swallow the battery and removed parts.**
- **An improperly disposed battery can harm the environment. Always confirm local regulations for battery disposal.**
- **When changing batteries, do not let dust or oil get on the components.**
- **There is danger of explosion 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.

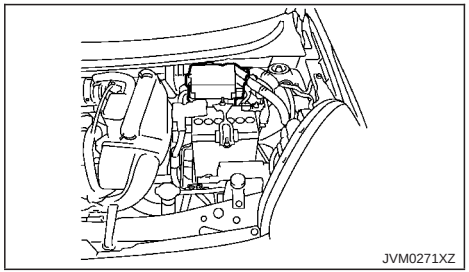
VARIABLE VOLTAGE CONTROL SYSTEM (where fitted)

CAUTION

- **Do not ground accessories directly to the battery terminal. Doing so will bypass the variable voltage control system and the vehicle battery may not charge completely.**
- **Use electrical accessories with the engine running to avoid discharging the vehicle battery.**

Your vehicle is equipped with a variable voltage control system. This system measures the amount of electrical discharge from the battery and controls voltage generated by the alternator.

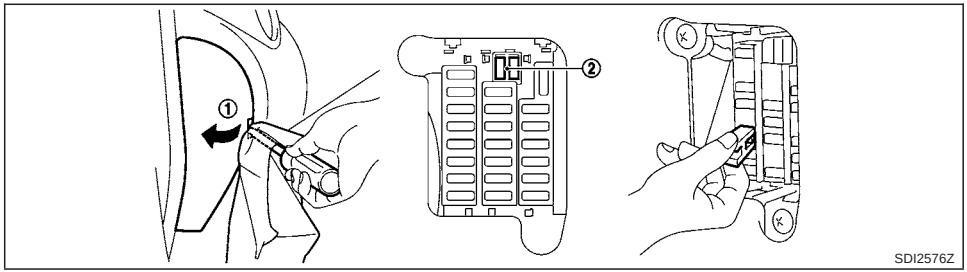
ENGINE COMPARTMENT



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.



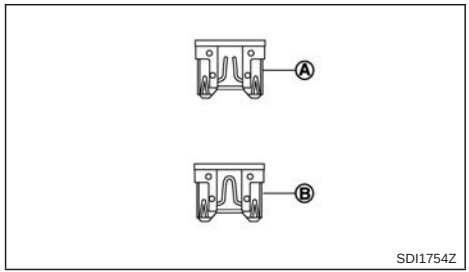
PASSENGER COMPARTMENT

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.

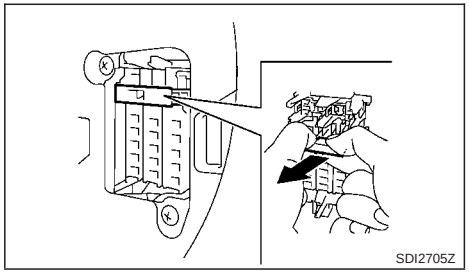
If any electrical equipment does not operate, check for an open fuse.

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 Ⓐ, replace it with a new fuse Ⓑ.

If the new fuse also opens, after installing, have the electrical system checked, and if necessary repaired, by a NISSAN dealer or qualified workshop.


SDI2705Z

Extended storage fuse switch (where fitted)

If any electrical equipment does not operate, remove the extended storage fuse switch and check for an open fuse.

NOTE

The extended storage fuse switch is used for long term vehicle storage. If the extended storage fuse 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 fuse switch:

1. To remove the extended storage fuse switch, 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.
4. Pinch the switch and pull it in the direction as illustrated.

HEADLIGHTS

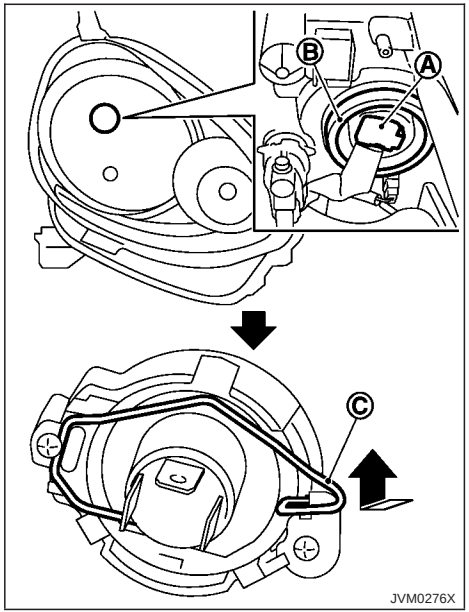
Fog may temporarily form inside the lens of the exterior lights in the rain or in a car wash. A temperature difference between the inside and the outside of the lens causes the fog. This is not a malfunction. If large drops of water collect inside the lens, contact a NISSAN dealer or qualified workshop.

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 Ⓐ from the rear end of the bulb.
3. Pull off the rubber cap Ⓑ.
4. Push and turn the retaining pin Ⓒ 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.

Mist may temporarily form inside the lens of exterior lights in the rain or in a car wash. A temperature difference between the inside and outside of the lens causes the mist. This is not a malfunction. If large drops of water collect inside the lens, contact a NISSAN dealer.

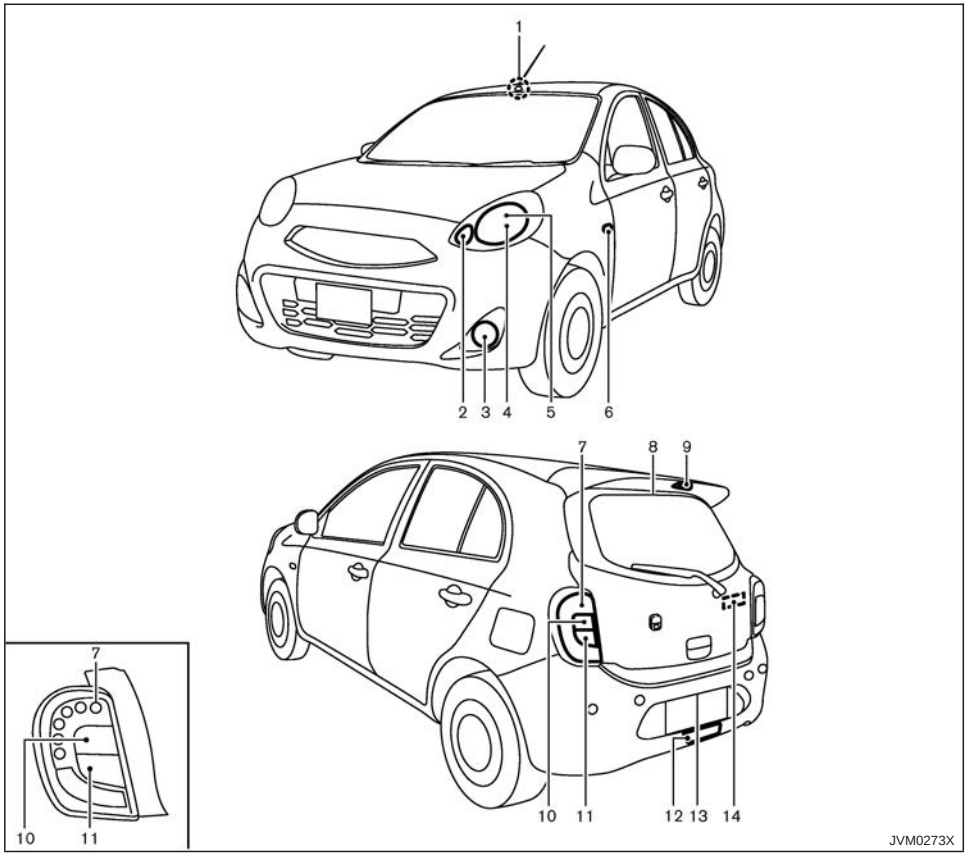
EXTERIOR LIGHTS

Item	Wattage (W)
Front turn signal light	21
Front side light	5
Front fog light (where fitted)	55
Side turn signal light	5
Rear combination light	
Turn signal	21
Stop/Tail light	LED* or 21/5
Reverse light	16
Rear fog light	21
High-mounted stop light	LED* or 16
Number plate light	5

*: See a NISSAN dealer or qualified workshop for replacement.

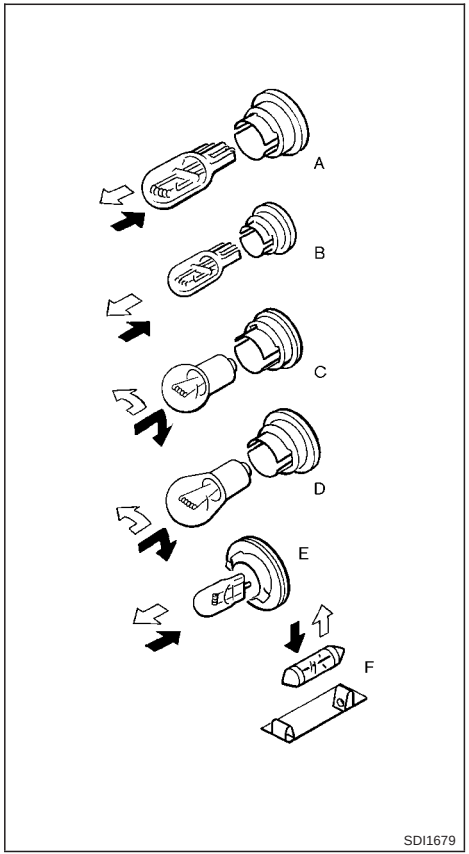
INTERIOR LIGHTS

Item	Wattage (W)
Room light	5
Boot light (where fitted)	5



LIGHT LOCATIONS

1. Interior light
2. Front turn signal light
3 Front fog light (where fitted)
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
12. Rear fog light
13 Number plate light
13. Boot light (where fitted)

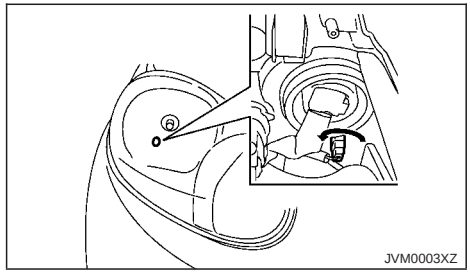


⇨ REMOVE

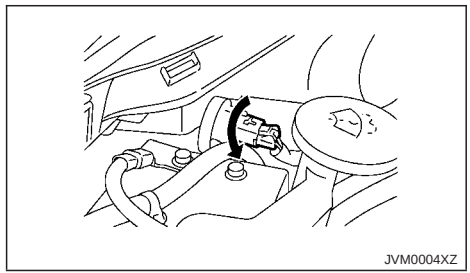
➡ INSTALL

Replacement procedures

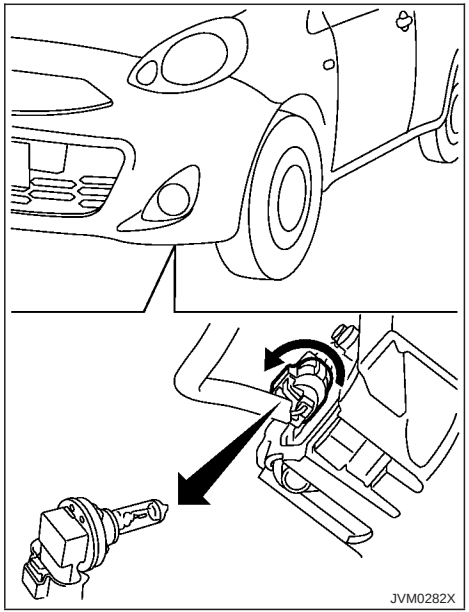
All other lights are either type A, B, C, D, E or F. When replacing a bulb, first remove the lens and/or cover.



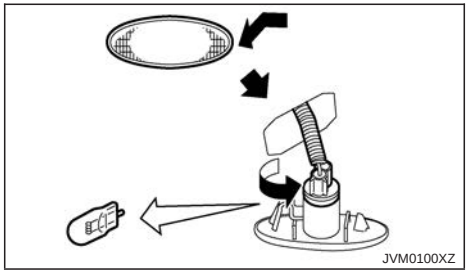
Front side light (example)



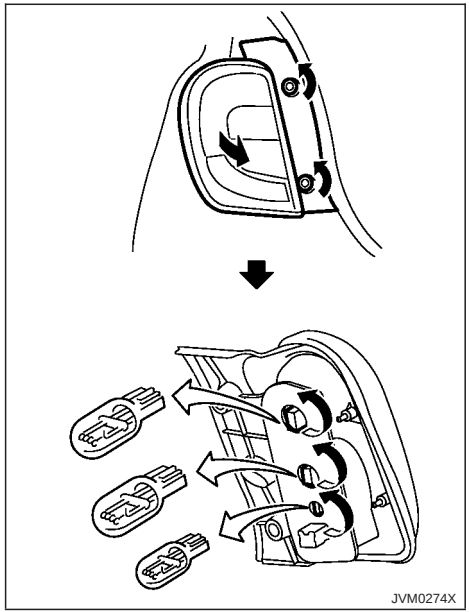
Front turn signal light (example)



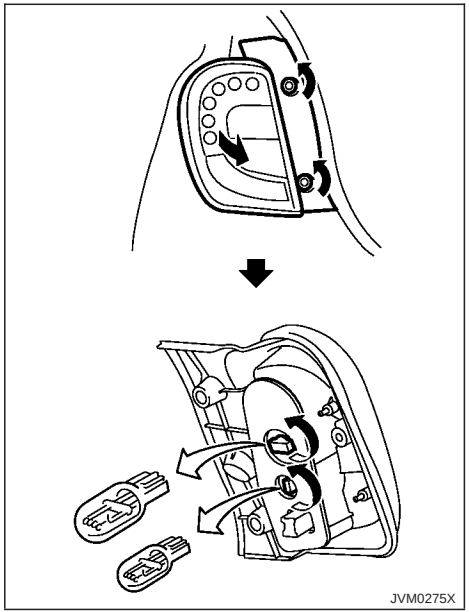
Front fog light (where fitted)



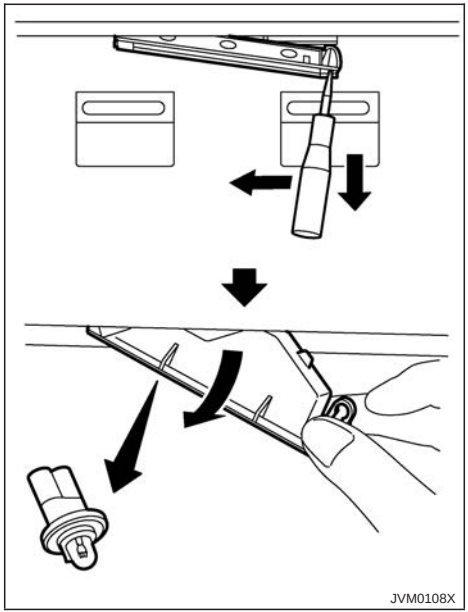
Side turn signal light



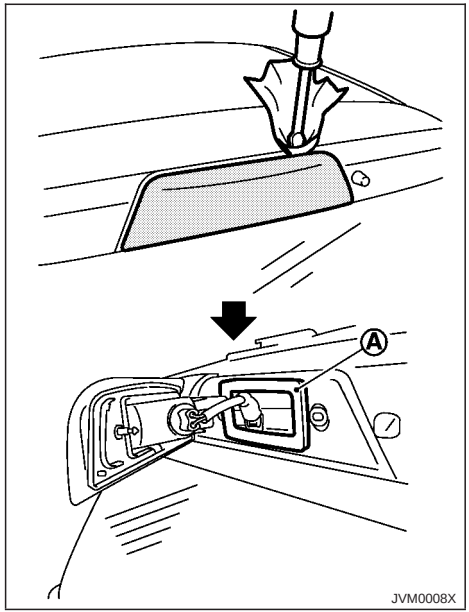
Rear combination light (Type A)



Rear combination light (Type B)



Number plate light



High-mounted stop light (model with rear spoiler)

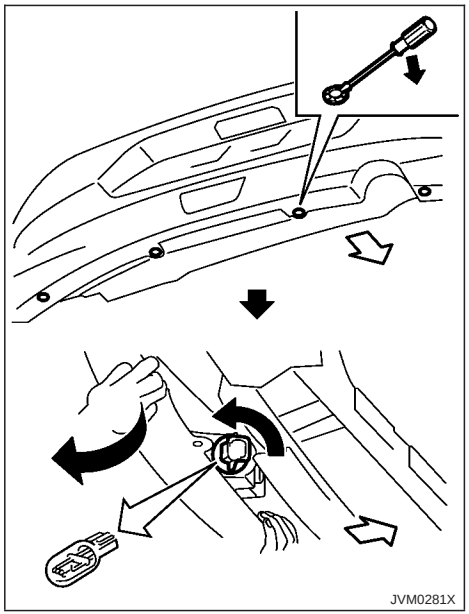
CAUTION

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.

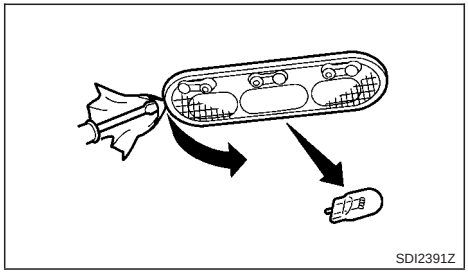
To replace the high-mounted stop light bulb:

1. Remove the light with a suitable tool.

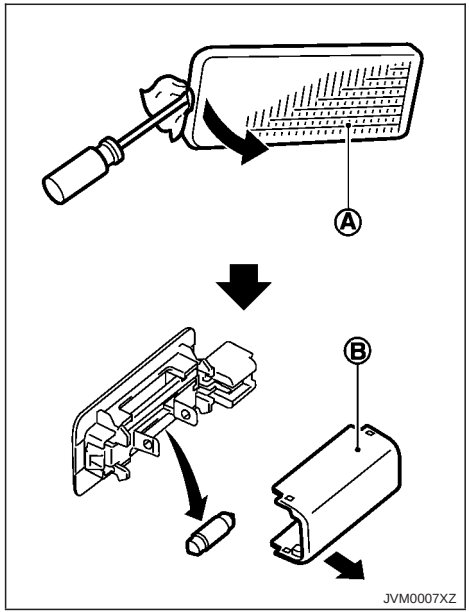
2. Remove the bulb socket and then replace the bulb.
3. Replace the packing Ⓐ.
4. Install in the reverse order of removal.



Rear fog light



Room light

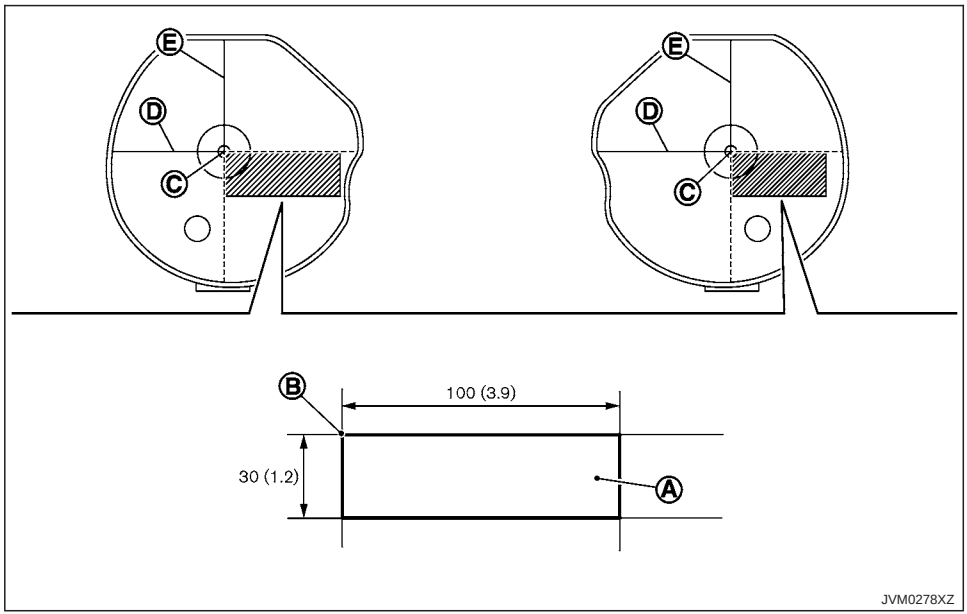


Boot light (where fitted)

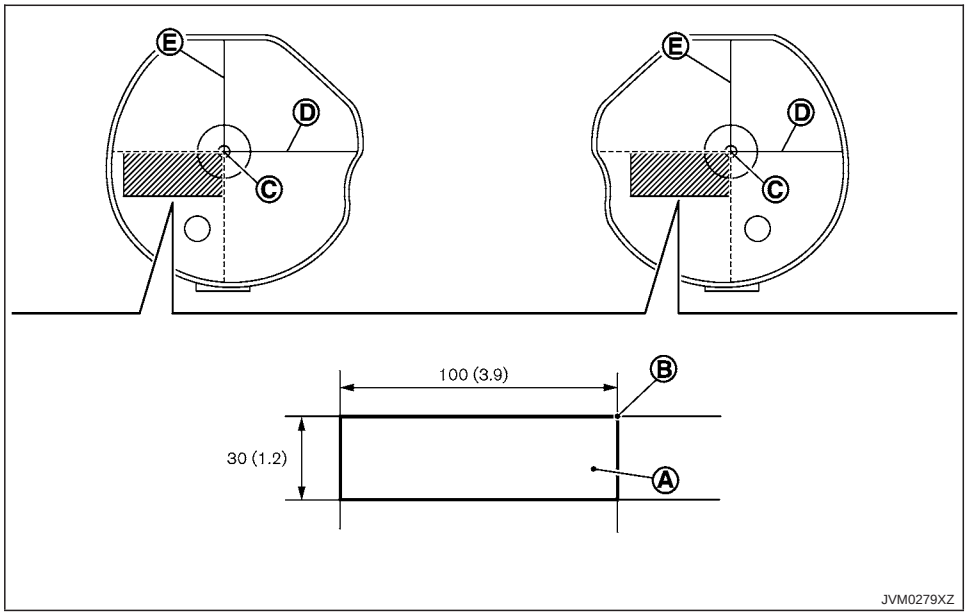
To replace the boot light bulb (where fitted):

1. Remove the light Ⓐ with a suitable tool.
2. Remove the cover Ⓑ.
3. Replace the bulb.

LEGAL REQUIREMENT TO ADJUST HEADLIGHT BEAM



Left-Hand Drive (LHD) model, units: mm (inch)



Right-Hand Drive (RHD) model, units: mm (inch)

When the vehicle is driven in a country where the driving lane is different to your home country, affix an opaque sticker on the headlight.

1. Turn the ignition switch to the ″OFF″ position and wait until the headlights cool down.
2. Prepare the stickers referring to the figure. Make the stickers Ⓐ that will be affixed to the surface of the right side headlight and the left side headlight.

   NOTE

   - **Use an opaque material that prevents the light from passing through it.**
   - **Note that transparent materials do not work effectively.**
3. Affix the sticker by aligning the corner Ⓑ of the sticker with the position of the mark Ⓒ that is located on the surface of the headlight seen from front.

   Affix the sticker as illustrated by aligning the mark Ⓒ with dividing lines Ⓓ and Ⓔ.

   NOTE

   Align the mark Ⓒ with the centre mark ◯ of the headlight bulb.

In case of a flat tyre, see “Flat tyre” in the “6. In case of emergency” section.

TYRE PRESSURE MONITORING SYSTEM (TPMS) (where fitted)

The Tyre Pressure Monitoring System (TPMS) monitors tyre pressure of all tyres except the spare. When the low tyre pressure warning light is lit, one or more of your tyres is significantly under-inflated.

The TPMS will activate only when the vehicle is driven at speeds above 25 km/h (16 MPH). Also, this system may not detect a sudden drop in tyre pressure (for example a flat tyre while driving).

For more details about the TPMS, see “Tyre Pressure Monitoring System (TPMS) (where fitted)” in the “5. Starting and driving” section.

For additional information, see “Low tyre pressure warning” in the “2. Instruments and controls” 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. (For the location of the tyre placard, see “Vehicle identification” in the “9. Technical information” section.).

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.

For models equipped with Tyre Pressure Monitoring System (TPMS):

If the tyres are replaced with tyres not equipped with the specified tyre pressure sensors, the TPMS will not function properly. Contact a NISSAN dealer or qualified workshop.

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 trac-

tion capabilities of studded snow tyres, on wet or dry surfaces, may be poorer than that of non-studded snow tyres.

SNOW CHAINS

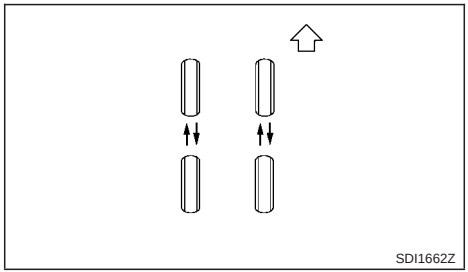
Use of snow chains may be prohibited in some areas. Check the local laws before installing snow chains. When installing snow chains, make sure they are of proper size for the tyres on your vehicle and are installed according to the chain manufacturer's suggestions.

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 temporary-use spare tyre (TEMPORARY USE ONLY). Do not use the chains on dry roads.

TYRE ROTATION


SDI1662Z

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.

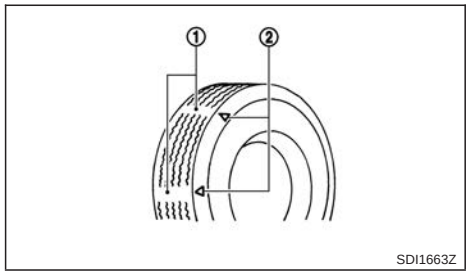
For tyre replacing procedures, see "Flat tyre" in the "6. In case of emergency" section.

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.**

For models equipped with Tyre Pressure Monitoring System (TPMS)

After the tyres are rotated, the TPMS must be reset. See "Tyre Pressure Monitoring System (TPMS) (where fitted)" in the "5. Starting and driving" section for details about the resetting procedure.



SDI1663Z

① Wear indicator

② Wear indicator location mark. The locations are shown by " △ ", "TWI", etc. depending on tyre types.

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. For recommended types and sizes of tyres and wheels, see “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.

Confirm the following for the TPMS (where fitted).

WARNING

- **After a tyre or a wheel is replaced, the TPMS must be reset. (See “Tyre Pressure Monitoring System (TPMS) (where fitted)” in the “5. Starting and driving” section for details about the resetting procedure.)**
- **When a spare tyre is mounted or a wheel is replaced, the TPMS will not function and the low tyre pressure warning light will flash for approximately 1 minute. The light will remain on after 1 minute. Contact a NISSAN dealer or qualified workshop as soon as possible for tyre replacement and/or system resetting.**
- **Replacing tyres with those not originally specified by NISSAN could affect the proper operation of the TPMS.**

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 spare tyre (where fitted)

Observe the following precautions if the spare tyre must be used, otherwise your vehicle could be damaged or involved in an accident.

CAUTION

- **The spare tyre should be used only for emergency. It should be replaced by the standard tyre at the first opportunity.**
- **Drive carefully while the spare tyre is installed.**
- **Avoid sharp turns and abrupt braking while driving.**
- **Do not drive your vehicle at speeds faster than 80 km/h (50 MPH).**
- **Do not use snow chains on a spare tyre. Snow chains will not fit properly on the spare tyre and may cause damage to the vehicle.**
- **When driving on roads covered with snow or ice, the spare tyre should be used on the rear wheel and the original tyre used on the front wheels (drive wheels). Use tyre chains only on the front two original tyres.**
- **Tyre tread of the spare tyre will wear at a faster rate than the original tyre. Replace the spare tyre as soon as the tread wear indicators appear.**
- **Because the 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 spare tyre on other vehicles.**
- **Do not use more than one spare tyre at the same time.**

EMERGENCY TYRE PUNCTURE REPAIR KIT (where fitted)

The emergency tyre puncture repair kit is supplied to the vehicle instead of a spare tyre. The repair kit must be used for temporarily fixing a minor tyre puncture. After using the repair kit, see a NISSAN dealer or qualified workshop as soon as possible for tyre inspection and repair/replacement.

CAUTION

Do not use the emergency tyre puncture repair kit under the following conditions. Contact a NISSAN dealer or qualified workshop or professional road assistance:

- **When the sealant has passed its expiration date (shown on the label attached to the sealant bottle).**
- **When the cut or the puncture is approximately 6 mm (0.25 in) or longer.**
- **When the side of the tyre is damaged.**
- **When the vehicle has been driven with a considerable loss of air from the tyre.**
- **When the tyre is completely displaced inside or outside the rim.**
- **When the tyre rim is damaged.**
- **When two or more tyres are flat.**

If possible, have the vehicle towed to a facility that can repair or replace the flat tyre.

See “Flat tyre” in the “6. In case of emergency” section for more details.

9 Technical information

Capacities and recommended fluids/lubricants 9-2
Fuel information 9-4
Recommended SAE viscosity number 9-4
Air conditioner system refrigerant and lubricant ... 9-4
Engine 9-5
Wheels and tyres 9-5
Dimensions 9-6
When travelling or transferring your registration to another country 9-6
Vehicle identification 9-6
Vehicle identification plate 9-6
Vehicle Identification Number (VIN) 9-6
Vehicle Identification Number (VIN) plate (where fitted) 9-7
Engine serial number 9-7
Tyre placard 9-7
Air conditioner specification label (where fitted) 9-8
Installation of an RF transmitter 9-8
Radio approval number and information 9-8
For Europe 9-8
For Croatia 9-10

CAPACITIES AND RECOMMENDED FLUIDS/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.

			Approximate Capacity		Recommended Fluids/Lubricants
			Metric Measure	Imperial Measure	
Fuel			41 L	9 gal.	See “Fuel information” later in this section.
Engine oil*					
Drain and refill	HR12DE	With oil filter change	3.0 L	2–5/8 qt	• Genuine NISSAN engine oil • NISSAN recommends Genuine NISSAN Ester oil available at a NISSAN dealer or qualified workshop. Genuine NISSAN Ester oil is the best choice for optimum fuel economy. • API grade SL, SM or SN • ILSAC grade GF-3, GF-4 or GF-5 • ACEA A1/B1, A3/B3, A3/B4, A5/B5, C2 or C3 • For SAE viscosity number, see “Recommended SAE viscosity number” later in this section.
		Without oil filter change	2.8 L	2–1/2 qt	
	HR12DDR	With oil filter change	3.9 L	3-3/8 qt	
		Without oil filter change	3.7 L	3-1/4 qt	
Cooling system (including reservoir tank capacity 0.7 L (5/8 qt)					
	HR12DDR	MT model	5.4 L	4-3/4 qt	• Genuine NISSAN Engine Coolant or equivalent in its quality*
		CVT model	5.9 L	5-1/4 qt	
	HR12DE	MT or AT model	5.5 L	4-7/8 qt	
		CVT model	5.6 L	4-7/8 qt	
Automatic Transmission Fluid (ATF)			—	—	• Genuine NISSAN Matic S ATF • Using automatic transmission fluid other than Genuine NISSAN Matic S ATF will cause deterioration in driveability and automatic transmission durability, and may damage the automatic transmission, which is not covered by the warranty.

	Approximate Capacity		Recommended Fluids/Lubricants
	Metric Measure	Imperial Measure	
Continuously Variable Transmission (CVT) fluid	—	—	• Genuine NISSAN CVT Fluid NS-3 • Use only Genuine NISSAN CVT Fluid NS-3. Using transmission fluid other than Genuine NISSAN CVT Fluid NS-3 will damage the CVT, which is not covered by the warranty.
Manual Transmission (MT) gear oil	—	—	• Use Genuine NISSAN Manual Transmission Fluid (MTF) HQ Multi 75W-85 or equivalent • If Genuine NISSAN Manual Transmission Fluid (MTF) HQ Multi is not available, API GL-4, Viscosity SAE 75W-85 may be used as a temporary replacement. However, use Genuine NISSAN Manual Transmission Fluid (MTF) HQ Multi as soon as it is available.
Brake and clutch fluid	Refill to the proper fluid level according to the instructions in the “8. Maintenance and do-it-yourself” section.		• Genuine NISSAN Brake Fluid or equivalent DOT3 or DOT4 • For details, see the brake fluid reservoir cap or the caution label attached to the brake fluid reservoir or the underside of the bonnet. Never mix different types of fluids (DOT3 and DOT4).
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

*: For additional information, see “Changing engine oil and oil filter” in the “8. Maintenance and do-it-yourself” section.

FUEL INFORMATION

CAUTION

Do not use leaded petrol. Using leaded petrol will damage the three-way catalyst.

(HR12DE engine model): 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) or above may be temporarily used, but only under the following precautions:

- Have the fuel tank filled only partially with unleaded regular petrol, and fill up with unleaded premium petrol as soon as possible.
- Avoid full throttle driving and abrupt acceleration.

Use unleaded premium petrol for maximum vehicle performance.

(HR12DDR engine model): 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

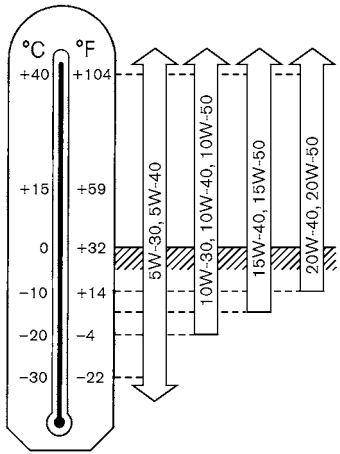
Petrol engine oil

5W-30 is preferable.

If 5W-30 is not available, select the viscosity from the chart that is suitable for the outside temperature range.

Outside Temperature Range Anticipated Before Next Oil Change

PETROL ENGINE OIL



STI0589

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 Blue Citizenship

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		HR12DDR	HR12DE
Type		Petrol, 4–cycle, DOHC	Petrol, 4–cycle, DOHC
Cylinder arrangement		3–cylinder in–line	3–cylinder in–line
Bore x Stroke	mm (in)	78.0 x 83.6 (3.071 x 3.291)	78.0 x 83.6 (3.071 x 3.291)
Displacement	cm^3 (cu in)	1,198 (73.10)	1,198 (73.10)
Idling speed in N position	rpm	CVT: 775 ± 50 MT: 750 ± 50	CVT: 750 ± 50 MT: 750 ± 50 (*1) MT: 860 ± 50 (*2) AT: 775 ± 50 (*2)
Ignition timing (BTDC)	degree	CVT: 11° ± 2° MT: 11° ± 2°	CVT: 9° ± 2° MT: 12° ± 2° AT: 8° ± 2° (*2)
Spark plugs	Standard	DILKAR7E11HS	REA12WMB4 (*1) REA12MC4 (*2)
Spark plug gap	mm (in)	1.1 (0.043)	1.1 (0.043)
Camshaft operation		Timing chain	Timing chain

*1: Europe

*2: Ukraine

WHEELS AND TYRES

Item		Size	Offset mm (in)
Road wheel	Steel	14 x 5–1/2J	45 (1.77)
		15 x 5–1/2J	50 (1.97)
		14 x 4T *2	40 (1.57)
	Aluminium alloy wheel	15 x 5–1/2J	50 (1.97)
		16 x 6J	55 (2.17)
Tyre size	Conventional	165/70R14 81S 175/60R15 81H 185/55R16 83V	
	Spare *1	165/70R14 81S *2 175/60R15 81H *2 T115/70 D14 88M *2	

*1: The tyre puncture repair kit (where fitted)

*2: Where fitted

DIMENSIONS

Unit: mm (in)

Overall length	3,825 (150.6)
Overall width	1,665 (65.6)
Overall height	1,520 (59.8) *1
	1,535 (60.4) *2
Front tread	1,450 (57.1)*2
	1,470 (57.9)*3
	1,460 (57.5)*4
Rear tread	1,455 (57.3)*2
	1,475 (58.1)*3
	1,465 (57.7)*4
Wheelbase	2,440 (96.1)
	2,450 (96.5)

*1: Except for 185/55R16 tyre models

*2: For 185/55R16 tyre models

*3: For 165/70R14 tyre models

*4: 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.

Using fuel with too low octane rating may cause engine damage. Therefore, avoid taking your vehicle to areas where appropriate fuel is not available.

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.

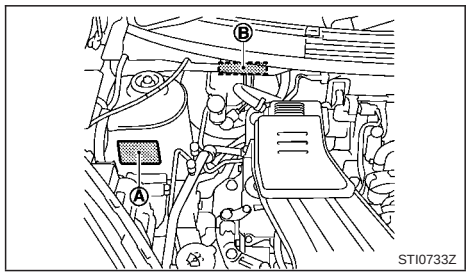
The laws and regulations for motor vehicle emission control and safety standards vary according to the country; therefore, vehicle specifications may differ.

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

It is prohibited to cover, paint, weld, cut, drill, alter or remove Vehicle Identification Number (VIN).

VEHICLE IDENTIFICATION PLATE

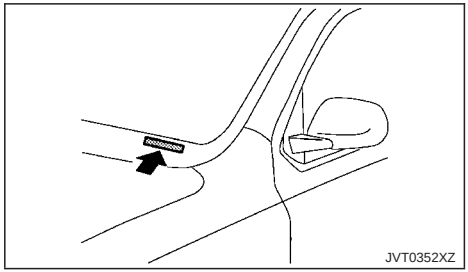


The plate is affixed as shown Ⓐ.

VEHICLE IDENTIFICATION NUMBER (VIN)

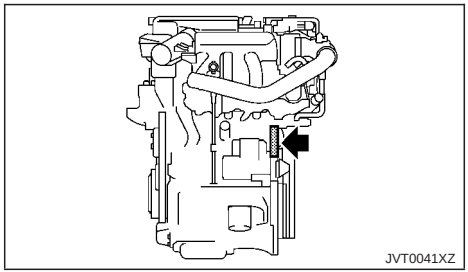
The vehicle identification number is stamped as shown Ⓑ.

VEHICLE IDENTIFICATION NUMBER (VIN) PLATE (where fitted)

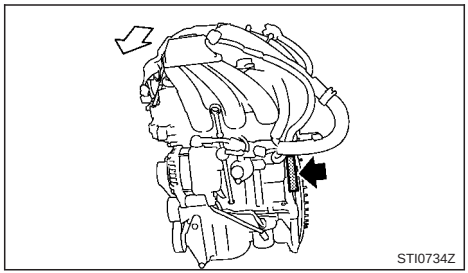


The vehicle identification number is stamped as shown.

ENGINE SERIAL NUMBER



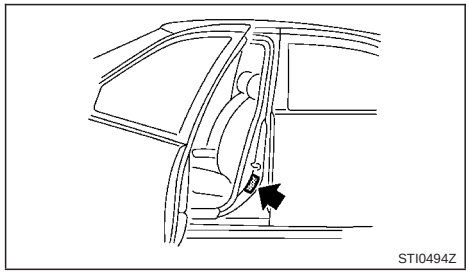
HR12DDR Engine



HR12DE Engine

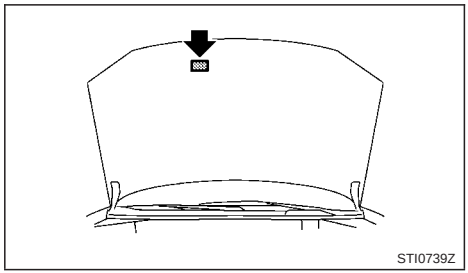
The number is stamped on the engine as shown.

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.

INSTALLATION OF AN RF TRANSMITTER

For countries conforming to UN regulation No.10 or equivalent:

The installation of an RF transmitter in your vehicle could affect electric equipment systems. Be sure to check with your NISSAN dealer or qualified workshop for precautionary measures or special instructions regarding installation. Upon request, your NISSAN dealer or qualified workshop will provide the detailed information (frequency band, power, antenna position, installation guide, etc.) regarding installation.

RADIO APPROVAL NUMBER AND INFORMATION

FOR EUROPE

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.

CE

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.

CE

NISSAN Anti-Theft System (NATS) immobilizer

Calsonic Kansei Corporation:

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.

Continental Automotive GmbH:

Hereby, Continental declares that this ANT ASSY-IMMOBILISER; model A2C85258400, A2C96911600 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

CAUTION

Do not exposed 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.

CE

Tyre Pressure Monitoring System (TPMS) tuner (where fitted)



ALPS ALPS ELECTRIC CO., LTD. Engineering Headquarters
6-3-36, Nakazato, Furukawa, Osaki-city, Miyagi pref. 989-6181, Japan
Phone +81-229-25-8111 Fax +81-229-23-1825

DECLARATION of CONFORMITY
For

CE

Product: TPMS TUNER CONT
Model: TWD1G791
Type: Receiver

Supplied by
ALPS ELECTRIC CO.,LTD.
6-3-36, Nakazato, Furukawa, Osaki-city,
Miyagi-pref., JAPAN 989-6181

Technical Construction File held by
ALPS ELECTRIC CO.,LTD.
6-3-36, Nakazato, Furukawa, Osaki-city,
Miyagi-pref., JAPAN 989-6181

Notified Body - R&TTE Directive N/A

Standard used for comply

R&TTE Directive (Article 3.1(a) Safety)	EN 60065: 2002 + Amd.1: 2006 + Amd.11: 2008 + Amd.2: 2010 +Amd.12: 2011
R&TTE Directive (Article 3.1(b) EMC)	EN 301 489-1 V1.9.2:2011-09 EN 301 489-3 V1.4.1:2002-08
R&TTE Directive (Article 3.2 Spectrum)	EN 300 220 1 V2.4.1:2012-05 EN 300 220-2 V2.4.1:2012-05

Means of Conformity
We declare under our sole responsibility that the Product (s) is conformity with the essential requirements and other relevant requirements of the Radio and Telecommunication Terminal Equipment (R&TTE) Directive (1999/5/EC).

Date of issue: January 28, 2013

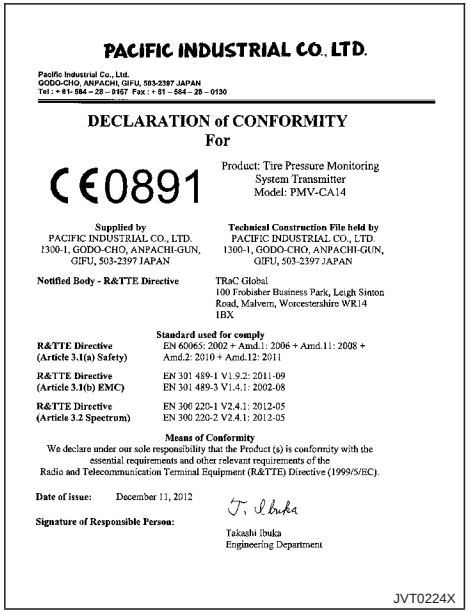
Signature of Responsible Person:

Toru Kinoshita
Group Manager
GROUP 2 ENGINEERING DEPT. M5

JVT0223X

Hereby, ALPS ELECTRIC CO., LTD., declares that this TWD1G791 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Tyre Pressure Monitoring System (TPMS) transmitter (where fitted)



PACIFIC INDUSTRIAL CO., LTD.

Pacific Industrial Co., Ltd.
GODO-CHO, ANPACHI, GIFU, 503-2397 JAPAN
Tel : + 81- 584 – 28 – 8167 Fax : + 81 – 584 – 28 – 0130

DECLARATION of CONFORMITY
For

CE0891

Product: Tire Pressure Monitoring System Transmitter
Model: PMV-CA14

Supplied by
PACIFIC INDUSTRIAL CO., LTD.
1300-1, GODO-CHO, ANPACHI-GUN, GIFU, 503-2397 JAPAN

Technical Construction File held by
PACIFIC INDUSTRIAL CO., LTD.
1300-1, GODO-CHO, ANPACHI-GUN, GIFU, 503-2397 JAPAN

Notified Body - R&TTE Directive
TRaC Global
100 Frobisher Business Park, Leigh Sinton Road, Malvern, Worcestershire WR14 1BX

Standard used for comply

R&TTE Directive (Article 3.1(a) Safety)	EN 60065: 2002 + Amd.1: 2006 + Amd.11: 2008 + Amd.2: 2010 + Amd.12: 2011
R&TTE Directive (Article 3.1(b) EMC)	EN 301 489-1 V1.9.2: 2011-09 EN 301 489-3 V1.4.1: 2002-08
R&TTE Directive (Article 3.2 Spectrum)	EN 300 220-1 V2.4.1: 2012-05 EN 300 220-2 V2.4.1: 2012-05

Means of Conformity
We declare under our sole responsibility that the Product (s) is conformity with the essential requirements and other relevant requirements of the Radio and Telecommunication Terminal Equipment (R&TTE) Directive (1999/5/EC).

Date of issue: December 11, 2012

Signature of Responsible Person:
T. Ibuka
Takashi Ibuka
Engineering Department

JVT0224X

Hereby, PACIFIC INDUSTRIAL CO., LTD., declares that this PMV-CA14 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.



PACIFIC INDUSTRIAL CO., LTD.

DECLARATION of CONFORMITY
For

CE0891

Product: Tire Pressure Monitoring System Transmitter
Model: PMV-CA74

Supplied by
PACIFIC INDUSTRIAL CO., LTD.
1300-1, GODO-CHO, ANPACHI-GUN, GIFU, 503-2397 JAPAN

Technical Construction File held by
PACIFIC INDUSTRIAL CO., LTD.
1300-1, GODO-CHO, ANPACHI-GUN, GIFU, 503-2397 JAPAN

Notified Body - R&TTE Directive
TRaC Global
100 Frobisher Business Park, Leigh Sinton Road, Malvern, Worcestershire WR14 1BX

Standard used for comply

R&TTE Directive (Article 3.1(a) Safety)	EN 60065: 2002 + Amd.1: 2006 + Amd.11: 2008 + Amd.2: 2010 + Amd.12: 2011
R&TTE Directive (Article 3.1(b) EMC)	EN 301 489-1 V1.9.2: 2011-09 EN 301 489-3 V1.6.1: 2013-08
R&TTE Directive (Article 3.2 Spectrum)	EN 300 220-1 V2.4.1: 2012-05 EN 300 220-2 V2.4.1: 2012-05 EN 300 330-1 V1.7.1: 2010-02 EN 300 330-2 V1.5.1: 2010-02

Means of Conformity
We declare under our sole responsibility that the Product (s) is conformity with the essential requirements and other relevant requirements of the Radio and Telecommunication Terminal Equipment (R&TTE) Directive (1999/5/EC).

Date of issue: January 14, 2015

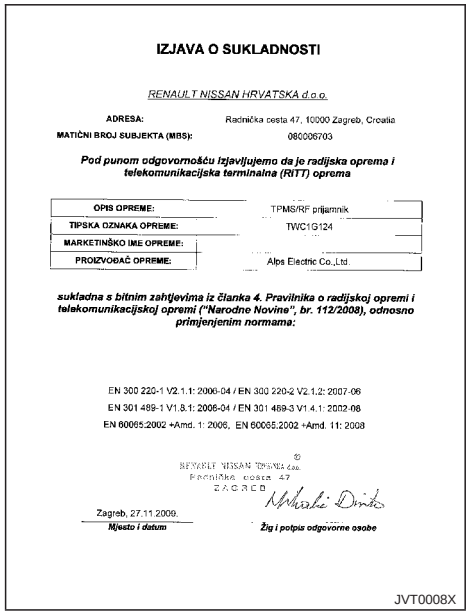
Signature of Responsible Person:
Akira Momose
Akira Momose
General Manager, Engineering Department

JVT0423XZ

Hereby, PACIFIC INDUSTRIAL CO., LTD., declares that this PMV-CA74 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

FOR CROATIA

Remote keyless entry system (where fitted)



IZJAVA O SUKLADNOSTI

RENAULT NISSAN HRVATSKA d.o.o.

ADRESA: Radnička cesta 47, 10000 Zagreb, Croatia
MATIČNI BROJ SUBJEKTA (MBS): 080006703

Pod punom odgovornošću izjavljujemo da je radijska oprema i telekomunikacijska terminalna (RiTT) oprema

OPIS OPREME:	TPMS/RF prijamnik
TIPSKA OZNAKA OPREME:	TWC1G124
MARKETINŠKO IME OPREME:	
PROIZVOĐAČ OPREME:	Alps Electric Co.,Ltd.

sukladna s bitnim zahtjevima iz članka 4. Pravilnika o radijskoj opremi i telekomunikacijskoj opremi ("Narodne Novine", br. 112/2008), odnosno primjenjenim normama:

EN 300 220-1 V2.1.1: 2006-04 / EN 300 220-2 V2.1.2: 2007-06
EN 301 489-1 V1.8.1: 2008-04 / EN 301 489-3 V1.4.1: 2002-08
EN 60065:2002 +Amd. 1: 2006, EN 60065:2002 +Amd. 11: 2008

RENAULT NISSAN HRVATSKA d.o.o.
Radnička cesta 47
ZAGREB

Zagreb, 27.11.2009.
Mjesto i datum

Žig i potpis odgovorne osobe

JVT0008X

IZJAVA O SUKLADNOSTI

RENAULT NISSAN HRVATSKA d.o.o.

ADRESA: Radnička cesta 47, 10000 Zagreb

MATIČNI BROJ SUBJEKTA (MBS): 080006703

Pod punom odgovornošću izjavljujemo da je radijska oprema i telekomunikacijska terminalna (RiTT) oprema

OPIS OPREME:	Odašiljač sustava za daljinsko zaključavanje/otključavanje vozila
TIPSKA OZNAKA OPREME:	TWB1U761
MARKETINŠKO IME OPREME:	
PROIZVOĐAČ OPREME:	Alps Electric Co., Ltd.

sukladna s bitnim zahtjevima iz članka 4. Pravilnika o radijskoj opremi i telekomunikacijskoj opremi ("Narodne Novine", br. 112/2008), odnosno prinjenjenim normama:

EN 300 220-1 V2.1.1:2006-04/ EN 300 220-2 V2.1.2:2007-06

EN301 489-1 V1.8.1: 2008-04/ EN301 489-3 V1.4.1: 2002-08

IEC 60065_2001+Amd.1: 2005/ EN 60065: 2002+Amd. 1

RENAULT NISSAN ZAGREB d.o.o.
Radnička cesta 47
ZAGREB

Zagreb, 16.10.2009.

Mjesto i datum — *Žig i potpis odgovorne osobe*

JVT0009X

Intelligent Key system (where fitted)

IZJAVA O SUKLADNOSTI

RENAULT NISSAN HRVATSKA d.o.o.

ADRESA: Radnička cesta 47, Zagreb

MATIČNI BROJ SUBJEKTA (MBS): 080006703

Pod punom odgovornošću izjavljujemo da je radijska oprema i telekomunikacijska terminalna (RiTT) oprema

OPIS OPREME:	Sustav za daljinsko otključavanje/zaključavanje vozila
TIPSKA OZNAKA OPREME:	TWB1G682 / TWC1G135
MARKETINŠKO IME OPREME:	TWB1G682 / TWC1G135
PROIZVOĐAČ OPREME:	ALPS ELECTRIC CO. LTD.

sukladna s bitnim zahtjevima iz članka 4. Pravilnika o radijskoj opremi i telekomunikacijskoj opremi ("Narodne Novine", br. 112/2008), odnosno prinjenjenim normama:

EN300 220-1 V2.1.1 / EN300 220-2 V2.1.2

EN301 489-1 V1.8.1 / EN301 489-3 V1.4.1

EN 60065:2002+Amd. 1

RENAULT NISSAN HRVATSKA d.o.o.
Radnička cesta 47
ZAGREB

Zagreb, 23.03.2009.

Mjesto i datum — *Žig i potpis odgovorne osobe*

JVT0010X

IZJAVA O SUKLADNOSTI

(Declaration of Conformity)

U skladu s člankom 98. stavak 1. Zakona o telekomunikacijama (NN 122/2003)
(According to Article 98 paragraph 1 of the Law on telecommunications (NN 122/2003))

Renault Nissan Hrvatska

(IME/NAZIV OSOBE ODGOVORNE ZA STAVLJANJE NA TRŽIŠTE)*
(Name of the person responsible for placing on the market)

ADRESA *(Address)*: Radnička cesta 47, 10000 Zagreb, Croatia

MATIČNI BROJ SUBJEKTA (MBS) *(Market Court registration number)*: 080006703

Pod punom odgovornošću izjavljujemo da je R&TT oprema
(Under our sole responsibility we declare that R&TT equipment)

OPIS OPREME: *(Equipment description)*	Immobilizer Antenna
TIPSKA OZNAKA OPREME: *(Type designation)*	TWK1A002
MARKETINŠKO IME OPREME: *(Marketing name)*	TWK1A002
PROIZVOĐAČ OPREME: *(Name, factory)*	ALPS ELECTRIC CO., LTD.

sukladna s bitnim zahtjevima iz članka 98. stavak 3. Zakona o telekomunikacijama, odnosno prinjenjenim normama:
is in conformity with essential requirements of Article 98 paragraph 3 of the Law on telecommunications, i.e. applied standards:

EN300 330-1 V1.3.1: 2001-06/ EN300 330-2 V1.3.1: 2006-04

EN301 489-1 V1.6.1: 2005-09/ EN301 489-3 V1.4.1: 2002-08

EN 60065: 2002+Amd. 1: 2006

RENAULT NISSAN HRVATSKA d.o.o.
Radnička cesta 47
ZAGREB

Mjesto i datum *(Place and date)* — *Žig i potpis odgovorne osobe* *(Seal and sign of the responsible person)*

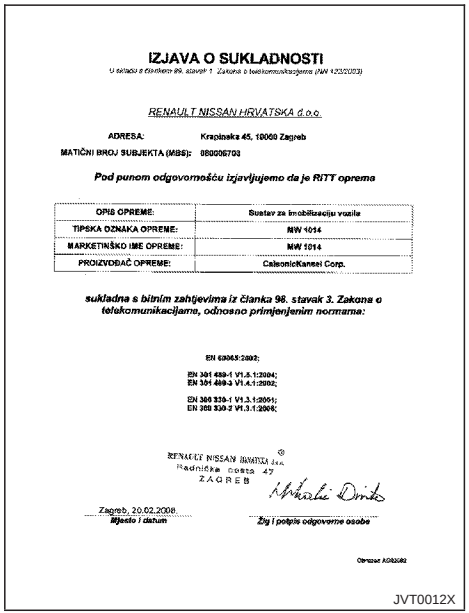
* Na mjestu davanja izjave upišite naziv/ime osobe odgovorne za stavljanje na tržište
(Insert in the written declaration the name of the person responsible for placing on the market)

Obrazac AGA2001

JVT0011X

NISSAN Anti-Theft System (NATS) immobilizer

Calsonic Kansei Corporation:



IZJAVA O SUKLADNOSTI

U skladu s člankom 99. stavak 1. Zakona o telekomunikacijama (NN 122/2003)

RENAULT NISSAN HRVATSKA d.o.o.

ADRESA: **Krapinska 45, 10000 Zagreb**

MATIČNI BROJ SUBJEKTA (MBS): **080006703**

Pod punom odgovornošću izjavljujemo da je RiTT oprema

OPIS OPREME:	**Sustav za imobilizaciju vozila**
TIPSKA OZNAKA OPREME:	**NW 1014**
MARKETINŠKO IME OPREME:	**NW 1014**
PROIZVOĐAČ OPREME:	**CalsonicKansei Corp.**

sukladna s bitnim zahtjevima iz članka 98. stavak 3. Zakona o telekomunikacijama, odnosno primjenjenim normama:

EN 60065:2003;

EN 301 489-1 V1.4.1:2004;
EN 301 489-3 V1.4.1:2002;

EN 300 330-1 V1.3.1:2001;
EN 300 330-2 V1.3.1:2006;

RENAULT NISSAN HRVATSKA d.o.o.
Radnička cesta 47
ZAGREB

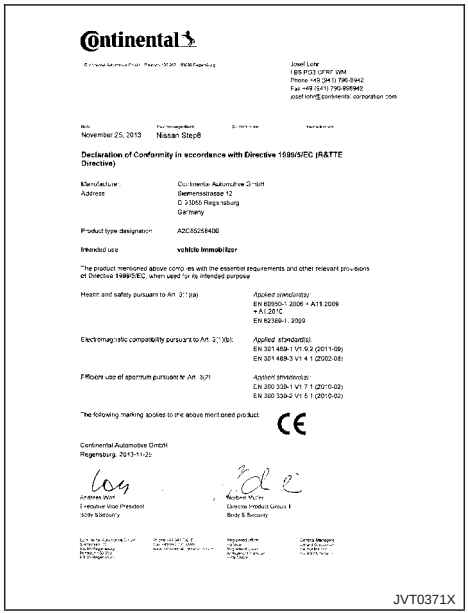
Zagreb, 20.02.2008.
Mjesto i datum

Žig i potpis odgovorne osobe

Obrazac AG02/02

JVT0012X

Continental Automotive GmbH:



Continental

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Date
November 25, 2013

Your message dated

Our reference

Your reference

Nissan Step8

Declaration of Conformity in accordance with Directive 1999/5/EC (R&TTE Directive)

Manufacturer: Continental Automotive GmbH
Address: Siemensstrasse 12
D 93055 Regensburg
Germany

Product type designation: A2C85258400

Intended use: **vehicle immobilizer**

The product mentioned above complies with the essential requirements and other relevant provisions of Directive 1999/5/EC, when used for its intended purpose

Health and safety pursuant to Art. 3(1)(a): *Applied standard(s):*
EN 60950-1: 2006 + A11:2009
+ A1:2010
EN 62368-1: 2009

Electromagnetic compatibility pursuant to Art. 3(1)(b): *Applied standard(s):*
EN 301 489-1 V1.9.2 (2011-09)
EN 301 489-3 V1.4.1 (2002-08)

Efficient use of spectrum pursuant to Art. 3(2): *Applied standard(s):*
EN 300 330-1 V1.7.1 (2010-02)
EN 300 330-2 V1.5.1 (2010-02)

The following marking applies to the above mentioned product: CE

Continental Automotive GmbH
Regensburg, 2013-11-25

Andreas Wolf
Executive Vice President
Body & Security

Norbert Wurm
Director Product Group II
Body & Security

JVT0371X

CE

NOTE

NOTE

10 Index

A

ABS (Anti-lock Braking System) 5-38
– Warning light 2-7
Aids
– Chassis control 2-18
Air bags
– Front passenger air bag switch 1-31
– Repair and replacement 1-33
– Supplemental Restraint System 1-26
– Warning labels 1-28
– Warning light - Passenger 1-29, 2-11
Air cleaner filter 8-15
Air conditioner
– Automatic 4-6
– Heater and air conditioner 4-2
– Manual 4-4
– Refrigerant and lubricant 9-4
– Servicing 4-8
– Specification label 9-8
Air fresheners 7-4
Alarms 2-19
Alerts
– Driver 2-19
Antenna 4-14
Armrests 1-5
Audible reminders 2-13
– Brake pad wear 2-13, 8-12
– Keys 2-14
– Lights 2-14
– Parking brake 2-14
– Stop/Start System 2-14
Audio
– Anti-theft system 4-15
– Bluetooth® operation 4-24
– FM-AM radio with CD player 4-15
– FM-AM radio with CD player and navigation 4-26
– iPod operation 4-22
– Precautions 4-8
– Steering wheel switches 4-26
– System 4-8
– Troubleshooting 4-13
– USB Connection Port 4-21
Automatic transmission
– Fluid (ATF) 8-14
– Lock release 5-15
– Operation 5-12
– Overdrive 2-12, 5-14
– Position indicator 2-4
– Starting 5-13

B

Back door 3-19
Battery 8-17
– Caution label 8-17
– Cold weather 5-40
– Intelligent Key battery discharge 5-10
– Intelligent Key battery warning 2-9
– Jump starting 6-11
– Replacement - Integrated key fob 8-18
– Replacement - Intelligent Key 8-19
– Vehicle battery 8-17

– Warning light 2-8
Battery saver system
– Headlights 2-26
– Intelligent Key 3-12
– Interior lights 2-39
Bluetooth®
– Audio operation 4-24
– Hands-Free Phone System 4-27
– Precautions 4-10
– Steering-wheel switches 4-32
Bonnet 3-18
– Closing 3-18
– Engine compartment 0-13
– Opening 3-18
Brakes 8-11
– Adjustment 8-12
– Anti-lock Braking System (ABS) 5-38
– Audible reminder 2-13, 8-12
– Booster 8-12
– Brake assist 5-38
– Checking 8-11
– Fluid 8-13
– Maintenance 8-11
– Parking brake 2-18, 3-23
– Precautions 5-37
– System 5-37
– Warning light 2-7

C

Capacities and recommendations 9-2
– Coolant 9-2
– Fuel 9-2
– Oil 9-2
– Refrigerant 9-2
Card holder 2-36
Changing
– Engine coolant 8-6
– Engine oil 8-7
– Tyres and wheels 8-33
Checking
– Brake pedal 8-12
– Coolant level 8-6
– Engine oil level 8-7
– Indicator lights 2-7
– Parking brake 8-11
Child restraints 1-14
– Anchorage 1-18, 1-19
– ISOFIX 1-18
– ISOFIX installation 1-19
– Precautions 1-14
– Seat belt installation 1-22
– Universal child restraints (front and rear seats) 1-15
Child safety 1-9
– Rear door lock 3-6
Cleaning
– Alloy wheels 7-3
– Chrome parts 7-3
– Exterior 7-2
– Glass 7-4
– Interior 7-3
– Removing spots 7-2
– Seat belts 7-4
– Underbody 7-3
– Window washer nozzle 8-15
– Wiper blades 8-15
Clock 2-35
Clutch
– Fluid 8-13
– Operation 5-19
Cold weather
– Corrosion protection 5-40, 7-5
– Engine coolant 5-40

– Precautions 5-39
Continuously Variable Transmission (CVT)
– Fluid 8-14
– Lock release 5-18
– Operation 5-15
– Position indicator 2-4
– Sport mode 2-13, 5-18
– Starting 5-16
Coolant
– Capacities 9-2
– Changing engine coolant 8-6
– Checking coolant level 8-6
– Cold weather 5-40
– Engine cooling system 8-5
– Temperature gauge 2-8
Corrosion protection
– Cold weather 5-40, 7-5
– Environmental factors 7-5
Cruise control 2-17, 5-28
– Indicator light 2-11
– Operation 5-28
– Precautions 5-28
Cup holders 2-37

D

Defogger
– Switch 2-31
Dimensions 9-6
– Engine 9-5
– Tyres 9-5
Display
– Vehicle information display 2-15
Doors
– Auto door lock releasing mechanism 3-6
– Child safety rear door lock 3-6
– Locking with inside lock knob 3-4
– Locking with power door lock switch 3-5
– Locks 3-3
– Vehicle speed sensing door lock mechanism 3-5
Drive belts 8-10
Driving
– Automatic Transmission (AT) 5-12
– Care 5-6
– Cold weather 5-39
– Continuously Variable Transmission (CVT) 5-15
– Manual Transmission (MT) 5-19
– Precautions 5-2
– Wet conditions 5-6
– Winter conditions 5-6

E

Electric power steering 5-36
Electronic Stability Programme (ESP) 5-24
– Indicator light 2-11, 2-13
– OFF switch 5-25
Emergency tyre puncture repair kit 6-7, 8-34
Engine
– Before starting the engine 5-2
– Changing engine coolant 8-6
– Changing engine oil 8-7
– Checking coolant level 8-6
– Checking engine oil level 8-7
– Cold start period 5-6
– Compartment 0-13
– Coolant temperature gauge 2-8
– Cooling system 8-5
– Data 9-5
– Engine start operation indicator 2-16, 2-17, 2-5
– Malfunction Indicator Light (MI or MIL) 2-12
– Oil 8-7
– Overheat 6-13

– Running-in schedule 5-2
– Serial number 9-7
– Spark plugs 8-11
– Starting 5-11
– Starting (Without Intelligent Key) 5-11
– Starting engine 5-12
Exhaust gas (Carbon Monoxide) 5-3
Exterior
– Lights — Bulb information 8-23
– Overview 0-3, 0-4
– Rearview mirrors 3-21

F

Filter
– Air cleaner 8-15
Flat tyre
– Changing 6-4
– Emergency tyre puncture repair kit 6-7
– Preparing tools 6-3
Floor mats 7-4
Fluid
– Continuously Variable Transmission (CVT) fluid 8-14
Fluids
– Air conditioner 9-2
– Automatic transmission fluid (ATF) 8-14
– Brake 8-13
– Clutch 8-13
– Recommendations and capacities 9-2
– Window washer 8-16
Fog lights
– Bulb information 8-23
– Front — Operation 2-11
– Locations 8-24
– Rear — Operation 2-12
– Replacement 8-25
Folding
– Seats 1-4
Fuel
– Capacities 9-2
– Filler lid 3-19
– Gauge 2-18, 2-3, 2-9
– Information 2-21, 9-4
Fuses 8-21
– Engine compartment 8-21
– Extended storage fuse 8-22
– Passenger compartment 8-21

G

Gauges
– Engine coolant temperature 2-8
– Fuel 2-3
– Meters and gauges 2-2
– Odometer 2-2
– Speedometer 2-2
– Tachometer 2-3
Glass
– Cleaning 7-3, 7-4
Glove box 2-36

H

Hazard indicator flasher switch 6-2
Head restraints 1-5
Headlights 2-12
– Switch 2-25
Heated seats 1-3
Heater and air conditioner 4-2
– Automatic air conditioner 4-6
– Manual air conditioner 4-4

– Servicing 4-8
– Vents 4-2
Horn 2-32

I

Ignition
– Ignition key positions (Models without Intelligent Key system) 5-8
– Ignition switch positions (model with Intelligent Key system) 5-10
– Push-button ignition switch 5-8
Indicator lights 2-13, 2-19
– Overview 2-6
Indicators for operation 2-16
Injured persons 1-9
Inside rear-view mirror 3-20
Instrument panel
– Overview 0-6
Intelligent Key 2-16, 3-2
– Audible reminder 2-14
– Battery 2-9
– Battery discharge 5-10
– Battery replacement 8-19
– Operating range 3-10
– Operation 2-16, 2-9
– Starting 5-12
– Steering lock 5-9
– Unlocking 3-11
– Warning lights 3-12
Intelligent Key system 3-8
Interior
– Cleaning 7-3
– Lights — information 8-23
– Lights — operation 2-38
– Overview 0-5
iPod
– Operation 4-22
ISOFIX
– Child restraints 1-18
– Installation 1-19

J

Jump-starting 6-11

K

Keys 3-2
– Audible reminder 2-14
– Intelligent Key 3-2
– Intelligent Key battery discharge 5-10
– Intelligent Key battery replacement 8-19
– Intelligent Key system 3-8
– Intelligent Key system - Warning and audible reminders . 3-12
– Intelligent Key system — Troubleshooting guide 3-14
– Key battery discharge indicator 2-17
– Key fob battery replacement 8-18
– Locking with key 3-4
– Mechanical key 2-17, 3-3
– NISSAN Anti-Theft System (NATS) 3-2
– Positions (Ignition switch) 5-7
– Remote keyless entry 3-6
– Remote keyless entry - Operation 3-16, 3-7

L

Labels
– Air conditioner 9-8
– Battery cautions 8-17
– Chassis number 9-6

– Tyres 9-7
Lights 8-22
– Audible reminder 2-14
– Bulb information 8-23
– Fog light switch 2-28
– Headlight switch 2-25
– Interior — operation 2-38
– Interior lights — information 8-23
– Locations 8-24
– Replacement 8-25
– Shift lever indicator 2-4, 5-20
– Switch — Headlights and turn signal 2-13
– Temperature 2-8
– Turn signal switch 2-27
– Warning/Indicator lights 2-6
Locks
– Auto door lock releasing mechanism 3-6
– Child safety rear door lock 3-6
– Door 3-3
– Door locks 2-18
– Locking with inside lock knob 3-4
– Locking with key 3-4
– Locking with power door lock switch 3-5
– Selective Door Unlock 3-11
– Shift lock release 5-15, 5-18
– Steering lock 5-7
– Super lock system 3-3
– Vehicle speed sensing door lock mechanism 3-5

M

Maintenance
– General maintenance 8-2
– Indicator 2-20
– Precautions 8-4
– Requirements 8-2
– Scheduled maintenance 8-2
– Seat belts 1-13
– Settings 2-20
– Where to go for service 8-2
Malfunction Indicator Light (MI or MIL) 2-12
Manual Transmission (MT)
– Indicator 5-20
– Operation 5-19
Mechanical key 3-3
Meters and gauges 2-2
– Engine coolant temperature 2-8
– Fuel 2-18, 2-3, 2-9
– Odometer 2-2
– Overview 0-10
– Speedometer 2-2
– Tachometer 2-3
– Trip computer 2-2
Mirrors
– Inside rear view mirror 3-20
– Outside rearview mirrors 3-21
– Vanity mirror 3-23

N

Navigation system
– FM-AM radio with CD player and navigation 4-26
NISSAN Anti-Theft System (NATS) 3-17, 3-2

O

Odometer 2-2, 2-22
Oil
– Capacities and recommendations 9-2
– Changing engine oil 8-7
– Checking engine oil level 8-7
– Disposal 8-10

– Engine oil 8-7
– SAE viscosity number 9-4
– Warning light 2-8
Operation displays 2-16
Outside rearview mirrors 3-21
Overheat
– Engine 6-13
Overview
– Engine compartment 0-13
– Exterior 0-3, 0-4
– Instrument panel 0-6
– Interior 0-5
– Meters and gauges 0-10
– Seats, Seat belts, Supplemental restraint system 0-2

P

Parking
– Parking sensor system 5-32
– Precautions 5-30
– Space measurement 5-33
Parking brake 3-23
– Audible reminder 2-14
– Cold weather 5-40
Petrol
– Engine oil 3-19
– Fuel recommendation 9-4
– Gauge 2-3
Phone
– Bluetooth® Hands-Free 4-27
Power
– Electric power steering 5-36
– Locking with power door lock switch 3-5
– Outlet 2-35
– Power windows 2-32
Precautions
– Brakes 5-37
– Child restraints 1-14
– Exhaust gas 5-3
– Maintenance 8-4
– Safety precautions 4-2
– Seat belt usage 1-8
– Supplemental Restraint System 1-26
– Towing 6-13
– Trailer towing 5-36
Pregnant women 1-9
Protection
– Corrosion 5-40, 7-5
– Environment 8-10
Push starting 6-12

R

Radio
– Anti-theft system 4-15
– Approval number and information 9-8
– Bluetooth® audio operation 4-24
– FM AM radio with CD player 4-15
– FM-AM radio with CD player and navigation 4-26
– iPod operation 4-22
– Operation precautions 4-8
– Steering wheel switches 4-26
– Transmitter 9-8
– Troubleshooting 4-13, 9-8
– USB Connection Port 4-21
Rear seats 1-4
Rear window
– Wiper and washer 2-31
Reminders 2-19
Remote keyless entry 3-6

Replacement
– Air bags 1-33
– Air cleaner filter 8-15
– Engine coolant 8-6
– Engine oil 8-7
– Integrated key fob battery 8-18
– Intelligent Key battery 8-19
– Light 8-25
– Spark plugs 8-11
– Tyres and wheels 8-33
– Wiper blades 8-16
Running-in schedule 5-2

S

Safety
– Child safety rear door lock 3-6
– Children 1-9
– Head restraints 1-5
– Injured persons 1-9
– Precautions 4-2
– Pregnant women 1-9
Seat belts 1-8
– CENTER mark 1-10
– Child restraint installation 1-22
– Cleaning 7-4
– Maintenance 1-13
– Overview 0-2
– Precautions on usage 1-8
– Three-point type 1-10
– Two-point type 1-13
– Warning light 2-10
– Warnings 2-18
Seats 1-2
– Adjustment - Manual 1-2
– Folding 1-4
– Head restraints 1-5
– Heating 1-3
– ISOFIX child restraints 1-18
– Overview 0-2
– Rear seats 1-4
– Seat belts 1-8
– Universal child restraints (front and rear seats) 1-15
Security system 2-12, 3-17
– Vehicle security 5-39
Servicing
– Air conditioner 4-8
Snow chains 8-32
Spark plugs
– Information 8-11
– Replacement 8-11
Speed limiter 2-13, 2-17, 5-25
– Operation 5-25
Speedometer 2-2
Starting
– Before starting 5-2
– Jump starting 6-11
– Precautions 5-2
– Push starting 6-12
Steering wheel
– Adjustment 3-20
– Electric power steering 5-36
– Lock 2-16, 5-7
– Switches — Audio control 4-26
– Switches — Hands-free telephone control 4-27, 4-32
– Warning light 2-8
Stop/Start System 2-13, 2-20, 2-24, 5-20
– Audible reminder 2-14
– Display 2-13, 5-22
– OFF switch 5-23
– Operation 5-20
Storage 2-36
– Card holder 2-36
– Cup holders 2-37

– Glove box 2-36
– Tonneau cover 2-37
– Upper instrument box 2-36
Sun visors 2-38
Sunshade 2-34
Super lock system 3-3
Supplemental Restraint System 1-26
– Overview 0-2
– Warning light 2-11
Switches
– Child safety rear door lock 3-6
– Defogger 2-31
– Fog light 2-28
– Hazard indicator flasher switch 6-2
– Ignition switch positions 2-17, 5-7
– Interior lights 2-38
– Locking with power door lock switch 3-5
– Main lighting 2-25
– Rain-sensing auto wiper 2-30
– Rear window wiper and washer 2-31
– Seat heating 1-3
– Steering-wheel — Telephone 4-32
– Turn signal switch 2-27
– Windscreen wiper and washer 2-29

T

Tachometer 2-3
Temperature 2-18, 2-22
Three-way catalyst 5-3
– Care 5-3
– Information 5-3
Tilting steering wheel 3-20
Tonneau board 2-37
Towing 6-15
– Precautions 6-13
– Recommendations 6-14
– Tow truck towing 6-13
– Trailer 5-36
– Your vehicle 6-13
Trailer
– Towing 5-36
Transferring registration to another country 9-6
Transmission
– Automatic Transmission (AT) operation 5-12
– Automatic Transmission (AT) position indicator 2-4
– Automatic transmission fluid (ATF) 8-14
– Continuously Variable Transmission (CVT) fluid 8-14
– Continuously Variable Transmission (CVT) operation 5-15
– Continuously Variable Transmission (CVT) position indicator 2-4
– Manual Transmission (MT) operation 5-19
– Position indicator 2-10, 2-16
Transmitter
– Radio 9-8
Travelling 9-6
Trip computer 2-2, 2-21
Troubleshooting
– Audio system 4-13
Troubleshooting guide
– Intelligent Key system 3-14
Turn signal
– Bulb information 8-23
– Operation 2-13
– Replacement 8-25
Tyres
– Age 8-33
– Changing tyres and wheels 8-33
– Cold weather 5-40
– Emergency tyre puncture repair kit 8-34
– Equipment 5-40
– Flat tyre 6-2
– Inflation pressure 8-31

– Placard 9-7
– Repairing flat tyre 6-7
– Rotation 8-32
– Sizes 9-5
– Snow chains 8-32
– Spare tyre 8-33
– Types 8-31
– Tyre Pressure Monitoring System (TPMS) 2-9, 5-4, 6-2
– Wear and damage 8-32
– Wheel balance 8-33
– Wheels and tyres 8-31, 9-5

U

Universal child restraints
– Front and rear seats 1-15
Upper instrument box 2-36
USB (Universal Serial Bus)
– Care 4-27
– Connection Port 4-21
– Precautions 4-9
– Troubleshooting 4-13

V

Vanity mirror 3-23
Variable voltage control 8-20
Vehicle
– Security 5-39
Vehicle identification 9-6
– Engine serial number 9-7
– Number (VIN) (chassis number) 9-6
– Number (VIN) plate 9-7
– Plate 9-6
Vehicle information display 2-15
– Settings 2-23
– Warnings and indicators 2-10
Vehicle speed sensing door lock mechanism 3-5
Vents 4-2
Viscosity number (SAE) 9-4

W

Warning labels
– Air bag 1-28
Warning lights
– Air bag - Passenger 1-29
Warning/indicator lights and audible reminders 2-6
– Intelligent Key system 3-12
Washing 7-2
Waxing 7-2
Wheels
– Balancing 8-33
– Changing tyres and wheels 8-33
– Cleaning 7-3
– Installation 6-6
– Sizes 9-5
– Wheels and tyres 8-31, 9-5
Window washer
– Fluid 8-16
Windows
– Automatic function 2-33
– Manual windows 2-32
– Power windows 2-32
– Timer 2-33
Windscreen
– Wiper and washer switch 2-29
Winter
– Precautions 5-39
– Special equipment 5-40

Wiper blades 8-15
– Cleaning 8-15
– Replacement 8-16
Wipers
– Operation (Rear window) 2-31
– Rain-sensing auto wiper 2-30
– Windscreen wiper and washer switch 2-29

PETROL STATION INFORMATION

FUEL INFORMATION

CAUTION

Do not use leaded petrol. Using leaded petrol will damage the three-way catalyst.

(HR12DE engine model): 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) or above may be temporarily used, but only under the following precautions:

- Have the fuel tank filled only partially with unleaded regular petrol, and fill up with unleaded premium petrol as soon as possible.
- Avoid full throttle driving and abrupt acceleration.

Use unleaded premium petrol for maximum vehicle performance.

(HR12DDR engine model): 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 ENGINE OIL*

For further details, see “Capacities and recommended fluids/lubricants” in the “9. Technical information” section.

COLD TYRE PRESSURE

See the tyre placard affixed to the driver’s side centre pillar.

ENVIRONMENT (End of Life Vehicles)

ENVIRONMENTAL CONCERN

NISSAN BLUE CITIZENSHIP

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, 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% recoverable. 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 10 wind turbines to cut carbon dioxide emissions at power plants by more than 3,000 tonnes per year. 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. NISSAN's goal is to achieve 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-europe.com.

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:

Fuel efficient 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 (automatic transmission or 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.

AIRBAG LABEL (where fitted)



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

NE JAMAIS utiliser un dispositif de retenue pour enfant de type dos à la route sur un siège protégé par un AIRBAG ACTIVÉ placé devant lui. Cela peut entrainer la MORT de l'ENFANT ou des BLESSURES GRAVES.

Installieren Sie niemals ein entgegen der Fahrtrichtung angeordnetes Kinderrückhaltesystem auf einem Sitz mit aktiviertem Frontairbag. Es könnte zum Tod oder schweren Verletzungen des Kindes führen.

No instalar nunca los sistemas de retención para niños (sillitas de niño) de espaldas al sentido de la marcha en el asiento del pasajero protegido por un AIRBAG frontal ACTIVO. Esto puede provocar la MUERTE del niño o DAÑARLE SERIAMENTE.

«NON INSTALLARE MAI un seggiolino per bambini rivolto con verso opposto al senso di marcia su un sedile protetto da un AIRBAG frontale ATTIVO. In caso di incidente questo potrebbe risultare molto pericoloso per l'incolumità del bambino.»

Plaats nooit een kinderzitje achterstevoren op de passagiersstoel voorin als de airbags van de voorpassagier niet zijn uitgeschakeld. Dit kan ernstige of zelfs dodelijke verwondingen van het kind veroorzaken.

NUNCA utilize um sistema de retenção de criança virado para a traseira num banco protegido por um AIRBAG ACTIVO à sua frente, porque pode ocorrer MORTE ou FERIMENTOS GRAVES na CRIANÇA.

W żadnym przypadku NIE NALEŻY stosować fotelików dla dzieci skierowanych twarzą do tyłu przed siedzeniami chronionymi AKTYWNĄ PODUSZKĄ POWIETRZNĄ. Może to doprowadzić do POWAŻNYCH OBRAŻEŃ lub nawet ŚMIERCI DZIECKA.

NIKDY nepoužívejte dětskou sedačku směřující dozadu na sedadle s AKTIVNÍM čelním AIRBAGEM, mohlo by dojít k USMRCENÍ nebo VÁŽNÉMU ZRANĚNÍ DÍTĚTE.

Önünde AKTİF BİR HAVA YASTIĞI ile korununan bir koltuğa hiç bir zaman yüzü geriye bakan bir çocuk koltuğu KOYMAYIN, bu ÇOCUĞUN ÖLÜMÜNE veya CİDDİ ŞEKİLDE YARALANMASINA neden olabilir.

Nu folosiţi NICIODATĂ un scaun pentru copil cu spatele la direcţia de deplasare pe un scaun protejat de un AIRBAG ACTIV amplasat în faţa sa, deoarece există riscul de DECES sau RĂNIRE GRAVĂ a copilului.

SOHA ne használjon hátrafelé néző gyermekülést olyan ülésen, amelyet elölről AKTÍV LÉGZSÁK véd, mert az a GYERMEK HALÁLÁT vagy SÚLYOS SÉRÜLÉSÉT okozhatja.

"ΑΠΑΓΟΡΕΥΕΤΑΙ η τοποθέτηση παιδικού καθίσματος, με την πλάτη προς το εμπρόσθιο μέρος του αυτοκινήτου, στο κάθισμα του συνοδηγού, επειδή μπροστά του υπάρχει ΕΝΕΡΓΟΣ ΜΕΤΩΠΙΚΟΣ ΑΕΡΟΣΑΚΟΣ. Μπορεί να επέλθει, ΘΑΝΑΤΟΣ ή ΣΟΒΑΡΟΣ ΤΡΑΥΜΑΤΙΣΜΟΣ του ΠΑΙΔΙΟΥ".

Använd ALDRIG en bakåtvänd barnstol på ett säte som skyddas av en AKTIVERAD AIRBAG framför det; LIVSFARA eller risk för ALLVARLIGA SKADOR.

ÄLÄ KOSKAAN käytä kasvot taaksepäin suunnattua lastenistuinta istuimella, jossa on KÄYTÖSSÄ OLEVA TURVATYYNY. Seurauksena voi olla KUOLEMA tai LAPSEN VAKAVA LOUKKAANTUMINEN.

Brug ALDRIG et bagudvendt barnesæde på et sæde, der er beskyttet af en AKTIV AIRBAG foran det. Det kan resultere i DØD eller ALVORLIG PERSONSKADE på BARNET.



NEMOJTE upotrebljavati sjedalicu za djecu okrenutu prema natrag na sjedalu ispred kojega se nalazi zaštićeni AKTIVNI ZRAČNI JASTUK, može doći do SMRTONOSNIH ili OZBILJNIH OZLJEDA za DIJETE.

NIKOLI ne namestite otroškega sedeža, obrnjenega v nasprotni smeri smeri vožnje, v primeru VKLOPLJENE varnostne blazine. To lahko povzroči OTROKOVO SMRT ali HUDE TELESNE POŠKODBE.

Никогда не устанавливайте обращенное назад детское удерживающее сиденье на переднем пассажирском сиденье при неотключенной подушке безопасности. Это может привести к смерти ребенка или к тяжелым повреждениям.

NIKDY nepoužívajte detskú sedačku smerujúcu dozadu na sedadle s AKTÍVNYM čelným AIRBAGOM, mohlo by prísť k USMRTENIU alebo VÁŽNEMU ZRANENIU DIEŤAŤA.

ÄRGE kasutage seljaga sõidusuunas laste turvatooli istmel, mille ees on AKTIIVNE TURVAPADI. LAPS võib saada TÕSISE KEHAVIGASTUSE või HUKKUDA.

NEIEVIETOJIET ar skatu pretēji braukšanas virzienam vērstu bērnu sēdeklīti šajā sēdeklī, ja tā priekšā uzstādītais GAISA SPILVENS ir AKTIVIZĒTS, – tas BĒRNAM var radīt NOPIETNAS TRAUMAS vai pat izraisīt BĒRNA NĀVI.

NUNCA utilize uma cadeirinha protetora para crianças voltada para a traseira em um assento que seja protegido por um AIRBAG ATIVO na frente do assento. Podem ocorrer MORTE ou FERIMENTOS GRAVES para a CRIANÇA.

NIEKADA nevežkite vaikų prie automobilio sėdynės atvirkščiai judėjimo krypčiai pritvirtintoje specialioje kėdutėje, jeigu ši sėdynė apsaugota VEIKIANČIA SAUGOS PAGALVE, nes VAIKUI kyla MIRTINAS ar SUNKAUS SUŽEIDIMO pavojus.

Ніколи не встановлюйте дитяче крісло спинкою вперед на сидінні, передня ПОДУШКА БЕЗПЕКИ якого не заблокована. Ризик ЗАГИБЕЛІ або ТЯЖКИХ ТРАВМ дитини.

„Никога на използвайте детско столче за автомобил, монтирано с гръб към движението, на седалка оборудвана с предпазна въздушна възглавница пред нея. Съществува риск за живота или сериозно нараняване на детето!"

يحذر نهائيًا تثبيت مقعد الطفل بشكل عكسي على المقعد المحمي بوسادة هوائية نشطة أمام مقعد الطفل، فمن الممكن أن يتسبب ذلك في وفاة الطفل أو إصابته بجروح خطيرة

ALDREI má nota festingar sem snúa afturábak á sæti sem varið er með ACTIVE AIRBAG að framan. Það getur valdið DAUÐA eða ALVARLEGUM MEIÐSLUM á BARNINU.

Na sedež, ki je spredaj zaščiten z ZRAČNO BLAZINO,NIKOLI ne namestite otroškega sedeža tako, da otrok gleda nazaj: nevarnost SMRTI ali RESNE TELESNE POŠKODBE OTROKA

هرگز از کمربند کودک رو به پشت در روبروی صندلی حفاظت شده توسط ACTIVE AIRBAG (کیسه هوای فعال) استفاده نکنید. این کار ممکن است باعث مرگ یا جراحت شدید در کودک شود.

절대로 능동형 에어백이 전면에 설치된 좌석에 후향식 어린이 보호시트를 사용하지 마십시오. 어린이에게 심각한 상해를 입히거나 사망에 이르게 할 수 있습니다.

前部に作動可能なエアバッグが装着されているシートに、後ろ向きのチャイルドシートを絶対に使用しないでください。お子様に死や大けがを招く恐れがあります。

禁止在座椅前部安全气囊激活的情况下，在该座椅上使用后向儿童安全座椅，可能造成儿童严重受伤甚至死亡。

QUICK REFERENCE

- In case of emergency ... 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) | | | | |

Key number | | | | | |

Wheel lock key code (where fitted) | | | | | | | | |

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.

