



X-TRAIL

OWNER'S MANUAL

Foreword

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 give your full attention to driving and avoid using vehicle features or taking other actions that could distract you.**
- **ALWAYS use your seat belts and appropriate child restraint systems. Pre-teen 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.

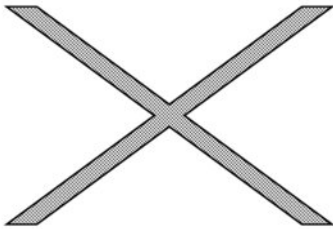
NOTE

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.

< >:

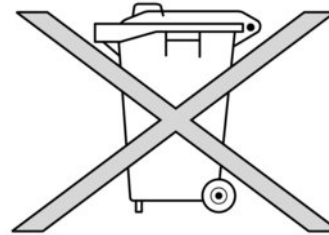
Chevrons or angle brackets are used to indicate texts on controls like buttons or switches inside or on the vehicle.

Air bag warning labels (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.”

Be sure to read the “Airbag warning labels” description in the Safety section of this manual; and the “Airbag label” description at the end of this manual.



BATTERY DISPOSAL

CAUTION

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

Examples of the batteries that the vehicle contains:

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

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



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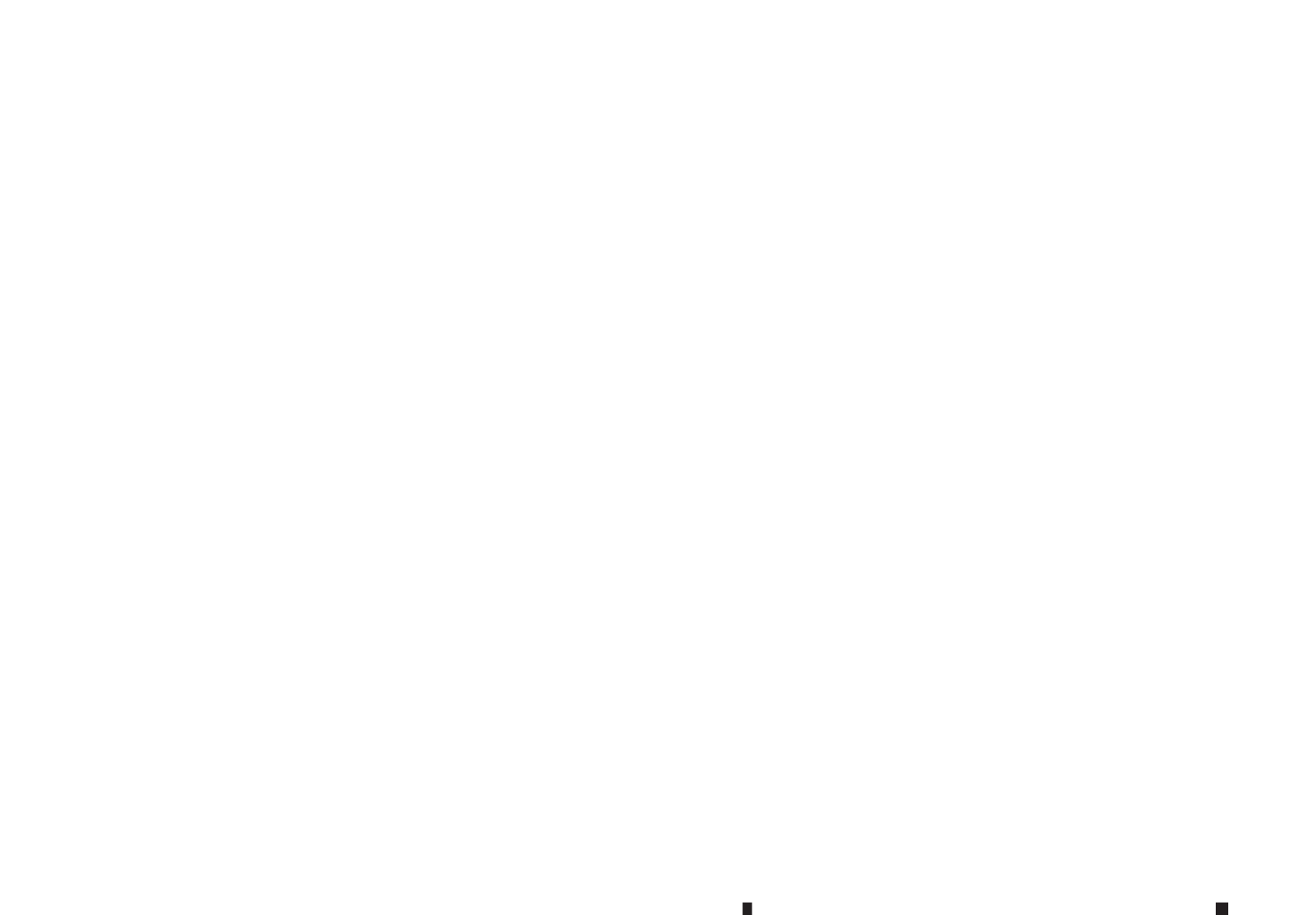


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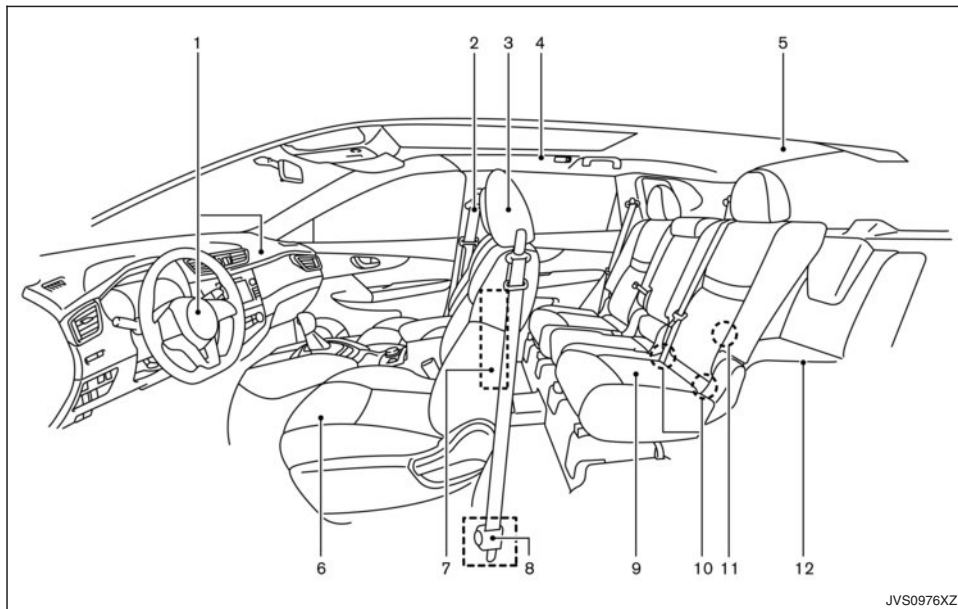
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SEATS, SEAT BELTS AND SUPPLEMENTAL RESTRAINT SYSTEM (SRS)



11. Child restraint anchor point (for top tether strap child restraint) (P. 1-36)

12. Third row seats* (P. 1-22)

*: where fitted

1. Supplemental front-impact air bags (P. 1-43)

2. Seat belts (P. 1-25)

3. Head restraints (P. 1-22)

4. Supplemental curtain side-impact air bags (P. 1-43)

5. Child restraint anchor point (for top tether strap child restraint)* (P. 1-29)

6. Front seats (P. 1-17)

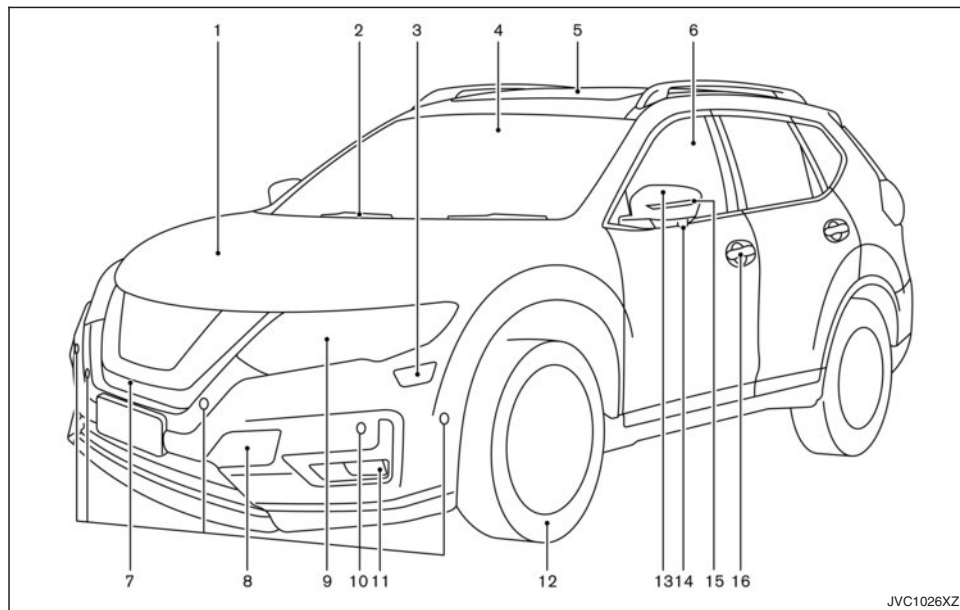
7. Supplemental side-impact air bags (P. 1-43)

8. Pre-tensioner seat belt system (P. 1-52)

9. Second row seats (P. 1-20)
— Child restraints (P. 1-29)

10. ISOFIX child restraint system (for second row seats) (P. 1-35)

EXTERIOR FRONT

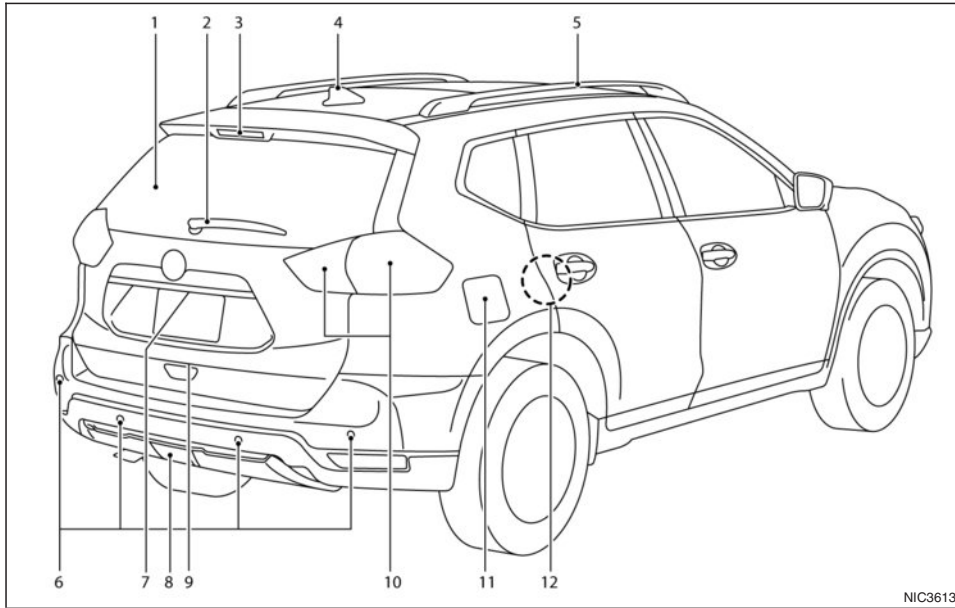


1. Engine bonnet (P. 3-134)
2. Windscreen wiper and washer
 - Switch operation (P. 2-95)
 - Window washer fluid (P. 8-294)
3. Headlight cleaner* (P. 2-93)
4. Front camera* (P. 2-87, P. 5-221)
5. Sunroof* (P. 2-102)
6. Power windows (P. 2-100)
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8. Recovery hook (P. 6-274)
9. Headlights and turn signal lights (P. 2-89)
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10. Parking sensor (sonar) system* (P. 5-253)
 - Intelligent Park Assist* (P. 4-155)
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11. Fog lights* (P. 2-94)
12. Tyres
 - Tyre Pressure Monitoring System (TPMS)* (P. 2-60, P. 5-201)
 - Tyres and wheels (P. 8-311, P. 9-319)
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13. Outside mirrors (P. 3-142)
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15. Side turn signal light (P. 2-94)
16. Doors
 - Keys (P. 3-116)
 - Door locks (P. 3-118)
 - Intelligent Key system* (P. 3-122)
 - Remote keyless entry system* (P. 3-120)
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*: where fitted

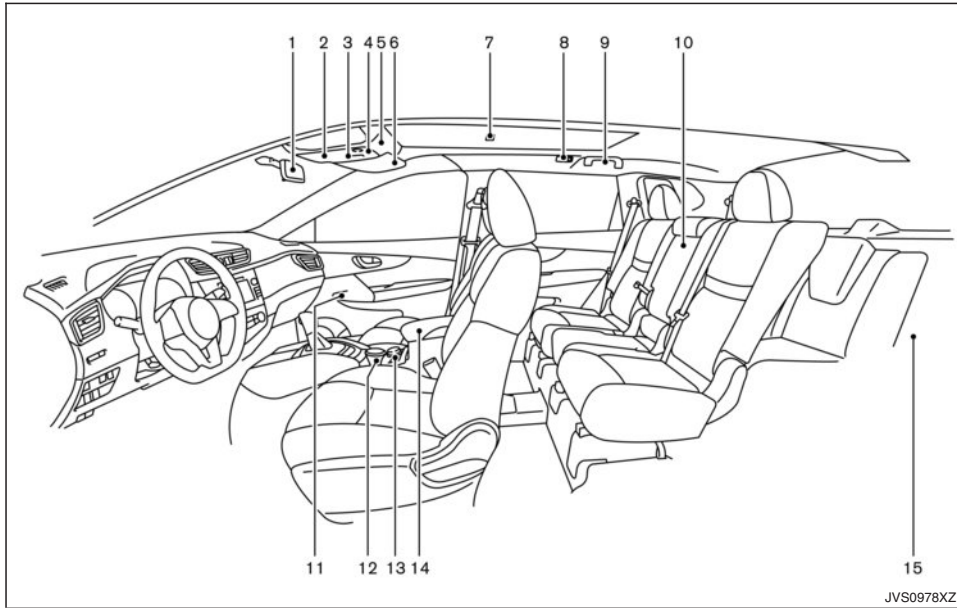
EXTERIOR REAR



- 10. Rear combination light (P. 8-302)
 - 11. Fuel-filler lid (P. 3-140)
 - 12. Child safety rear door locks (P. 3-120)
- *: where fitted

- 1. Rear window defogger (P. 2-99)
- 2. Rear window wiper and washer
 - Switch operation (P. 2-98)
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- 3. High-mounted brake light (P. 8-304)
- 4. Antenna (P. 4-187)
- 5. Roof rail* (P. 2-111)
- 6. Parking sensor (sonar) system* (P. 5-253)
 - Intelligent Park Assist (PA)* (P. 4-155)
 - Intelligent Around View Monitor* (P. 4-148)
- 7. Rear view camera* (P. 4-148)
- 8. Rear fog light (P. 2-95)
- 9. Back door (P. 3-135)
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 - Remote keyless entry system* (P. 3-120)

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1. Inside rearview mirror (P. 3-141)
2. Sunglasses holder (P. 2-106)
3. Sunroof switch* (P. 2-102)
4. Front map lights (P. 2-113)
– Microphone (P. 4-187 or NissanConnect***)
5. Cancel switch for ultrasonic and tilt sensors* (P. 3-133)

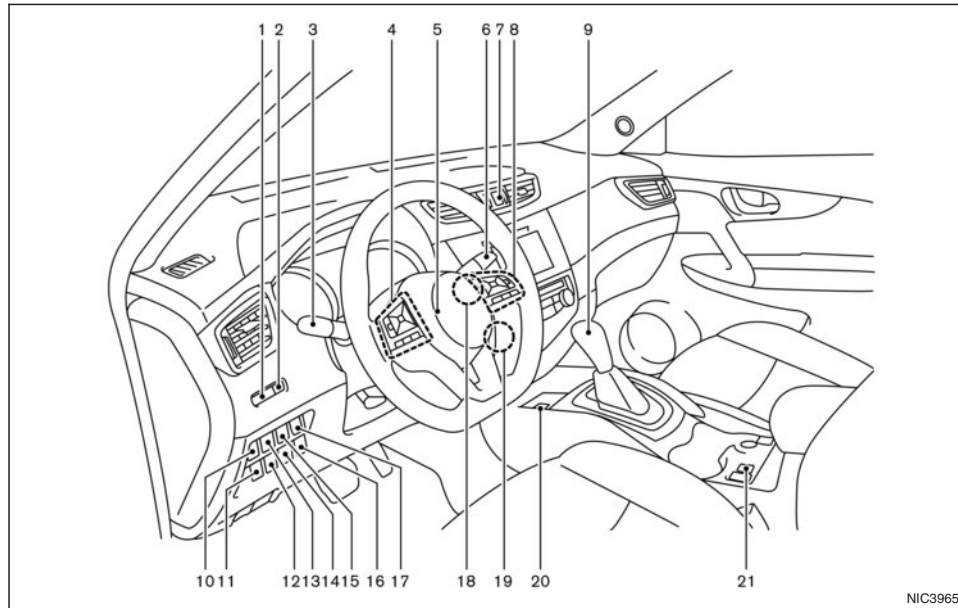
6. Sun visors (P. 2-112, P. 3-143)
7. Room light* (P. 2-113)
8. Rear personal lights* (P. 2-114)
9. Coat hook (Driver's side) (P. 2-110)
10. Rear armrest (Second row seats) (P. 1-22)
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– Power window switch (P. 2-100)
– Power door lock switch* (P. 2-119)
– Outside rearview mirror remote control switch (Driver's side) (P. 3-142)
12. Front cup holders (P. 2-106)
13. Heated seat switch* (P. 1-21)
14. Console box (P. 2-105)
15. Luggage room
– Storage (P. 2-108)
– Luggage hooks (P. 2-108)
– Tonneau cover* (P. 2-111)
– Power outlet (P. 2-103)
– Spare tyre (P. 6-264)
– Luggage room light* (P. 2-114)

*: where fitted

***: See the separate NissanConnect Owner's Manual (where fitted)

COCKPIT



LEFT-HAND DRIVE (LHD) MODEL

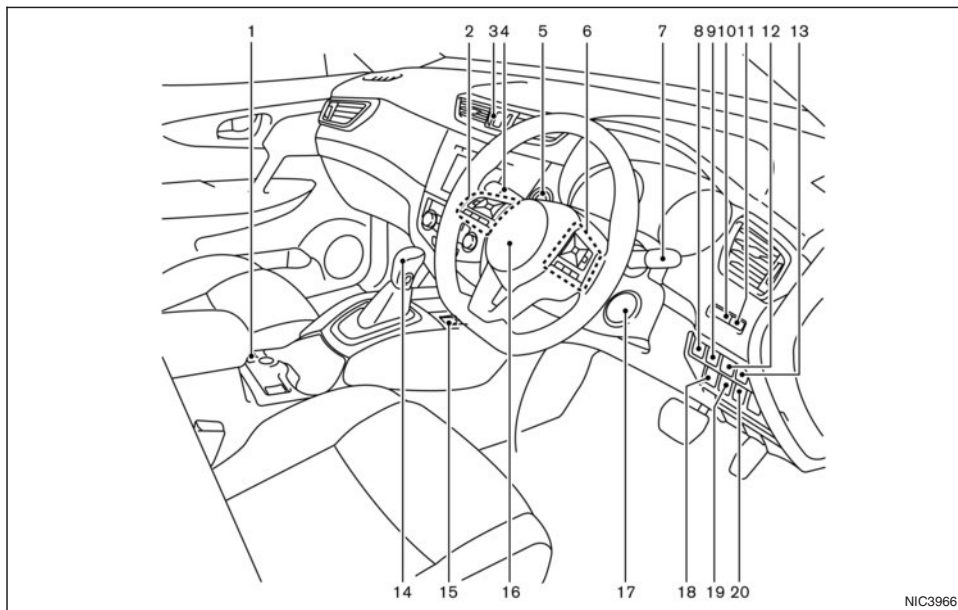
1. Instrument brightness control (P. 2-57)
2. TRIP RESET switch (P. 2-55)
3. Headlight and turn signal switch (P. 2-89)/Fog light switch* (P. 2-94)
4. Steering-wheel-mounted controls (left side)
 - Audio control* (P. 4-185, or Navigation system**, or NissanConnect***)

5. Steering wheel (P. 3-141)
 - Vehicle information display control (P. 2-66)
 - Bluetooth® Hands-Free Phone System (without navigation)* (P. 4-187, or NissanConnect***)
 - Bluetooth® Hands-Free Phone System (with navigation)* (see NissanConnect***)

6. Wiper and washer switch (P. 2-95)
 7. Hazard warning flasher switch (P. 6-264)
 8. Steering-wheel-mounted controls (right side)
 - Switches* (P. 5-240)
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 - Bluetooth® Hands-Free Phone System (without navigation)* (P. 4-187, or NissanConnect***)
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 9. Shift lever
 - Dual Clutch Transmission (DCT) (P. 5-209)
 10. Electronic Stability Programme (ESP) OFF switch (P. 5-216)
 11. Heated steering wheel switch* (P. 2-100) or Headlight aiming control switch* (P. 2-91)
 12. Headlight cleaner switch* (P. 2-93)
 13. Lane Departure Warning (LDW) switch*
 14. Stop/Start OFF switch* (P. 5-215)
 15. Power back door switch* (P. 3-136)
 16. ECO switch* (P. 5-250)
 17. Power back door main switch* (P. 3-136)
 18. Push-button ignition switch (model with Intelligent Key system)* (P. 5-205)
 19. Ignition switch (model without Intelligent Key system)* (P. 5-204)
 20. Parking brake (P. 3-143)
 - Automatic brake hold switch* (P. 3-145)
 21. Hill descent control switch* (P. 5-220)
- *: where fitted

**: See the separate Navigation System Owner's Manual (where fitted)

***: See the separate NissanConnect Owner's Manual (where fitted)



RIGHT-HAND DRIVE (RHD) MODEL

1. Hill descent control switch* (P. 5-220)
2. Steering-wheel-mounted controls (left side)
 - Audio control* (P. 4-185, or Navigation system**, or NissanConnect***)
 - Vehicle information display control (P. 2-66)

3. Hazard warning flasher switch (P. 6-264)
4. Headlight and turn signal switch (P. 2-89)/Fog light switch* (P. 2-94)
 - Bluetooth® Hands-Free Phone System (without navigation)* (P. 4-187, or NissanConnect***)
 - Bluetooth® Hands-Free Phone System (with navigation)* (see NissanConnect***)

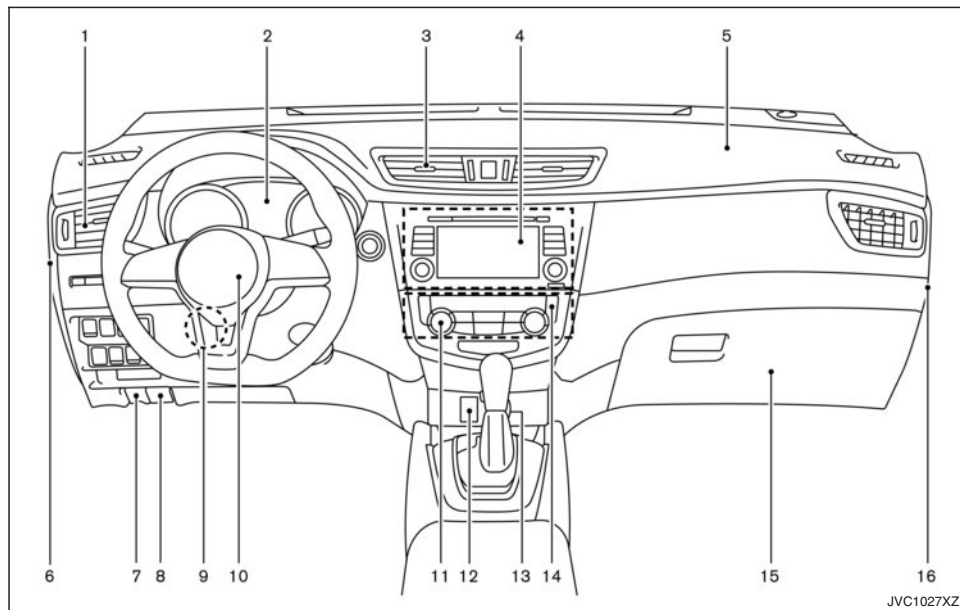
5. Push-button Ignition switch (model with Intelligent Key system)* (P. 5-205)
6. Steering-wheel-mounted controls (right side)
 - Switches* (P. 5-240)
 - Speed limiter switches* (P. 5-238)
 - Bluetooth® Hands-Free Phone System (without navigation)* (P. 4-187 or NissanConnect***)
 - Bluetooth® Hands-Free Phone System (with navigation)* (see NissanConnect***)
7. Wiper and washer switch (P. 2-95)
8. Power back door main switch* (P. 3-136)
9. Power back door switch* (P. 3-136)
10. Instrument brightness control (P. 2-57)
11. TRIP RESET switch (P. 2-55)
12. Lane Departure Warning (LDW) switch*
13. Electronic Stability Programme (ESP) OFF switch (P. 5-216)
14. Shift lever
 - Dual Clutch Transmission (DCT) (P. 5-209)
15. Parking brake* (P. 3-143)
 - Automatic brake hold switch* (P. 3-145)
16. Steering wheel (P. 3-141)
 - Horn (P. 2-100)
17. Ignition switch (model without Intelligent Key system)* (P. 5-204)
18. ECO switch* (P. 5-250)
19. Stop/Start switch* (P. 5-215)
20. Heated steering wheel switch* (P. 2-100) or Headlight aiming control switch* (P. 2-91)

*: where fitted

**: See the separate Navigation System Owner's Manual (where fitted)

***: See the separate NissanConnect Owner's Manual (where fitted)

INSTRUMENT PANEL



8. Bonnet lock release handle (P. 3-134)
9. Steering wheel lock lever (P. 3-141)
10. Driver's front-impact air bag (P. 1-43)/Horn (P. 2-100)
11. Heater/air conditioner control (P. 4-166)
12. Auxiliary (AUX) input jack* (P. 4-185) and USB connection port* (P. 4-185 or NissanConnect***)
13. Power outlet (P. 2-103)
14. Defogger switch (P. 2-99)
15. Glove box (P. 2-105)
16. Fuse box cover* (P. 8-299)

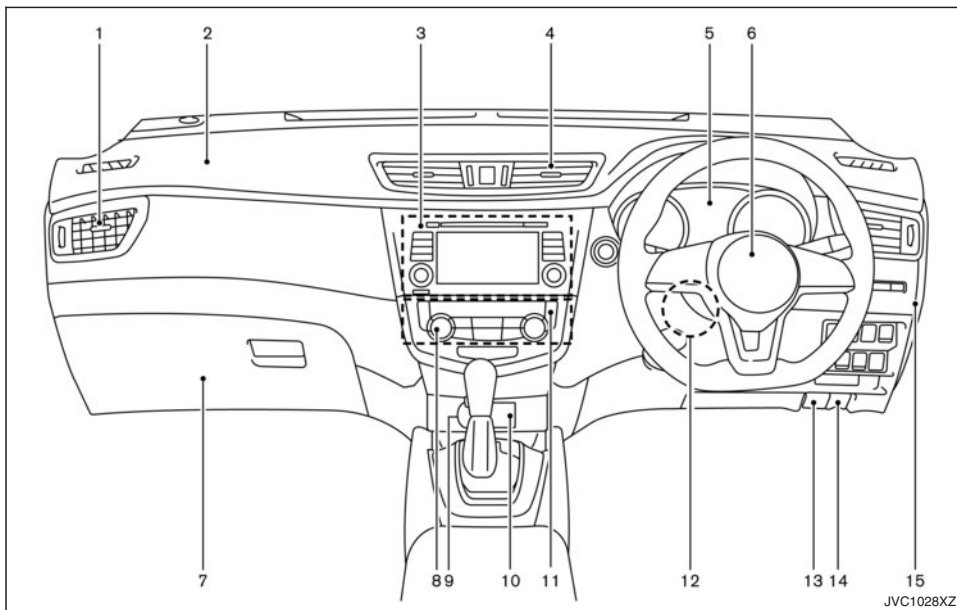
*: where fitted

** : See the separate Navigation System Owner's Manual (where fitted)

***: See the separate NissanConnect Owner's Manual (where fitted)

LEFT-HAND DRIVE (LHD) MODEL

1. Side vent (P. 4-165)
2. Meters and gauges (P. 2-55)/Clock (P. 4-178)
3. Centre vent (P. 4-165)
4. Audio system* (P. 4-171), or Navigation System** or NissanConnect***
 - Intelligent Around View Monitor (IAVM)* (P. 4-148)
5. Passenger's front-impact air bag (P. 1-43)
6. Fuse box cover (P. 8-299)
7. Fuel-filler lid release handle (P. 3-140)
 - Bluetooth® Hands-Free Phone System (without navigation)* (P. 4-187 or NissanConnect***)
 - Bluetooth® Hands-Free Phone System (with navigation)* (see NissanConnect***)

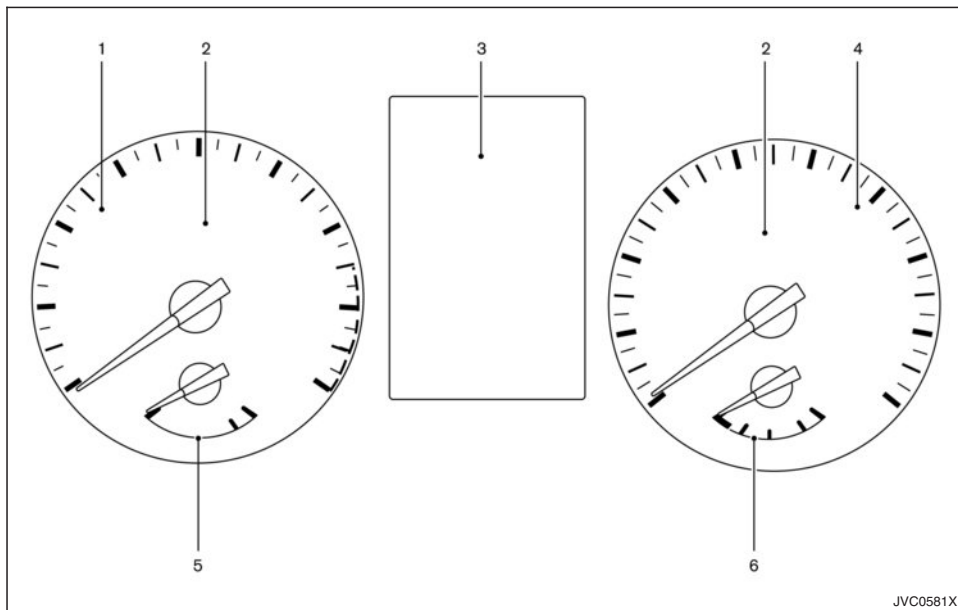


7. Glove box (P. 2-105)
— Fuse box (P. 8-299)
 8. Heater/air conditioner control (P. 4-166)
 9. Power outlet (P. 2-103)
 10. Auxiliary (AUX) input jack* (P. 4-185) and USB connection port* (P. 4-185 or NissanConnect***)
 11. Defogger switch (P. 2-99)
 12. Steering wheel lock lever (P. 3-141)
 13. Bonnet lock release handle (P. 3-134)
 14. Fuel-filler lid release handle (P. 3-140)
 15. Fuse box cover* (P. 8-299)
- *: where fitted
 **: See the separate Navigation System Owner's Manual (where fitted)
 ***: See the separate NissanConnect Owner's Manual (where fitted)

RIGHT-HAND DRIVE (RHD) MODEL

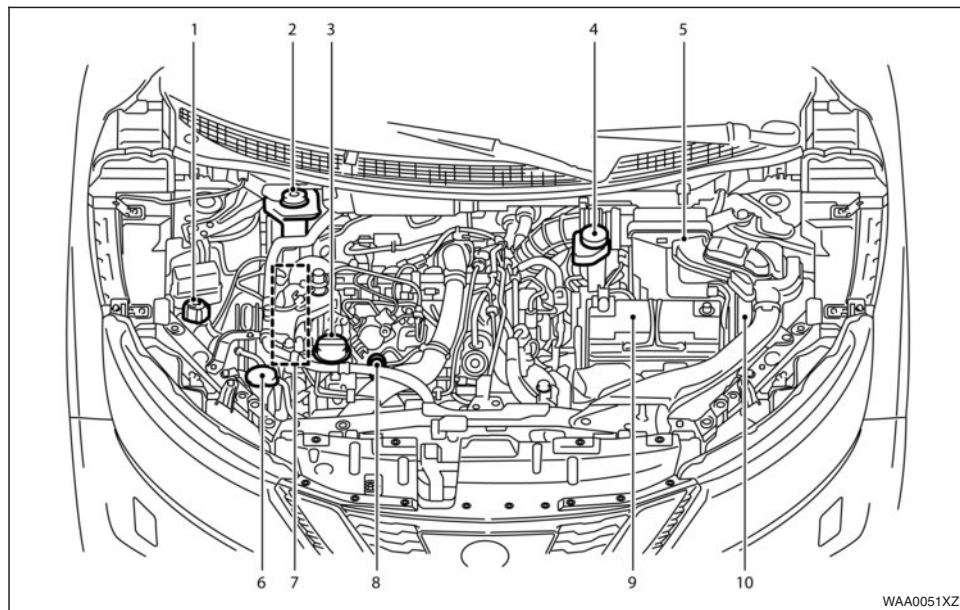
1. Side vent (P. 4-165)
2. Passenger's front-impact air bag (P. 1-43)
3. Audio system* (P. 4-171) or Navigation System** or NissanConnect***
— Intelligent Around View Monitor (IAVM)* (P. 4-148)
— Bluetooth® Hands-Free Phone System (without navigation)* (P. 4-187 or NissanConnect***)
— Bluetooth® Hands-Free Phone System (with navigation)* (see NissanConnect***)
4. Centre vent (P. 4-165)
5. Meters and gauges (P. 2-55)/Clock (P. 4-178)
6. Driver's front-impact air bag (P. 1-43)/Horn (P. 2-100)

METERS AND GAUGES



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2. Warning and indicator lights (P. 2-58)
3. Vehicle information display (P. 2-66)
— Odometer/twin trip odometer (P. 2-55)
4. Speedometer (P. 2-55)
5. Engine coolant temperature gauge (P. 2-56)
6. Fuel gauge (P. 2-56)

ENGINE COMPARTMENT



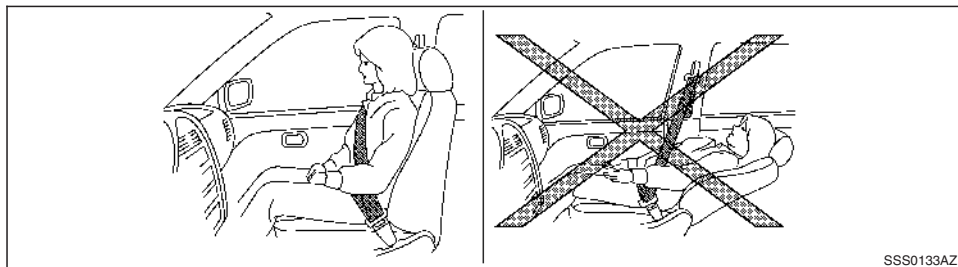
HR13DDT ENGINE MODEL

- | | |
|---|---|
| 1. Engine coolant reservoir (P. 8-285) | 5. Air cleaner (P. 8-292) |
| 2. Brake and clutch fluid reservoir (P. 8-291)
— RHD model | 6. Window washer fluid reservoir (P. 8-294) |
| 3. Engine oil filler cap (P. 8-287) | 7. Engine drive belts (P. 8-289) |
| 4. Brake and clutch fluid reservoir (P. 8-291)
— LHD model | 8. Engine oil dipstick (P. 8-287) |
| | 9. Battery (P. 8-295) |
| | 10. Fuse/fusible link box (P. 8-299) |

NOTE

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WARNING

- Do not ride in a moving vehicle when the seatback is reclined. This can be dangerous. The shoulder belt will not be against your body. In an accident, you could be thrown into it and receive neck or other serious injuries. You could also slide under the lap belt and receive serious internal injuries.
- For the most effective protection when the vehicle is in motion, the seat should be upright. Always sit well back and upright in the seat with both feet on the floor and adjust the seat properly. See "Seat belts" later in this section.
- Do not leave children unattended inside the vehicle. They could unknowingly activate switches or controls, or make the vehicle move. Unattended children could become involved in serious accidents.

- Do not adjust the driver's seat while driving. The seat may move suddenly and could cause loss of control of the vehicle.
- After adjustment, gently rock in the seat to make sure it is securely locked.
- 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.
- The seatback should not be reclined any more than needed for comfort. Seat belts are most effective when the passenger sits well back and upright in the seat. If the seatback is reclined, the risk of sliding under the lap belt and being injured is increased.

- When returning the seatbacks to the upright position, be certain that they are completely secured in the latched position. If they are not completely secured, passengers may be injured in an accident or sudden stop. When operating the seatback release always rock the seatback afterward to check that it is locked.
- When the vehicle is being used to carry cargo, properly secure all cargo to help prevent it from sliding or shifting. Do not place cargo higher than the seatbacks. In a sudden stop or collision, unsecured cargo could cause personal injury.
- Never allow anyone to ride in the luggage area or on the rear seat when it is in the folded-down position. Use of these areas by passengers without proper restraints could result in serious injury or death in an accident or sudden stop.

CAUTION

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

FRONT SEATS

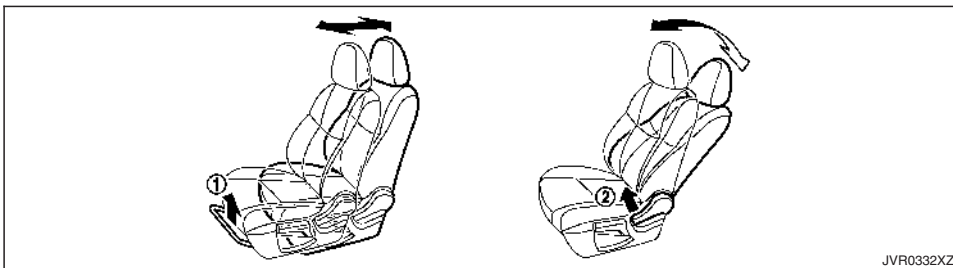
WARNING

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 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:

CAUTION

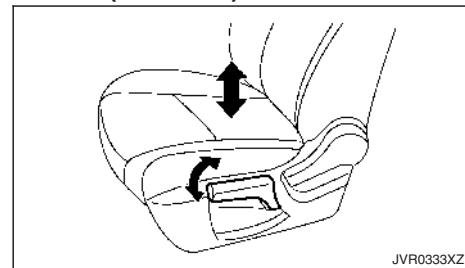
When moving the seats forward or backward, or returning a rear-reclined seatback to its upright position, make sure you hold onto the seatback while operating. If the seatback is not held, the seat or seatback will move suddenly and could cause injury.

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.)

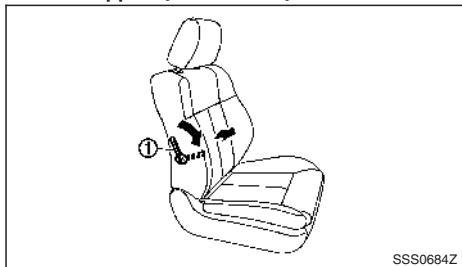
The seatback may be reclined to allow occupants to rest when the vehicle is parked.

Seat lifter (where fitted):



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

Lumbar support (where fitted):



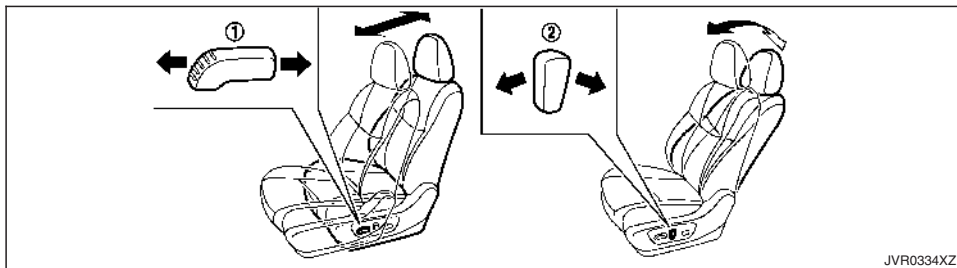
The lumbar support feature provides lower back support to the driver and front passenger seat (where fitted).

Move the lever ① up or down to adjust the seat lumbar area.

Power seat adjustment

Operating tips:

- The power seat motor has an auto-reset overload protection circuit. If the motor stops during the seat adjustment, wait 30 seconds, then reactivate the switch.
- To avoid discharge of the battery, do not operate the power seats for a long period of time when the engine is not running.



Forward and backward:

Move the adjusting switch ① forward or backward as shown to the desired position.

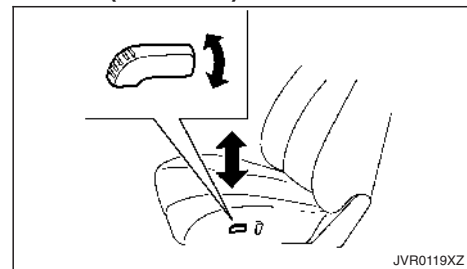
Reclining:

Move the adjusting switch ② forward or backward as shown to the desired 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.)

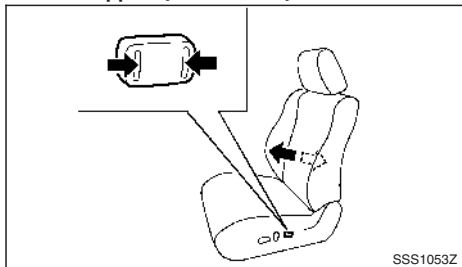
The seatback may be reclined to allow occupants to rest when the vehicle is parked.

Seat lifter (where fitted):



Pull the adjusting switch up or push it down as shown to adjust the seat height until the desired position is achieved.

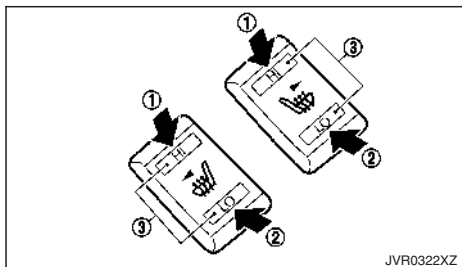
Lumbar support (where fitted):



The lumbar support feature provides lower back support to the driver and front passenger seat (where fitted).

Push each side of the adjusting switch as shown to adjust the seat lumbar area until the desired position is achieved.

Heated seats (where fitted)



The front 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.

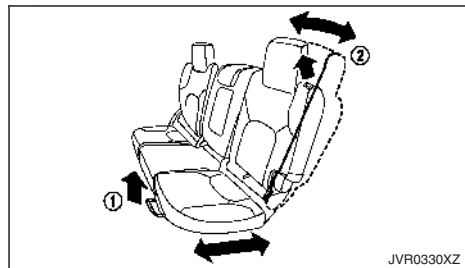
CAUTION

- 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.

SECOND ROW SEATS

Adjustment



Forward and backward (where fitted):

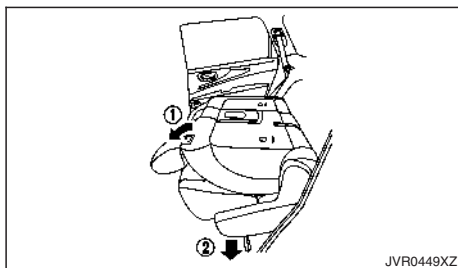
1. Pull up the adjusting lever ①.
2. Slide the seat to the desired position.
3. Release the adjusting lever ① to lock the seat in position.

Reclining (where fitted):

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



Folding:

1. For vehicles not equipped with third row seat: Pull up the lever ① and fold the seatback flat.
For vehicles equipped with third row seat: Pull up the lever ① and pull the strap ② on the lower side of the outboard seats to fold the seatback flat.
2. To return the seats to a seating position, push up on the seatback until it latches in place.

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 second row seats when occupants are in the second row seat area or any luggage is on the second row seats.

- Properly secure all luggage to help prevent it from sliding or shifting. Do not place luggage higher than the seatbacks.
- When returning the seatbacks to the upright position, be certain they are completely secured in the latched position. If they are not completely secured, passengers may be injured in an accident or sudden stop.

Walk-in mechanism (Three row model):

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

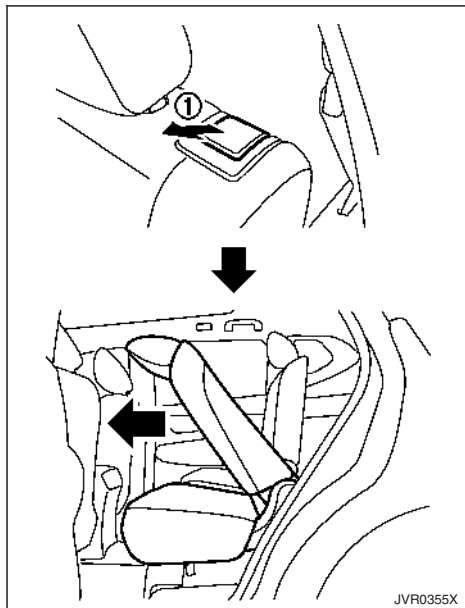
WARNING

After operating the walk-in mechanism, be sure to return the seat to the rearmost position and then tilt up the seatback until it latches.

CAUTION

- When operating the walk-in mechanism, push and hold the seatback and operate slowly. If the seatback is tilted down quickly and then allowed to slide, there is a risk that it could contact your face or other parts of your body, or pinch your hand or foot, causing injury.
- When operating the walk-in mechanism, be sure not to contact any moving parts to avoid possible injuries and/or damage.
- When operating the walk-in mechanism, be sure that the second row seats are not occupied by passengers and/or any objects to avoid possible injuries and/or damage.

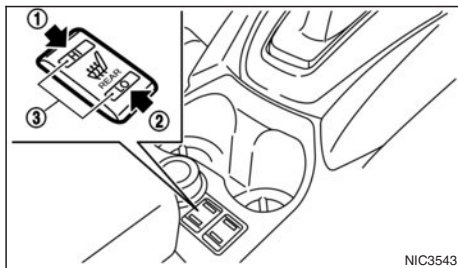
- **Do not operate the walk-in mechanism with objects, drinks, etc. on the seat. This may cause objects to break or cause the passenger room to be soiled.**



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

3. When returning the seat to its original position, tilt the seat back up, slide the seat backward and then secure it in place.

Heated rear seats (where fitted)



The rear seats can be warmed by built-in heaters. The switch is located on the centre console.

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 the heater is on.
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.

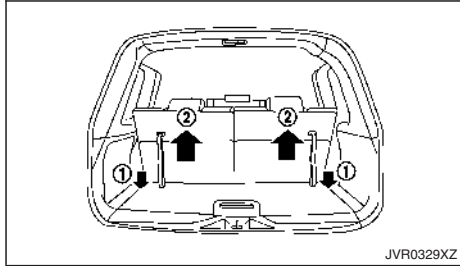
When the vehicle's interior is warmed, be sure to turn off the switch.

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.**

THIRD ROW SEATS (where fitted)

Folding



To fold the third row seats flat for maximum cargo capacity:

1. Make sure the head restraints are all the way down.
2. Pull the strap ① to release the seat.
3. Once released, push the seatback forward ②.

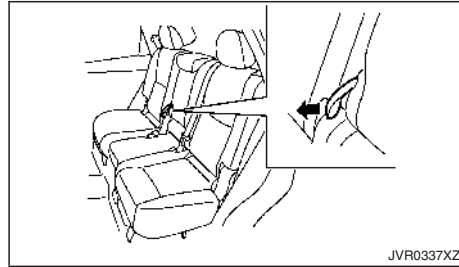
To return the third row seats to a seating position:

Use the pull straps ① to raise each seatback. Pull back until the seatback latches into position. Make sure to properly raise each seatback to an upright and secured position.

WARNING

When the seat is returned to the normal seating position, the head restraints must be returned to the upright position to properly protect vehicle occupants.

ARMREST



Second row seats

Fold down the armrest while pulling the strap (where fitted) until it is horizontal.

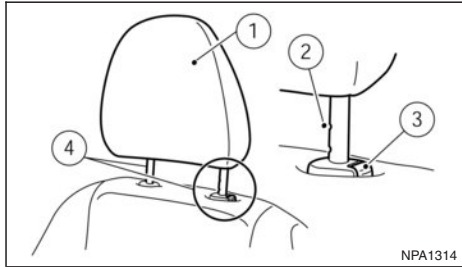
WARNING

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

- Your vehicle is equipped with 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.

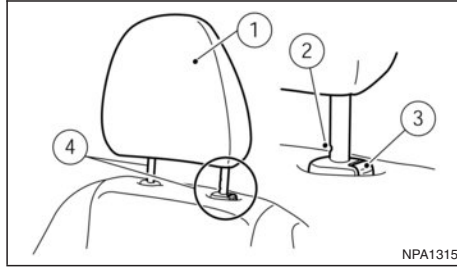
- If the head restraint has been removed, ensure that it is reinstalled and locked in place before riding in that designated seating position.

ADJUSTABLE HEAD RESTRAINT



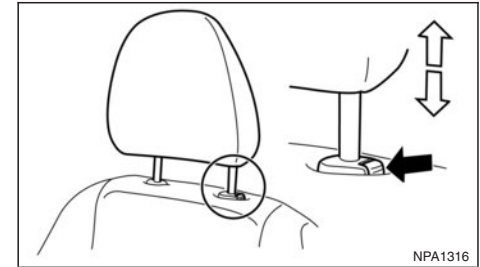
1. Removable head restraint
2. Multiple notches
3. Lock knob
4. Stalks

NON-ADJUSTABLE HEAD RESTRAINT



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

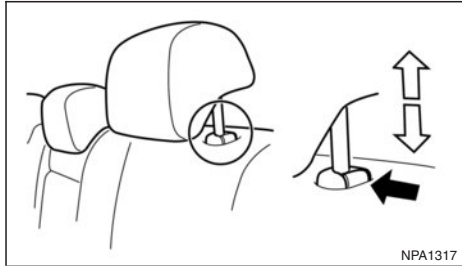
REMOVE



Use the following procedure to remove the head restraint.

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

INSTALL



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



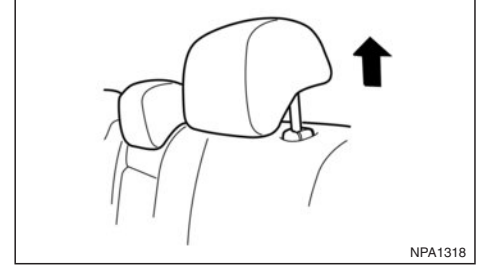
For adjustable head restraint

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

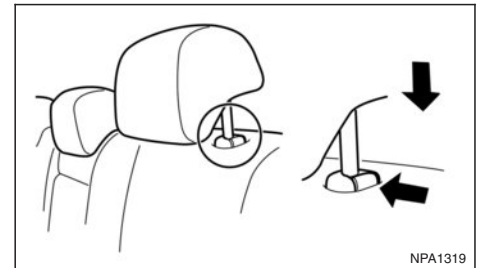
Make sure the head restraint is positioned from the stored position or any non-latch position so the lock knob is engaged in the notch before riding in that designated seating position.

Raise



To raise the head restraint, pull it up as shown.

Lower

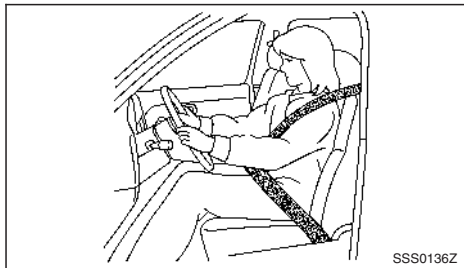


To lower, push and hold the lock knob and push the head restraint down as shown.

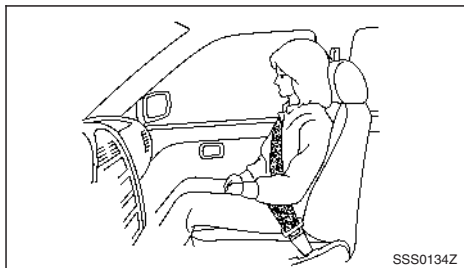
SEAT BELTS

PRECAUTIONS ON SEAT BELT USAGE

If you are wearing your seat belt properly adjusted, and you are sitting upright and well back in your seat, your 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, regardless of whether or not your seating position includes a supplemental air bag.



Sit upright and well back



Sit upright and well back

WARNING

Be sure to observe the following warnings when using seat belts. Failure to do so could increase the chance and/or severity of injury in an accident.

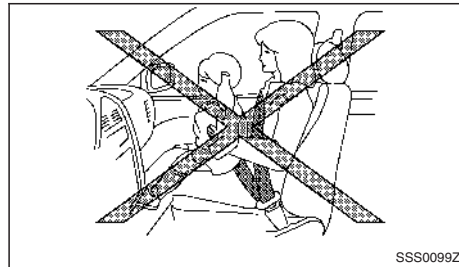
- Every person who drives or rides in this vehicle should use a seat belt at all times. Children should be properly restrained in the rear seat and, if appropriate, in a child restraint.
- The seat belt should be properly adjusted to a snug fit. Failure to do so may reduce the effectiveness of the entire restraint system and increase the chance or severity of injury in an accident. Serious injury or death can occur if the seat belt is not worn properly.
- Always route the shoulder belt over your shoulder and across your chest. Never put the belt behind your back, under your arm or across your neck. The belt should be away from your face and neck, but not falling off your shoulder.
- 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.
- Seatbelts are designed to bear upon the bony structure of the body, and should be worn low across the front of the pelvis or the pelvis, chest and shoulders, as applicable; wearing the lap section of the belt across the abdominal area must be avoided.
- 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.

- 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.
- Be sure the seat belt tongue is securely fastened to the proper buckle.
- Do not wear the seat belt inside out or twisted. Doing so may reduce its effectiveness.
- Do not allow more than one person to use the same seat belt.
- Never carry more people in the vehicle than there are seat belts.
- 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.
- If the seat belt warning light illuminates continuously while the ignition switch is in the ON position, with all doors closed, and all seat belts fastened, it may indicate a malfunction in the system. Have the system checked by a NISSAN dealer or qualified workshop.
- No changes should be made to the seat belt system. For example, do not modify the seat belt, add material, or install devices that may change the seat belt routing or tension. Doing so may affect the operation of the seat belt system. Modifying or tampering with the seat belt system may result in serious personal injury.

- Once a seat belt pre-tensioner has been activated, it cannot be reused and must be replaced together with the retractor. See 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.
- All seat belt assemblies, including retractors and attaching hardware, should be inspected by a NISSAN dealer or qualified workshop after any collision. NISSAN recommends that all seat belt assemblies in use during a collision be replaced unless the collision was minor and the belts show no damage and continue to operate properly. Seat belt assemblies not in use during a collision should also be inspected and replaced if either damage or improper operation is noted.
- All child restraints and attaching hardware should be inspected after any collision. Always follow the restraint manufacturer's inspection instructions and replacement recommendations. The child restraints should be replaced if they are 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.
- 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.

CHILD SAFETY



WARNING

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

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

Infants and small children

NISSAN recommends that infants and small children should be seated in a child restraint on the rear seats if available. According to accident statistics, children are safer when properly restrained in the rear seat than in the front seat. See "Child restraints"

later in this section. 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.

Larger children

WARNING

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

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

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

PREGNANT WOMEN

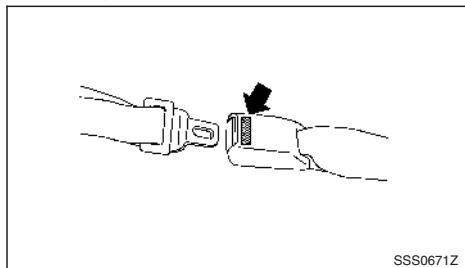
NISSAN recommends that pregnant women use seat belts. The seat belt should be worn snug, and always position the lap belt as low as possible around the hips, not the waist. Place the shoulder belt over your shoulder and across your chest. Never put the lap/shoulder belt over your abdominal area. Contact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

INJURED PERSONS

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

CENTRE MARK ON SEAT BELTS

Selecting correct set of seat belts



The centre seat belt buckle is 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



WARNING

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

Fastening seat belts

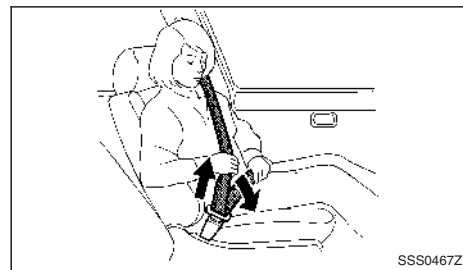
WARNING

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

1. Adjust the seat. (See "Seats" earlier in this section.)

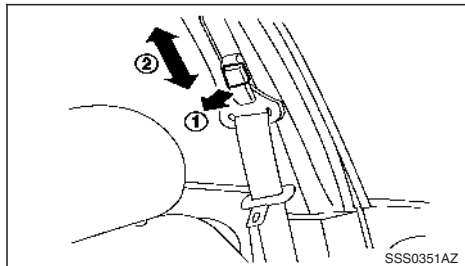
2. Slowly pull the seat belt out of the retractor and insert the tongue into the buckle until you hear and feel the latch engage.

- 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.

Shoulder belt height adjustment (where fitted)



WARNING

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

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

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

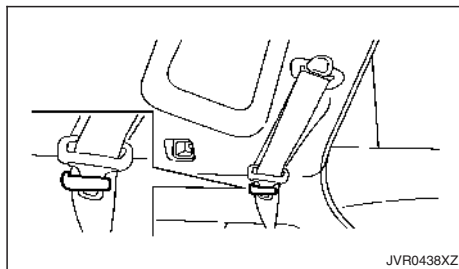
To adjust, pull the release button ① and move the shoulder belt anchor to the proper position ②, so that the belt passes over the centre of the shoulder.

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

Unfastening seat belts

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

Belt hook (where fitted)



Seat belt can be hooked on the belt hook.

Checking seat belt operation

Seat belt retractors are designed to lock seat belt movement:

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

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

SEAT BELT MAINTENANCE

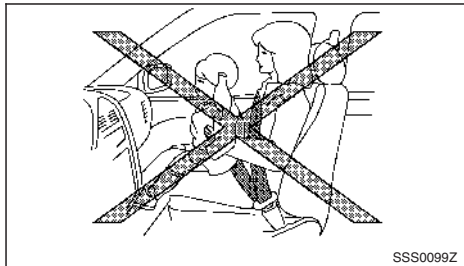
Periodically check that the seat belt and all the metal components, such as buckles, tongues, retractors, flexible wires and anchors, work properly. If loose parts, deterioration, cuts or other damage on the seat belt webbing is found, the entire seat belt assembly should be replaced.

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

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

CHILD RESTRAINTS

PRECAUTIONS ON CHILD RESTRAINT USAGE



WARNING

- Infants and small children should always be placed in an appropriate child restraint while riding in the vehicle. Failure to use a child restraint can result in serious injury or death.
- Infants and small children should never be carried on your lap. It is not possible for even the strongest adult to resist the forces of a severe accident. The child could be crushed between the adult and parts of the vehicle. Also, do not put the same seat belt around both your child and yourself.
- NISSAN recommends that the child restraints be installed in the rear seat. According to accident statistics, children are safer when properly restrained in the rear seat than in the front seat.
- Improper use or improper installation of a child restraint can increase the risk or severity

of injury for both the child and other occupants of the vehicle and can lead to serious injury or death in an accident.

- Follow all of the child restraint manufacturer's instructions for installation and use. When purchasing a child restraint, be sure to select one which will fit your child and vehicle. It may not be possible to properly install some types of child restraint in your vehicle.
- The direction of the child restraint, either front-facing or rear-facing, depends on the type of the child restraint and the size of the child. Refer to the child restraint manufacturer's instructions for details.
- Adjustable seatbacks should be positioned to ensure full contact between child restraint and seatback.
- After attaching a child restraint, test it before you place the child in it. Push it from side to side and tug it forward to make sure that it is held securely in place. The child restraint should not move more than 25 mm (1 in). If the restraint is not secure, tighten the belt as necessary, or install the restraint in another seat and test it again.
- When the child restraint is not in use, keep it secured with the ISOFIX child restraint system or a seat belt to prevent it from being thrown around in case of a sudden stop or accident.
- Never install a rear-facing child restraint on the front passenger's seat when the front passenger's air bag is available. Supplemental front-impact air bags inflate with great force. A rear-facing child restraint could be struck by

the supplemental front-impact air bags in an accident and could seriously injure or kill your child.

- If the seat belt in the position where a child restraint is installed requires a locking device and if it is not used, injuries could result from a child restraint tipping over during normal vehicle braking or cornering.
- If you install a child restraint system on the rear seat, move the rear seat to the rearmost position (for models with sliding seats).

CAUTION

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

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

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

Universal child restraints approved to UN Regulation NO. 44 (UN R44) or UN Regulation No.129 (UN R129) are clearly marked with the categories such as Universal, Semi-universal or ISOFIX.

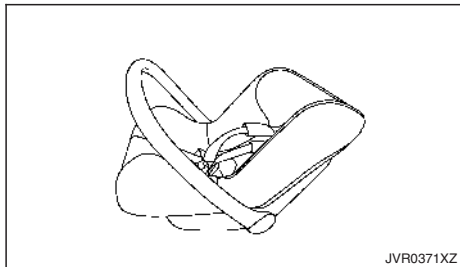
When selecting any child restraint, keep the following points in mind:

- Choose a child restraint that complies with the UN R44 or UN R129
- 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.

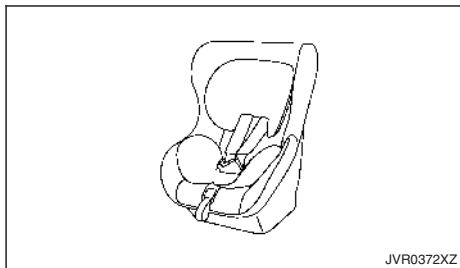
Mass group of child seat

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

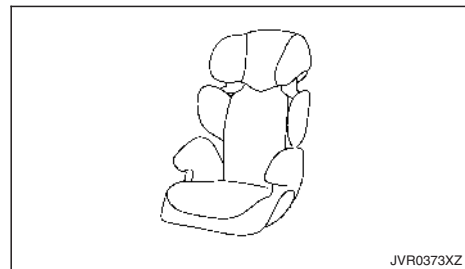
Examples of child seat types:



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

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

Mass group		Suitability				
		Front passenger seat (Air bag ON)	Front passenger seat (Air bag OFF)	Second row outer seat	Second row centre seat	Third row seat
0	<10 kg	X	X	U*2	X	X
0+	<13 kg	X	L*2	U/L*2	X	X
I	9 - 18 kg	X	L*2	U*2	X	X
II	15 - 25 kg	X	L*1*2	UF/L*1*2	X	X
III	22 - 36 kg	X	L*1*2	UF/L*1*2	X	X

X: Not suitable for child restraint system.

U: Suitable for universal category child restraint system approved for this weight group.

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

L: Suitable for particular child restraints given in the following table, or vehicle list of child restraint manufacturer.

*1: If you install a child seat, remove the head restraint.

*2: If you install a child seat on sliding seat, set to most rearward slide position.

Permissible options for fitting an ISOFIX child restraint

Mass group			Suitability			
			Front passenger seat	Second row outer seat	Second row centre seat	Third row seat
Carry-cot	F	ISO/L1	X	X	X	X
	G	ISO/L2	X	X	X	X
0+ (<10 kg)	E	ISO/R1	X	IL*	X	X
0+ (<13 kg)	E	ISO/R1	X	IL	X	X
	D	ISO/R2	X	IL*	X	X
	C	ISO/R3	X	IL*	X	X
I (9 - 18 kg)	D	ISO/R2	X	IL*	X	X
	C	ISO/R3	X	IL*	X	X
	B	ISO/F2	X	IUF	X	X
	B1	ISO/F2X	X	IL*1/IUF	X	X
	A	ISO/F3	X	IUF	X	X
II (15 - 25 kg)	—	—	X	IL*1	X	X
III (22 - 36 kg)	—	—	X	IL*1	X	X

X: Not suitable for child restraint system.

IUF: Suitable for universal category forward facing child restraint system approved for this weight group.

IL: Suitable particular ISOFIX category child restraint system (CRS) given in the following table, or vehicle list of child seat manufacturer.

IL*: Suitable particular ISOFIX category child restraint system (CRS) given in the vehicle list of child seat manufacturer.

*1: If you install a child seat, remove the head restraint.

List of Universal recommended child restraints

	Front passenger seat (Air bag OFF)	Second row outer seat	Second row centre seat	Third row seat
0+ (<13 kg)	Maxi Cosi Cabrio Fix	Maxi Cosi Cabrio Fix	—	—
I (9 - 18 kg)	Römer King plus	Römer King plus	—	—
	—	Römer Duo plus	—	—
II (15 - 25 kg)	Römer Kid fix (belt mounted)	Römer Kid fix (belt mounted)	—	—
III (22 - 36 kg)	Römer Kid fix (belt mounted)	Römer Kid fix (belt mounted)	—	—

List of Semi-universal recommended child restraints

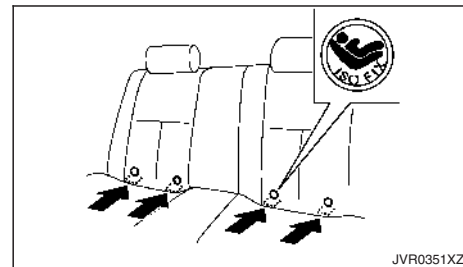
	Front passenger seat (Air bag OFF)	Second row outer seat	Second row centre seat	Third row seat
0+ (<13 kg)	Maxi Cosi Cabrio Fix plus Easy Fix	Maxi Cosi Cabrio Fix plus Easy Fix	—	—
	—	Maxi Cosi Cabrio Fix plus Easy Fix Base	—	—
I (9 - 18 kg)	—	Maxi Cosi pearl plus family fix	—	—
II (15 - 25 kg)	—	Römer Kid fix (ISOFIX mounted)	—	—
III (22 - 36 kg)	—	Römer Kid fix (ISOFIX mounted)	—	—

List of approved child restraints

	Name of CRS	Fixture of CRS	Facing position	Category
0+ (<13 kg)	Römer Baby safe plus SHR II+ ISOFIX base	ISOFIX and support leg	Rear facing	Semi-universal
I (9 - 18 kg)	Römer Duo plus *1	ISO/F2X top tether	Front facing	Universal

*1: The fitting arm of the CRS (Child Restraint System) must be engaged with the ISOFIX lower anchor with the 2nd row seatback in the rearmost position. Then the seatback should be notched forwards to give good support (0 – 3 notches from the rearmost position) (for models with sliding seats).

ISOFIX CHILD RESTRAINT SYSTEM (for second row seats)



ISOFIX label location

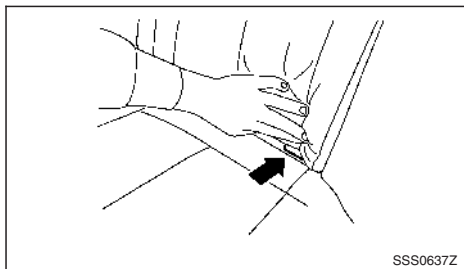
Your vehicle is equipped with special anchor points that are used with ISOFIX child restraint systems.

ISOFIX lower anchor point locations

The ISOFIX anchor points are provided to install child restraints in the second row outboard seating positions only.

WARNING

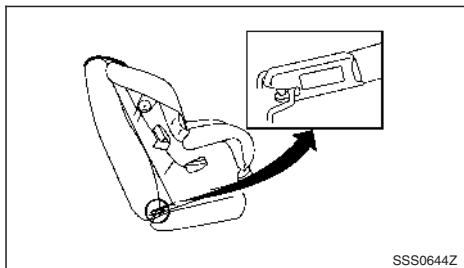
- Do not attempt to install a child restraint in the centre seating position using the ISOFIX anchors.



ISOFIX lower anchor location

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

ISOFIX child restraint anchor attachments



Anchor attachment

ISOFIX child restraints include two rigid attachments that can be connected to two anchors located in the seat. With this system, you do not have to use a vehicle seat belt to secure the child re-

straint. 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 (for second row seats)

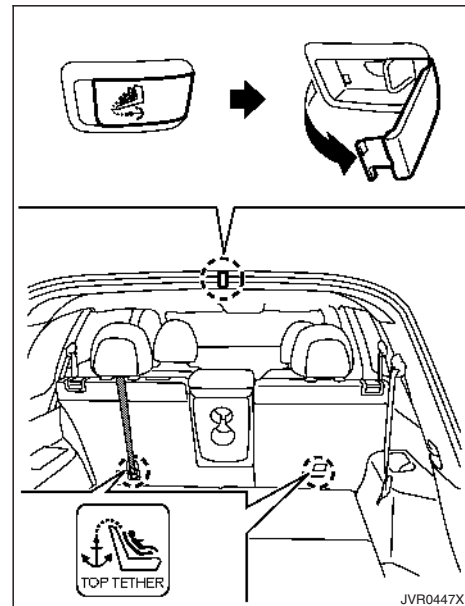
Your vehicle is designed to accommodate a child restraint system on the second row seat. When installing a child restraint system, carefully read and follow the instructions in this manual and those supplied with the child restraint system.

WARNING

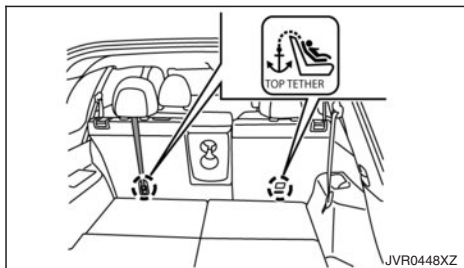
- Child restraint anchorages are designed to withstand only those loads imposed by correctly fitted child restraints. Under no circumstances are they to be used for adult seat belts, harnesses or for attaching other items or equipment to the vehicle. Doing so could damage the child restraint anchorages.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

secure it in the luggage area. Also secure any items in the luggage area. Your child could be seriously injured or killed in a collision if the top tether strap is damaged.

Anchorage location



Type A



Type B (example)

The anchor points are located as illustrated.

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

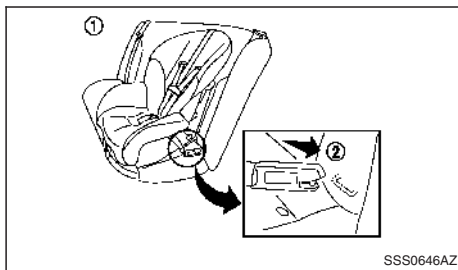
CHILD RESTRAINT INSTALLATION USING ISOFIX

WARNING

- Attach ISOFIX child restraints only at the specified locations. For the ISOFIX lower anchor locations, see "ISOFIX child restraint system (for second row seats)" earlier in this section. If a child restraint is not secured properly, your child could be seriously injured or killed in an accident.
- Do not install child restraints that require the use of a top tether strap to seating positions that do not have a top tether anchor.

- Do not secure a child restraint in the centre rear seating position using the ISOFIX lower anchors. The child restraint will not be secured properly.
- Inspect the lower anchors by inserting your fingers into the lower anchor area and feeling to make sure there are no obstructions over the ISOFIX anchors, such as seat belt webbing or seat cushion material. The child restraint will not be secured properly if the ISOFIX anchors are obstructed.
- Child restraint anchorages are designed to withstand only those loads imposed by correctly fitted child restraints. Under no circumstance are they to be used for adult seat belts, harnesses or for attaching other items or equipment to the vehicle. 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



Steps 1 and 2

Front-facing:

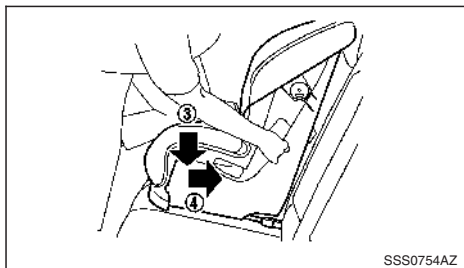
Be sure to follow the manufacturer's instructions for the proper use of your child restraint. Follow these steps to install a front-facing child restraint on the second row outboard seats using ISOFIX:

1. Position the child restraint on the seat ①.
2. Secure the child restraint anchor attachments to the ISOFIX lower anchors ②.
3. For Europe (Mass group I-F2X, II, III):

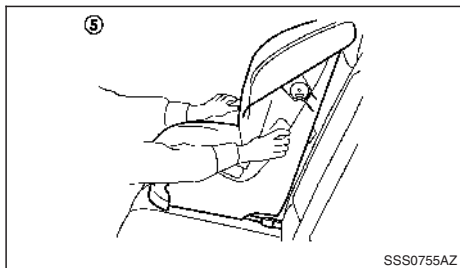
The back of the child restraint should be secured against the vehicle seatback. The head restraint should be removed to obtain the correct child restraint fit. Store the head restraint in a secure place. Be sure to install the head restraint when the child restraint is removed. (See "Head restraints" earlier in this section, and "Universal child restraints for front seat and rear seats" earlier in this section)

For Europe (except for Mass group I-F2X, II, III):

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. 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. (See "Head restraints" earlier in this section, and "Universal child restraints for front seat and rear seats" earlier in this section.)



Step 4

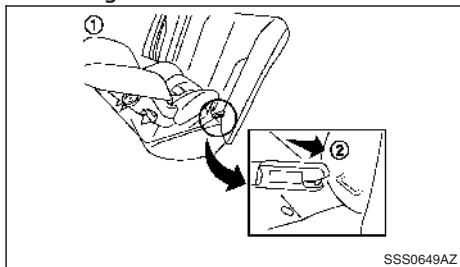


Step 7

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. Adjustable seatbacks should be positioned to ensure full contact between child restraint and seatback.
5. If the child restraint is equipped with a top tether strap, route the top tether strap and secure the tether strap to the tether anchor point. (See "Child restraint anchorage (for second row seats)" 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.

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.

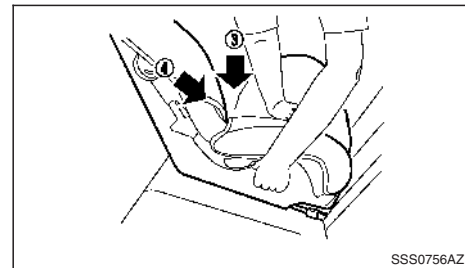
Rear-facing:



Steps 1 and 2

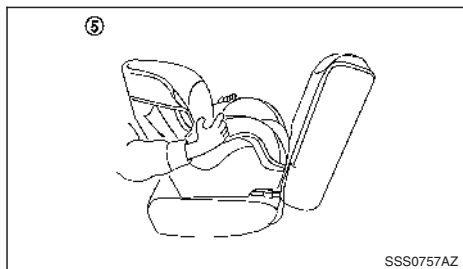
Be sure to follow the manufacturer's instructions for the proper use of your child restraint. Follow these steps to install a rear-facing child restraint on the second row outboard seats using ISOFIX:

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



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 (for second row seats)" 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

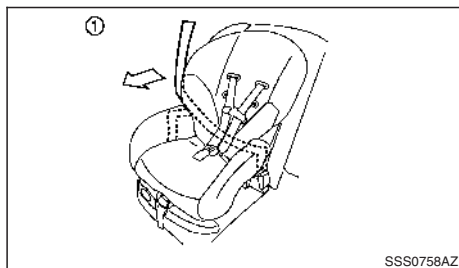
6. Test the child restraint before you place the child in it ⑤. Push the child restraint from side to side and tug it forward to make sure that it is held securely in place.
7. Check to make sure that the child restraint is properly secured prior to each use. If the child restraint is loose, repeat steps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

CHILD RESTRAINT INSTALLATION USING THREE-POINT TYPE SEAT BELT

Installation on rear seats - without automatic locking mode

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 seats using three-point type seat belt without automatic locking mode:



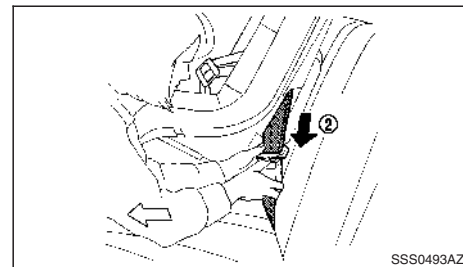
Front-facing: Step 1

1. Position the child restraint on the seat ①.
2. **Installation on rear outboard seats (for Europe (Mass group II and III)):**

Remove the head restraint. (See "Head restraints" earlier in this section, "Universal child restraints for front seat and rear seats" earlier in this section.)

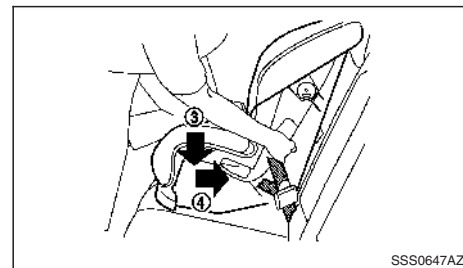
Installation on rear outboard seats (for Europe (except for Mass group II and III)):

Adjust the head restraint to its highest position. (See "Head restraints" earlier in this section, "Universal child restraints for front seat and rear seats" earlier in this section.)



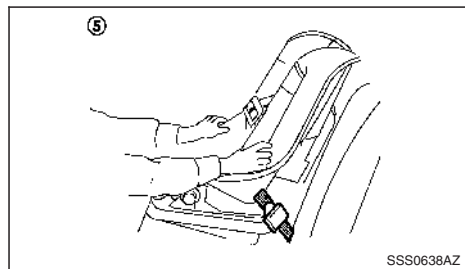
Front-facing: Step 3

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



Front-facing: Step 5

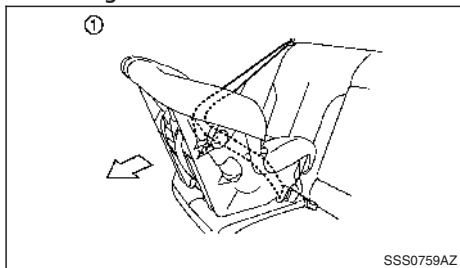
- Remove any additional slack from the seat belt; press downward ③ and rearward ④ firmly in the centre of the child restraint with your knee to compress the vehicle seat cushion and seatback while pulling up on the seat belt. Adjustable seat-backs should be positioned to ensure full contact between child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



Front-facing: Step 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.
- Check to make sure that the child restraint is properly secured prior to each use. If the child restraint is loose, repeat steps 3 through 5.

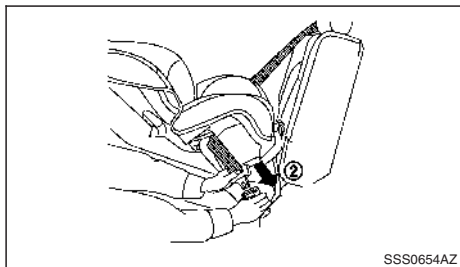
Rear-facing:



Rear-facing: Step 1

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

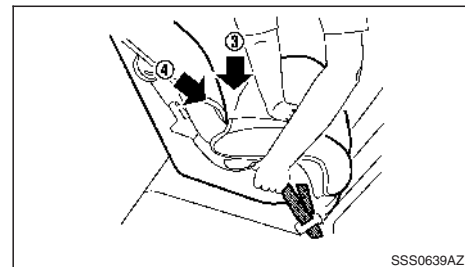
- Position the child restraint on the seat ①.



Rear-facing: Step 2

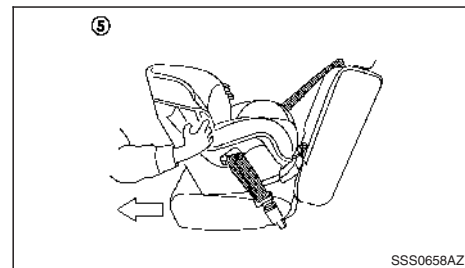
- Route the seat belt tongue through the child restraint and insert it into the buckle ② until you hear and feel the latch engage.

- To prevent slack in the seat belt webbing, it is necessary to secure the seat belt in place with locking devices attached to the child restraint.



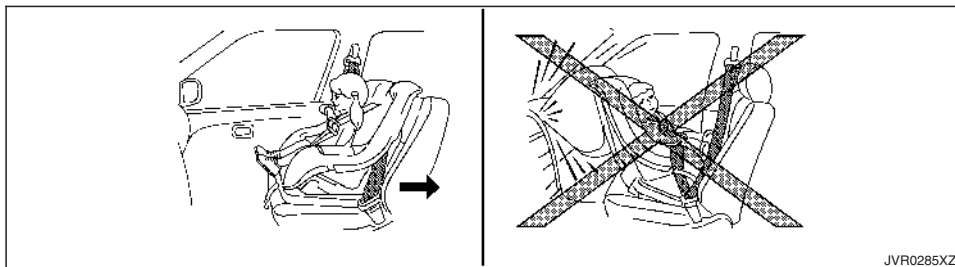
Rear-facing: Step 4

- Remove any additional slack from the seat belt; 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 while pulling up on the seat belt.



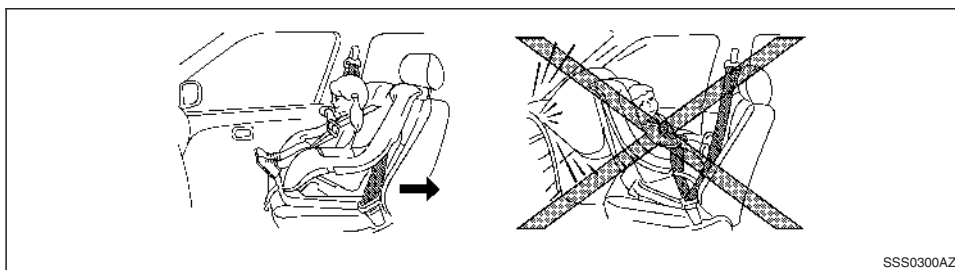
Rear-facing: Step 5

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



For Europe (Mass group II and III)

JVR0285XZ



For Europe (except for Mass group II and III)

SSS0300AZ

Installation on front passenger's seat

WARNING

- Never install a rear-facing child restraint on the front passenger's seat when the front passenger's air bag is available. Supplemental front-impact air bags inflate with great force. A rear-facing child restraint could be struck by


the supplemental front-impact air bags in an accident and could seriously injure or kill your child.

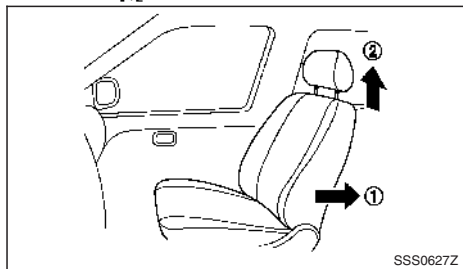
- Never install a child restraint with a top tether strap on the front seat.
- NISSAN recommends that a child restraint be installed on the rear seat. However, subject to local regulations, if you must install a child restraint on the front passenger's seat, move the passenger's seat to the rearmost position.

- **Child restraints for infants must be used in the rear-facing direction and therefore must not be used on the front passenger's seat when the front passenger's air bag is available.**
- **Failure to use the seat belts will result in the child restraint system not being properly secured. It could tip over or otherwise be unsecured and cause injury to the child in a sudden stop or collision.**

Front-facing:

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

1. Turn off the front passenger's air bag using the front passenger air bag switch. (See "Supplemental Restraint System (SRS)" later in this section.) Place the ignition switch in the ON position and make sure that the front passenger air bag status light  (OFF) illuminates.



Front-facing: Steps 2 and 3

2. Move the seat to the rearmost position ①.

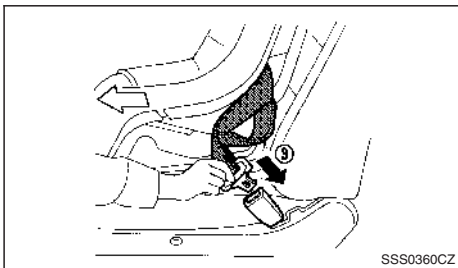
3. **For Europe (Mass group II and III):**

Remove the head restraint ②. (See "Head restraints" earlier in this section, "Universal child restraints for front seat and rear seats" earlier in this section.)

- For Europe (except for Mass group II and III):**

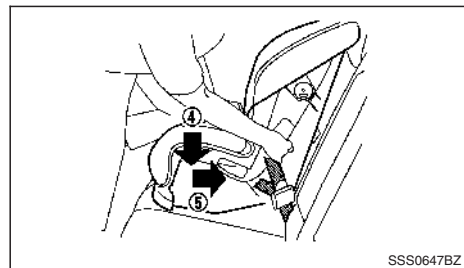
Adjust the head restraint ② to its highest position. (See "Head restraints" earlier in this section, "Universal child restraints for front seat and rear seats" earlier in this section.)

4. Position the child restraint in the seat.



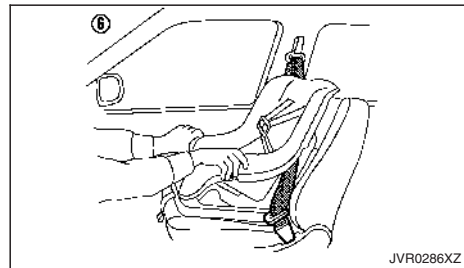
Front-facing: Step 5

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



Front-facing: Step 7

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



Front-facing: Step 8 (for Europe (Mass group II and III))

SUPPLEMENTAL RESTRAINT SYSTEM (SRS)

PRECAUTIONS ON SUPPLEMENTAL RESTRAINT SYSTEM (SRS)

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

Supplemental front-impact air bag system

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

Supplemental side-impact air bag system

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

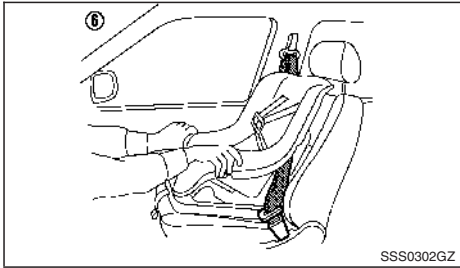
Supplemental curtain side-impact air bag system

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

The SRS is designed to **supplement** the accident protection provided by the driver's and passenger's seat belts and **is not** designed to **substitute** for them. The SRS can help save lives and reduce serious injuries. However, inflating air bags may cause abrasions or other injuries. Air bags do not provide protection to the lower body. Seat belts should always be correctly worn and the occupants should always be seated a suitable distance away from the steering wheel and instrument panel. (See "Seat belts" 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.

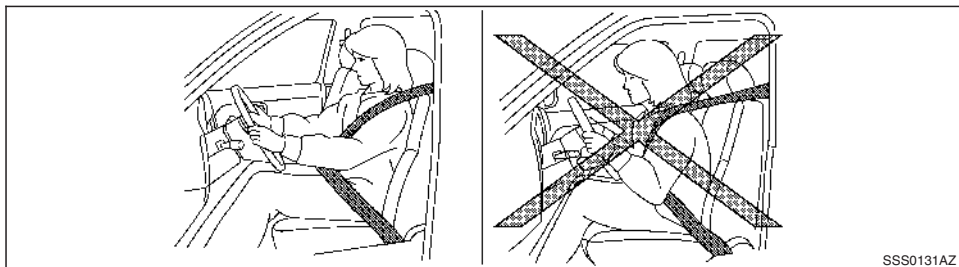
The SRS operates only when the ignition switch is in the ON position.

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 air bag system is operational. (See "SRS air bag warning light" later in this section.)

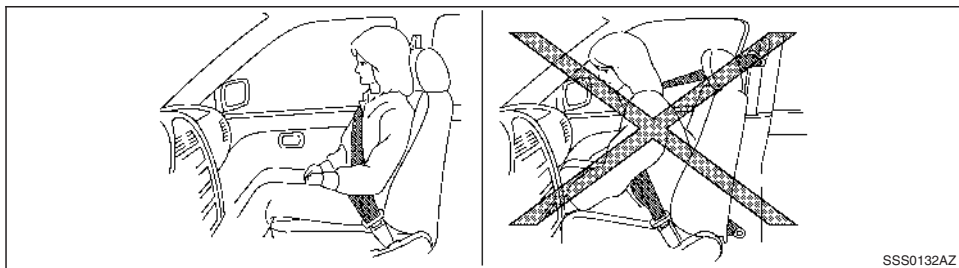


Front-facing: Step 8 (for Europe (except for Mass group II and III))

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



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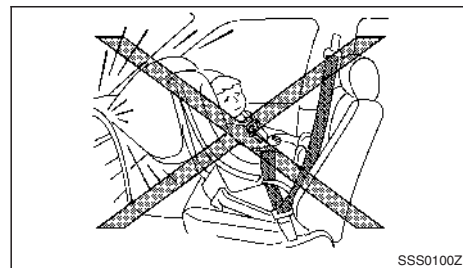
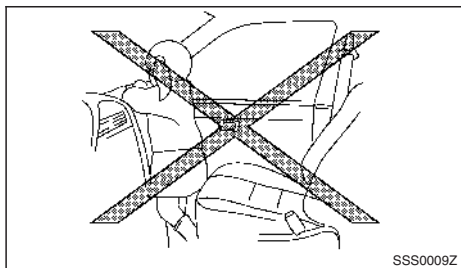
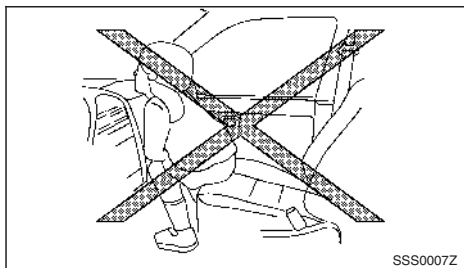
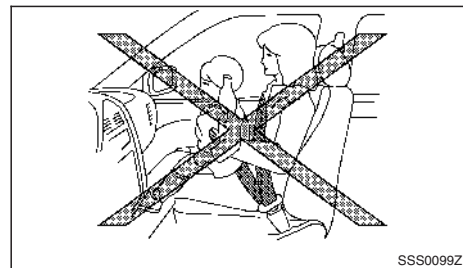
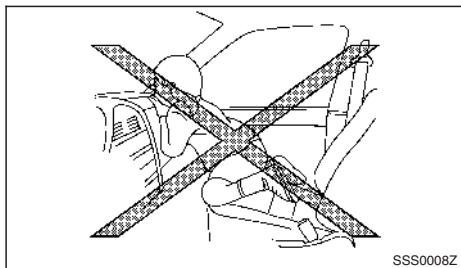
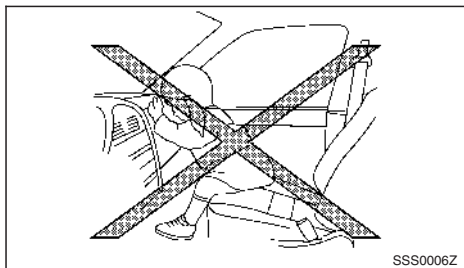
against the seatback and as far away as practical from the steering wheel or instrument panel. Always use the seat belts.

- Keep your hands on the outside of the steering wheel. Placing them inside the steering wheel rim could increase the risk of injury if the supplemental front air bag inflates.

WARNING

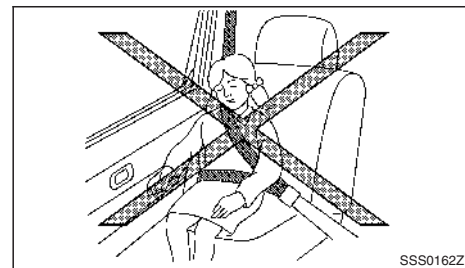
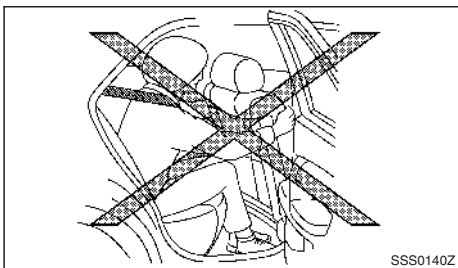
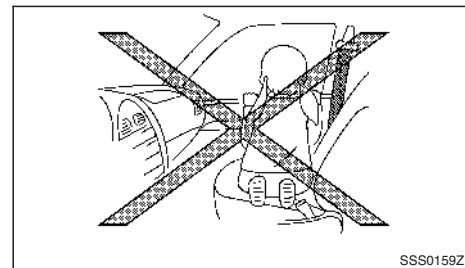
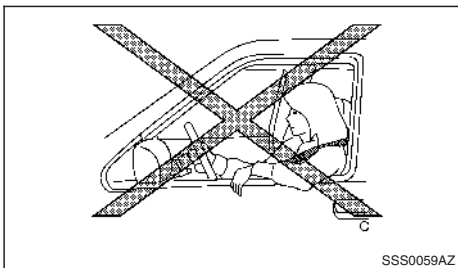
- The supplemental front-impact air bags ordinarily will not inflate in the event of a side impact, rear impact, rollover, or lower severity frontal collision. Always wear the seat belts to help reduce the risk or severity of injury in accidents.
- The seat belts and the supplemental front-impact air bags are most effective when you are

sitting well back and upright in the seat. The front-impact air bags inflate with great force. If you and your passengers are unrestrained, leaning forward, sitting sideways, or out of position in any way, you and your passengers are at greater risk of injury or death in an accident. You and your passengers may also receive serious or fatal injuries from the supplemental front-impact air bag if you are up against it when it inflates. Always sit back



WARNING

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



WARNING

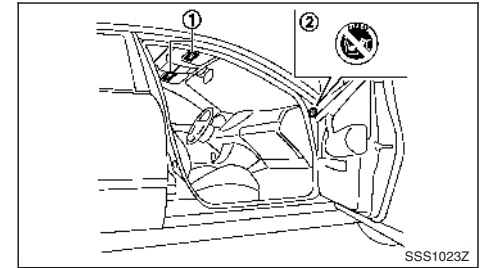
- The supplemental side-impact air bags and supplemental curtain side-impact air bags ordinarily will not inflate in the event of a front impact, rear impact, rollover, or lower severity side collision. Always wear the seat belts to help reduce the risk or severity of injury in accidents.
- The supplemental curtain side-impact air bags ordinarily will not inflate in the event of a front impact, rear impact, rollover, or lower severity side collision. Always wear the seat belts to help reduce the risk or severity of injury in accidents
- The seat belts and the supplemental side-impact air bags and supplemental curtain side-impact air bags are most effective when you are sitting well back and upright in the seat. The supplemental side-impact air bags and supplemental curtain side-impact air bags inflate with great force. If you and your passengers are unrestrained, leaning forward, sitting sideways, or out of position in any way, you and your passengers are at greater risk of injury or death in an accident.

- Do not allow anyone to place their hands, legs, or face near the supplemental side-impact air bags and supplemental curtain side-impact air bags on the sides of the seatback of the front seats or near the side roof rails. Do not allow anyone sitting in the front seats or rear outboard seats to extend their hands out of the windows or lean against the doors. Some examples of dangerous riding positions are shown in the illustrations.
- When sitting in the rear seats, do not hold onto the seatback of the front seats. If the supplemental side-impact air bags and supplemental curtain side-impact air bags inflate, you may be seriously injured. Be especially careful with children, who should always be properly restrained.
- Do not use seat covers on the front seatbacks. They may interfere with the supplemental side-impact air bag inflations.

Pre-tensioner seat belt system

The pre-tensioner seat belt system activates in conjunction with the supplemental front-impact air bag. Working with the seat belt retractor and anchor, 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 labels



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 body 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.



Air bag warning label

SRS air bag warning light




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.

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.

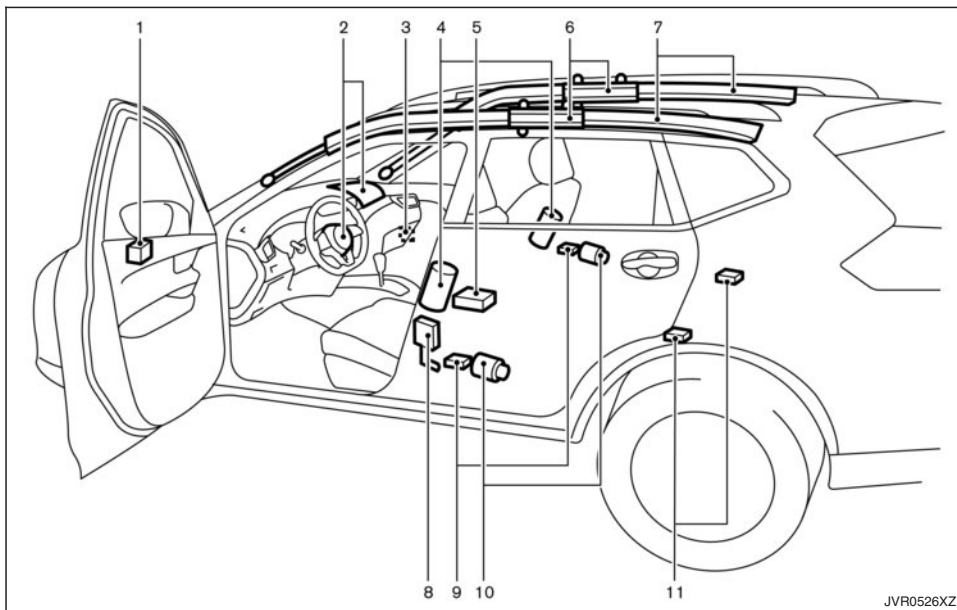
The SRS air bag warning light, displaying  in the meter, monitors the circuits for the air bag systems, pre-tensioner seat belt systems and all related wiring.

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

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

- The SRS air bag warning light remains on after approximately 7 seconds.
- The SRS air bag warning light 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. Front passenger air bag switch (where fitted)
4. Supplemental side-impact air bag modules (where fitted)
5. Air bag Control Unit (ACU)
6. Supplemental curtain side-impact air bag inflators (where fitted)
7. Supplemental curtain side-impact air bag modules (where fitted)
8. Lap outer pre-tensioner (where fitted)
9. Satellite sensors (where fitted)
10. Pre-tensioner seat belt retractors

11. Satellite sensors (where fitted)

WARNING

- Do not place any objects on the steering wheel pad, on the instrument panel, and near the front door finishers and the front seats. Do not place any objects between any occupants and the steering wheel pad, on the instrument panel, and near the front door finishers and the front seats. Such objects may become dangerous projectiles and cause injury if a supplemental air bag inflates.
- Immediately after inflation, several supplemental air bag system components will be hot. Do not touch them: you may severely burn yourself.
- No 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, front end structure, and side panels. This could affect proper operation of the supplemental air bag systems.
- Tampering with the supplemental air bag systems may result in serious personal injury. Tampering includes changes to the steering wheel and the instrument panel by placing materials over the steering wheel pad and above, around or on the instrument panel or by installing additional trim materials around the supplemental air bag systems.

- **Work around and on the supplemental air bag systems should be done by a NISSAN dealer 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.**

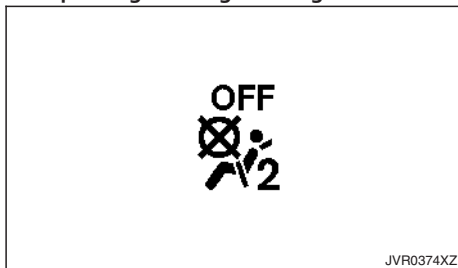
When the air bags inflate, a fairly loud noise may be heard, followed by the release of smoke. This smoke is not harmful and does not indicate a fire. Care should be taken not to inhale it, as it may cause irritation and choking. Those with a history of a breathing condition should get fresh air promptly.

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:




OFF light





ON light


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

When the ignition switch is placed in the ON position, the front passenger air bag status ON and OFF lights illuminate and then turn off or remain 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 OFF light  will turn off after about 7 seconds.

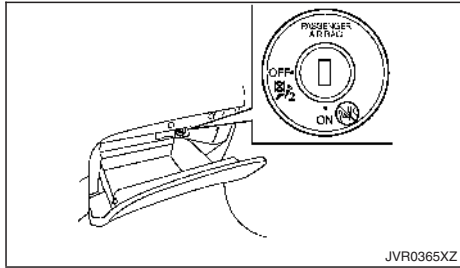
The front passenger air bag status ON light  will illuminate and then turn off after 1 minute when the front passenger air bag switch is in the ON position.

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

The front passenger air bag status OFF 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 in the glove box.

To turn off the front passenger air bag:

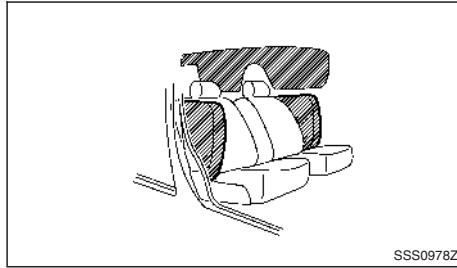
1. Place the ignition switch in the OFF position.
2. Open the glove box and insert the mechanical key into the front passenger air bag switch. For the mechanical key usage, see "Mechanical key" in the "3. Pre-driving checks and adjustments" section.
3. Push and turn the key to the OFF position.
4. Place the ignition switch in the ON position. The front passenger air bag status OFF 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 mechanical 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 ON light  will illuminate.
5. After 1 minute, the front passenger air bag status ON light  will 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 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 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 and pre-tensioner seat belts are designed to activate on a one-time-only basis. As a reminder, unless the SRS air bag warning light is damaged, the SRS air bag warning light remains illuminated after inflation has occurred. The repair and replacement of the SRS should be done only by a NISSAN dealer or qualified workshop.

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

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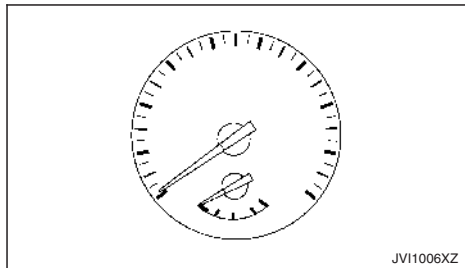
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METERS AND GAUGES

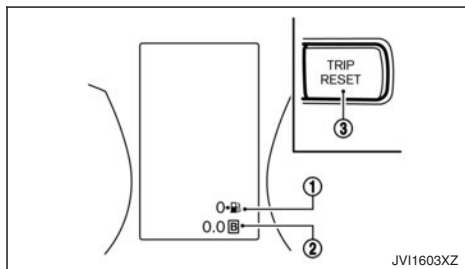
SPEEDOMETER AND ODOMETER

Speedometer



The speedometer indicates the vehicle speed (km/h or MPH).

Distance to empty (dte — km or mile)/Odometer



Distance to empty (dte — km or mile):

The distance to empty (dte) ① 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 distance to empty shown just before the ignition switch is placed in the OFF position may continue to be displayed.
- When driving uphill or rounding curves, the fuel in the tank shifts, which may momentarily change the display.

Odometer/Twin trip odometer:

After the ignition switch is placed in the OFF or LOCK position from the ON position, the odometer/ twin trip odometer stays on for 30 seconds. With the ignition switch in the OFF position, when you open any door then close all doors, the odometer/twin trip odometer stays on for 30 seconds.

The odometer/twin trip odometer is displayed in the vehicle information display when the ignition switch is in the ON position.

The odometer ② displays the total distance the vehicle has been driven.

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

Changing the odometer/twin trip odometer display:

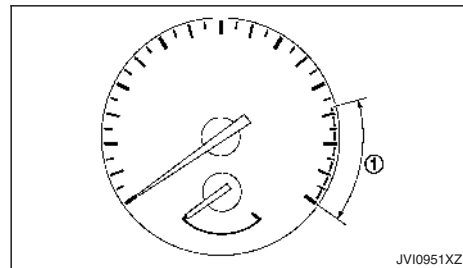
Push the TRIP RESET switch ③ (located on the instrument panel) to change the display as follows:

ODO → TRIP A → TRIP B → ODO

Resetting the twin trip odometer:

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

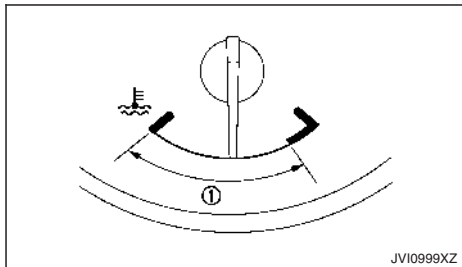
TACHOMETER



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

The red zone varies with models.

ENGINE COOLANT TEMPERATURE GAUGE



The engine coolant temperature gauge indicates the engine coolant temperature.

The engine coolant temperature is normal when the gauge needle points within the zone ① shown in the illustration.

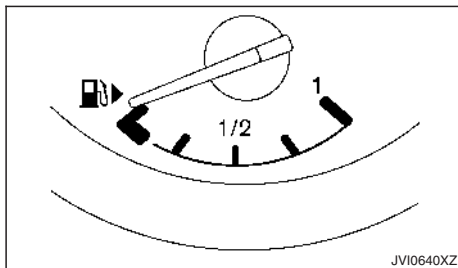
The engine coolant temperature will vary with the outside air temperature and driving conditions.

CAUTION

- If the gauge indicates the engine coolant temperature is near the hot (H) end of the normal range, reduce vehicle speed to decrease the temperature.
- If the gauge is over the normal range, stop the vehicle as soon as safely possible and let the engine idle.


- If the engine is overheated, continued operation of the vehicle may seriously damage the engine. (See "If your vehicle overheats" in the "6. In case of emergency" section for immediate action required.)


FUEL GAUGE



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

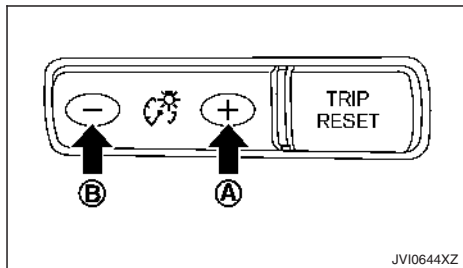
The arrow, , indicates the fuel-filler lid is located on the right side of the vehicle.

CAUTION

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

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

INSTRUMENT BRIGHTNESS CONTROL

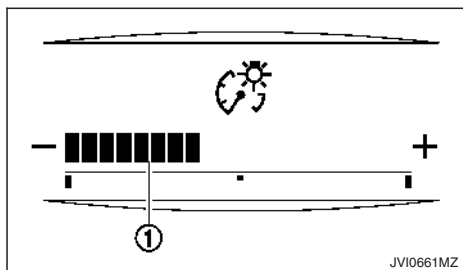


Push the - side of the switch **(B)** to dim the lights. The bar **(1)** moves to the - side.

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

DUAL CLUTCH TRANSMISSION (DCT) POSITION INDICATOR

































The position indicator indicates the shift lever position when the ignition switch is in the ON position.



The instrument brightness control switch can be operated when the ignition switch is in the ON position. When the switch is operated, the vehicle information display switches to the brightness adjustment mode.





Push the + side of the switch **(A)** to brighten the meter panel lights and instrument panel lights. The bar **(1)** moves to the + side.









WARNING LIGHTS, INDICATOR LIGHTS AND AUDIBLE REMINDERS

	Anti-lock Braking System (ABS) warning light		Automatic brake hold indicator (white)*		Hill Start Assist system on indicator light*
	Brake warning light (red)		Automatic brake hold indicator (green)*		High beam assist indicator light*
	Charge warning light		Dipped beam indicator light*		High beam indicator light
	Electric power steering warning light		Door lock indicator light*		Hill descent control system on indicator light*
	Electronic parking brake system warning light (yellow)*		ECO mode system indicator light*		Malfunction Indicator Light (MIL)
	Electronic Stability Programme (ESP) warning light		Electronic parking brake indicator light*		Rear fog light indicator light*
	Intelligent Emergency Braking (IEB) system warning light*		Electronic Stability Programme (ESP) off indicator light		Security indicator light
	Low tyre pressure warning light*		Front fog lights indicator light*		Small light indicator light
	Malfunction Warning Light (MWL) (red)*		Front passenger air bag status light		Trailer direction indicator light
	Master warning light		Front passenger air bag status light		Turn signals/hazard warning lights
	Seat belt warning light				
	Supplemental Restraint System (SRS) air bag warning light				

*: where fitted

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 come on: , , , .

The following lights (where fitted) will come on briefly and then go off: , , , , , , ,  (red).

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

Some indicators and warnings are also displayed on the vehicle information display between the speedometer and tachometer. (See "Vehicle information display" later in this section.)

WARNING LIGHTS



Anti-lock Braking System (ABS) warning light

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

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

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 brake pedal without the engine running and/or with a low brake fluid level could increase the stopping distance and require greater pedal travel distance and effort.**

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

Low brake fluid warning indicator:

When the ignition switch is placed in the ON position, the brake warning light illuminates, and then turns off (models equipped with electronic parking brake system).

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

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

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



Charge warning light

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

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

When the charge warning light illuminates while driving, stop the vehicle safely as soon as possible. Stop the engine and check the alternator belt. If the alternator belt is loose, broken or missing, the

charging system needs repair. (See "Drive belt" 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.



Electric power steering warning light

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

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

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

(See "Electric power steering system" in the "5. Starting and driving" section.)



Electronic parking brake system warning light (yellow) (where fitted)

The electronic parking brake system warning light functions for the electronic parking brake system. When the ignition switch is placed in the ON position, the light illuminates for a few seconds. If the warning light illuminates at any other time, it may indicate that the electronic parking brake system is not functioning properly. Have the brake system checked, and if necessary repaired, by a NISSAN dealer or qualified workshop promptly.



Electronic Stability Programme (ESP) warning light

When the ignition switch is in the ON position, the Electronic Stability Programme (ESP) warning light illuminates and then turns off.

The warning light blinks when the ESP system is operating.

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

If the ESP warning light illuminates 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. If a malfunction occurs, the ESP function is turned off, but the vehicle is still drivable. (See "Electronic Stability Programme (ESP) system" in the "5. Starting and driving" section.)



Intelligent Emergency Braking system warning light (where fitted)

When the ignition switch is in the ON position, the Intelligent Emergency Braking system warning light illuminates. After starting the engine, the warning light turns off.

This light illuminates when the Intelligent Emergency Braking system is set to OFF on the vehicle information display.

If the light illuminates when the Intelligent Emergency Braking system is ON, it may indicate that the system is unavailable. See "Intelligent Emergency Braking with pedestrian detection system (where fitted)" in the "5. Starting and driving" section for more details.



Low tyre pressure 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.

TPMS resetting must be also performed after a tyre or a wheel is replaced, or the tyres are rotated.

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 or qualified workshop 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 the light still illuminates while driving after adjusting the tyre pressure, a tyre may be flat or the TPMS may be malfunctioning. If you have a flat tyre, replace it with a spare tyre as soon as possible. If no tyre is flat and all tyres are properly inflated, have the vehicle checked by a NISSAN dealer or qualified workshop.**
- **After adjusting the tyre pressure, be sure to reset the TPMS. Otherwise, the TPMS will not warn of low tyre pressure.**

- **Since the spare tyre is not equipped with the TPMS, 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.**



Malfunction Warning Light (MWL) (red) (where fitted)

When the ignition switch is placed in the ON position, the Malfunction Warning Light (MWL) illuminates in red. This means that the system is operational. After starting the engine, the MWL turns off.

For the orange Malfunction Indicator Light (MIL), see "Malfunction Indicator Light (MIL)" later in this section for details.

If the MWL (red) illuminates continuously while the engine is running, it may indicate an engine control system malfunction. Have your vehicle inspected by a NISSAN dealer or qualified workshop. You do not need to have your vehicle towed to the dealer.

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.



Master warning light

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

- Steering lock release malfunction indicator
- No Key detected warning (where fitted)
- Key ID incorrect warning (where fitted)
- Shift to Park warning

- Door/back door open warning
- Low fuel warning
- Release parking brake warning
- Engine start operation indicator
- Key System Fault warning (where fitted)
- Low Tyre Pressure warning (where fitted)
- TPMS system fault (where fitted)
- DCT System Fault warning
- Low oil pressure Stop vehicle warning (where fitted)
- Tyre size incorrect warning (where fitted)
- Key battery low warning (where fitted)
- Battery Voltage Low Charge Battery warning
- Headlight system fault warning (where fitted)
- Chassis control system fault warning (where fitted)
- Second row seat belt warning (where fitted)
- Adaptive Front lighting System (AFS) warning (where fitted)
- Oil level sensor warning (where fitted)
- Parking Sensor System Fault warning (where fitted)
- System fault (where fitted)
- Press brake pedal warning (for electronic parking brake equipped models)
- Other warning

See "Vehicle information display" later in this section.



Seat belt warning light

When the ignition switch is in the ON position, the front seat belt warning light on the meter illuminates. The light will continue to illuminate until the driver's and/or front passenger's (where fitted) seat belts are 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 driver's and/or front passenger's (where fitted) seat belts are securely fastened. The chime will continue to sound for about 95 seconds until the seat belt is fastened. (See "Seat belts" in the "1. Safety – seats, seat belts and supplemental restraint system" section.)

For second row seats (where fitted), see "Vehicle information display warnings and indicators" later in this section.



Supplemental Restraint System (SRS) air bag warning light

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

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

Unless checked and repaired, the SRS air bag system and/or pre-tensioner seat belt may not function properly. (See “SRS air bag warning light” in the “1. Safety – seats, seat belts and supplemental restraint system” section.)

INDICATOR LIGHTS



Automatic brake hold indicator (white) (where fitted)

The automatic brake hold indicator (white) illuminates when the automatic brake hold system is in standby. (See “Automatic brake hold” in the “3. Pre-driving checks and adjustments” section.)



Automatic brake hold indicator (green) (where fitted)

The automatic brake hold indicator (green) illuminates while the automatic brake hold system is operating. (See “Automatic brake hold” in the “3. Pre-driving checks and adjustments” section.)



Dipped beam indicator light (where fitted)

The dipped beam indicator light illuminates when the headlight low beam is on. (See “Headlight switch” later in this section.)



Door lock indicator light (where fitted)

The door lock indicator light, located on the instrument panel, illuminates when all the doors are locked.

- With the ignition switch in the ON position, the door lock indicator light will illuminate and stay on when the doors are locked using the power door lock switch.
- With the ignition switch in the OFF or LOCK position, the door lock indicator light will operate as follows:
 - When the doors are locked with the power door lock switch, the door lock indicator light will illuminate for 30 minutes.
 - When the doors are locked by pushing the LOCK button (on the integrated key fob or Intelligent Key) or the request switch (Intelligent Key system equipped models), the door lock indicator light will illuminate for 1 minute.

The door lock indicator light turns off when any door is unlocked.

For locking or unlocking doors, see “Doors” in the “3. Pre-driving checks and adjustments” section.



ECO mode system indicator light (where fitted)

The ECO mode indicator light illuminates when the ECO mode system is turned on.

(See “ECO mode system (where fitted)” in the “5. Starting and driving” section.)



Electronic parking brake system indicator light (where fitted)

The electronic parking brake indicator light indicates that the electronic parking brake system is operating.

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

If the electronic parking brake indicator light illuminates or flashes while the electronic parking brake system warning light (yellow) illuminates, it may indicate that the electronic parking brake system is not functioning properly. Have the system checked, and if necessary repaired, by a NISSAN dealer or qualified workshop promptly.



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.

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.

For details, 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 “Front fog lights (where fitted)” later in this section.)

Front passenger air bag status light

The front passenger air bag status light ( OFF /  ON) located on the instrument panel will illuminate when the front passenger air bag is turned off with the front passenger air bag switch. When the front passenger air bag is turned on, the front passenger air bag status light () will illuminate.

For more details, see “Front passenger air bag status light” in the “1. Safety – seats, seat belts and supplemental restraint system” section.

Hill Start Assist system on indicator light (where fitted)

The light illuminates when the conditions of the Hill Start Assist system are satisfied when the vehicle is stopped on a hill.

Then, the light blinks when the brake pedal is released, which indicates that the Hill Start Assist system is activated.

For additional information, see “Hill Start Assist system” in the “5. Starting and driving” section.

High beam assist indicator light (where fitted)

The indicator light illuminates when the headlights come on while the headlight switch is in the AUTO position with the high beam selected. This indicates

that the high beam assist system is operational. (See “High beam assist (where fitted)” later in this 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 switch” later in this section.)

Hill descent control system on indicator light (where fitted)

When the ignition switch is placed in the ON position the hill descent control system on indicator light illuminates briefly and then turns off. This indicates that the hill descent control system is operational.

The light illuminates when the hill descent control system is activated.

If the hill descent control switch is on and the indicator light blinks, the system is not engaged.

If the indicator light does not illuminate or blink when the hill descent control switch is on, the system may not be functioning properly. Have the system checked by a NISSAN dealer or qualified workshop.

For additional information, see “Hill descent control system (where fitted)” in the “5. Starting and driving” section.

Malfunction Indicator Light (MIL)

CAUTION

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

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

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

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

Precautions:

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

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



Rear fog light indicator light

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




Security indicator light

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

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



Small light indicator light

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



Trailer direction indicator light

The light will illuminate whenever an additional electrical load is detected by the direction indicator system.

For additional information, see "Trailer towing" in the "5. Starting and driving" section.



Turn signals/hazard warning lights

The turn signals/hazard warning lights blink when the turn signal switch or hazard warning flasher switch is turned on. (See "Turn signal switch" later in this section or "Hazard warning 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.)

Door lock warning chime (where fitted)

When the chime sounds, be sure to check both the vehicle and the Intelligent Key. (See "Troubleshooting guide" in the "3. Pre-driving checks and adjustments" section.)

Light reminder chime

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

Be sure to turn the light switch to the OFF or AUTO (where fitted) position when you leave the vehicle.

Parking brake reminder chime

The chime will sound if the vehicle is driven at more than 4 km/h (2 MPH) with the parking brake applied. Stop the vehicle and release the parking brake.

Stop/Start System reminder buzzer (where fitted)

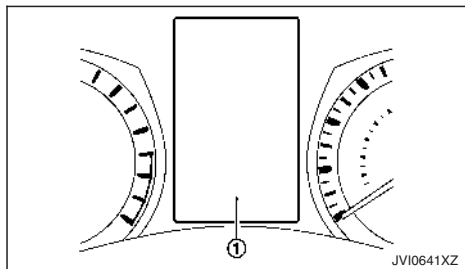
The engine will shift to the normal stopped state if any of the following operations is made during Stop/Start System activation, and the Stop/Start System buzzer will sound if:

- The vehicle engine bonnet is open.

Close the bonnet or the driver's door, or fasten the seat belt then restart the engine using the ignition switch.

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

VEHICLE INFORMATION DISPLAY



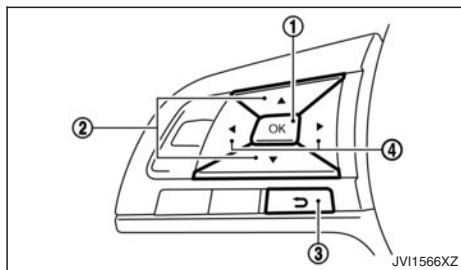
The vehicle information display ① is located between the tachometer and the speedometer. It displays the following items if the vehicle is equipped with them:




- Vehicle settings
- Trip computer information
- Driver Assistance
- Speed limiter information
- Cruise Control system information
- Intelligent Key operation information
- Audio information
- Navigation - turn by turn
- Indicators and warnings
- Tyre pressure information
- Chassis Control
- Other information




Please note that the information used in this manual is written in UK English. There are a few differences in the information for the UK and US English versions of the system.

For language settings, see "[Language] (where fitted)" later in this section.

HOW TO USE THE VEHICLE INFORMATION DISPLAY



The vehicle information display can be changed using the buttons <OK> ①,  ②,  ③ and  ④ located on the left side of the steering wheel.

- ① <OK> - change or select an item in the vehicle information display
- ②  - navigate through the items in the vehicle information display
- ③  - go back to the previous menu
- ④  - change from one display screen to the next (i.e. trip, Fuel economy)

The buttons on the steering wheel mounted controls are also used to control audio functions. For additional information, see "Steering wheel mounted controls for audio" in the "4. Display screen, heater and air conditioner, and audio system" section or the separate NissanConnect Owner's Manual (where fitted).

STARTUP DISPLAY

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

- Trip computer
- Fuel economy
- Warnings

Warnings will only display if there are any present.

For more information on warnings and indicators, see "Vehicle information display warnings and indicators" later in this section.

To control what items display in the vehicle information display, see "Settings" later in this section.


SETTINGS

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

- [Driver Assistance]
- [Clock]
- [Display Settings]
- [Vehicle Settings]
- [Maintenance]
- [Alert]
- [Tyre Pressures] (where fitted)


- [Units] (where fitted)
- [Language] (where fitted)
- [Factory Reset]

[Driver Assistance]

To change the status, warnings or turn on or off any of the systems/warnings displayed in the [Driver Assistance] menu, use the  buttons ② to select and the <OK> button ① to change a menu item:

- [Driving Aids] (where fitted)
- [Driver Attention] (where fitted)
- [Traffic Sign] (where fitted)
- [Parking Aids] (where fitted)
- [Chassis Control]

[Driving Aids] (where fitted):

To change the status, warnings or turn on or off any of the systems/warnings displayed in the [Driving Aids] menu, use the  buttons ② to select and the <OK> button ① to change a menu item:

- [Emergency Brake] (where fitted)
Press the <OK> button ① to turn the Intelligent Emergency Braking system ON/OFF.
- [Lane] (where fitted)
 - Warning
Press the <OK> button ① to turn the Lane Departure Warning (LDW) system ON/OFF.
- [Blind Spot] (where fitted)
 - Warning (where fitted)
Press the <OK> button ① to turn the Blind Spot Warning (BSW) system ON/OFF.

For additional information, see "Lane Departure Warning (LDW) (where fitted)" in the "5. Starting and driving" section, and "Blind Spot Warning (BSW) system (where fitted)" in the "5. Starting and driving" section.


[Driver Attention] (where fitted):

[Driver Attention] ON/OFF

[Traffic Sign] (where fitted):

[Traffic Sign] ON/OFF


[Parking Aids] (where fitted):

To change the status or turn on or off any of the systems displayed in the [Parking Aids] menu, use the  buttons ② to select and the <OK> button ① to change a menu item:

- [Moving Object] (where fitted)
Press the <OK> button ① to turn the Moving Object Detection (MOD) (where fitted) ON/OFF.
- [Cross Traffic] (where fitted)
Press the <OK> button ① to turn the Rear Cross Traffic Alert (RCTA) (where fitted) ON/OFF.
- [Front Sensor] (where fitted)
Press the <OK> button ① to turn ON/OFF.
- [Rear Sensor] (where fitted)
Press the <OK> button ① to turn ON/OFF.
- [Display] (where fitted)
Press the <OK> button ① to turn ON/OFF.
- [Volume] (where fitted)
 - [High]/[Med.]/[Low]
- [Range] (where fitted)
 - [Far]/[Mid.]/[Near]

For additional information, see "Rear Cross Traffic Alert (RCTA) (where fitted)" in the "5. Starting and driving" section, "Parking sensor system (where fitted)" in the "5. Starting and driving" section and "Intelligent Around View Monitor (where fitted)" in the "4. Display screen, heater and air conditioner, and audio system" section.

[Chassis Control]:



To change the status, warnings or turn on or off any of the systems/warnings displayed in the [Chassis Control] menu, use the  buttons ② to select and the <OK> button ① to change a menu item:

- [Trace Control]
 - See "Intelligent Trace Control" in the "5. Starting and driving" section for more information.
Press the <OK> button ① to turn ON/OFF.
- [Engine Brake] (where fitted)
 - See "Intelligent Engine Brake" in the "5. Starting and driving" section for more information.
Press the <OK> button ① to turn ON/OFF.

[Clock]

For models without NissanConnect navigation or audio system:

Set Clock:

The clock setting can be changed using the  ④,  ② and the <OK> ① buttons.

12H/24H:

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

For models with NissanConnect navigation or audio system:

Automatic Time:

The adjustment settings can be selected from:

- [Auto]
- [Manual]
- [Time Zone]

12H/24H:

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

D.S.T.:

Turns the Daylight Savings Time on or off.

Time Zone:

Select the applicable time zone from the list.

Set Clock Manually:

The clock can be adjusted manually using the ◀ ▶ ④ ⬆ ② and the OK ① buttons.

NOTE

The clock is synchronized with the clock on the centre display. To set the clock on the centre display, see the separate NissanConnect Owner's Manual.

For models with navigation or audio system (except for NissanConnect):

To set the clock, see "Audio main operation" in the "4. Display screen, heater and air conditioner, and audio system" section or the separate Navigation System Owner's Manual (where fitted).

[Display Settings]

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

The display settings can be changed using the ⬆ ② and the <OK> ① buttons.

[Contents Selection]:

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

[Body Colour]:

The colour of the vehicle that displays in the vehicle information display when the ignition switch is placed in the ON position can be changed.

1. Use the ⬆ ② buttons until [Body Colour] is selected, and press the <OK> button ①.
2. Select the body colour using the ⬆ ② buttons ② and press the <OK> button ①.

[ECO Mode Settings] (where fitted):

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

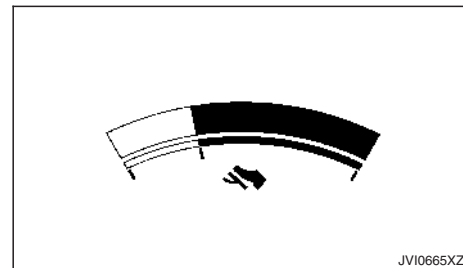
Use the ⬆ ② buttons until [ECO Mode Settings] is selected, and press the <OK> button ①.

[Eco Glow]:

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

1. Use the ⬆ ② buttons ② to select [Eco Glow].
2. Press the <OK> button ① to turn ON/OFF the ambient ECO in the vehicle information display.

[Display]:



This setting allows the customer to enable/disable the ECO pedal guide function.

1. Use the ⬆ ② buttons to select [Display].
2. Press the <OK> button ① to select [Pedal Guide] or [Fuel Econ.].

For detailed information, see "ECO mode system (where fitted)" in the "5. Starting and driving" section.

[Stop/Start] (where fitted):

To change the status, warnings or turn on or off any of the systems/warnings displayed in the [Stop/Start] menu, use the ⬆ ② buttons to select and the <OK> button ① to change a menu item:

- [Display]
 - Stop/Start display ON/OFF

- [Trip CO2 Saving]

The Trip CO2 saving and engine stop time mode shows the CO2 saving and engine stop time since the last reset. The CO2 saving and engine stop time can be reset by pushing the <OK> button ①.

- [Total CO2 Saving]

The Total CO2 saving and engine stop time mode shows:

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


NOTE

The Total CO2 saving and engine stop time values cannot be reset and show accumulated Stop/Start System information since the vehicle was built.

[ECO Drive Report] (where fitted):

[Display]:

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

1. Use the  buttons ② to select [ECO Drive Report].
2. Press the <OK> button ① to turn ON/OFF the ECO management display in the vehicle information display.



[View History]:

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

[Welcome Effect]:

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


- [Dial and Pointer]
- [Display Effect]

Select [Welcome Effects] using the  buttons ② and press the <OK> button ① to select this menu. Use the  buttons ② to navigate between the menu options and press the <OK> button ① to turn each function ON/OFF.

[Vehicle Settings]

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

- [Lighting]
- [Turn Indicator]
- [Unlocking]
- [Wipers]
- [Mirrors]

The vehicle settings can be changed using the  ② and the <OK> ① buttons.

[Lighting]:

The [Lighting] menu has the following options:


- [Welcome Light]

The welcome lighting can be set to be ON or OFF. From the [Lighting] menu, select [Welcome Light]. Use the <OK> button ① to turn this feature ON or OFF.

- [Int. Lamp Timer]

The internal light timer can be set to be ON or OFF. From the [Lighting] menu, select [Int. Lamp Timer]. Use the <OK> button ① to turn this feature ON or OFF.

- [Auto Lights]

The sensitivity of the Auto Light or the Intelligent Auto Headlight can be adjusted. From the [Lighting] menu, select [Auto Lights]. Use the  buttons ② and the <OK> button ① to select the required sensitivity. The following options are available:

- [On Earliest]
- [On Earlier]
- [Standard]
- [On Later]

- [Headlight Off Delay] (where fitted)

The duration of the automatic headlights can be changed from 0 to 180 seconds. From the [Lighting] menu, select [Headlight Off Delay]. Use the <OK> button ① to change the duration.

[Turn Indicator]:

The [3 Flash On] overtaking feature can be set to be ON or OFF. From the [Turn Indicator] menu, select [3 Flash On]. Use the <OK> button ① to turn this feature ON or OFF.

[Unlocking] (where fitted):

There are the following options in the [Unlocking] menu:

- [I-Key Door Lock] (where fitted)

When this item is turned on, the request switch on the door is activated. From the [Unlocking] menu, select [I-Key Door Lock]. Use the <OK> button ① to activate or deactivate this function.

- [Selective Unlock] (where fitted)

When this item is turned on, and the door handle request switch on the driver's or front passenger's side door is pushed, only the corresponding door is unlocked. All the doors can be unlocked if the door handle request switch is pushed again within 1 minute. When this item is turned off, all the doors will be unlocked when the door handle request switch is pushed once. From the [Unlocking] menu, select [Selective Unlock]. Use the <OK> button ① to activate or deactivate this function.

- [Answer Bk. Horn] (where fitted)

When the answer back horn is on, the horn will chirp and the hazard indicators will flash once when locking the vehicle with the Intelligent Key or remote keyless entry function.

[Wipers]:

- [Speed Dependent] (where fitted)

The [Speed Dependent] feature can be activated or deactivated. From the [Wipers] menu, select [Speed Dependent]. Use the <OK> button ① to turn this feature ON or OFF.

- [Auto Wipe] (where fitted)

The [Auto Wipe] feature can be activated or deactivated. From the [Wipers] menu, select [Auto Wipe]. Use the OK button to turn this feature ON or OFF.

- [Rain Sensor] (where fitted)

The [Rain Sensor] feature can be activated or deactivated. From the [Wipers] menu, select [Rain Sensor]. Use the <OK> button ① to turn this feature ON or OFF.

- [Reverse Link]

The [Reverse Link] wiper feature can be set to be ON or OFF. From the [Wipers] menu, select [Reverse Link]. Use the <OK> button ① to turn this feature ON or OFF.

- [Drip Wipe]

The [Drip Wipe] feature can be set to be ON or OFF. From the [Wipers] menu, select [Drip Wipe]. Use the <OK> button ① to turn this feature ON or OFF.

[Mirrors] (where fitted):

- [Auto Fold Off]

When this item is turned on, the auto fold feature for the outside rearview mirrors is disabled. Use the <OK> button ① to select this function.

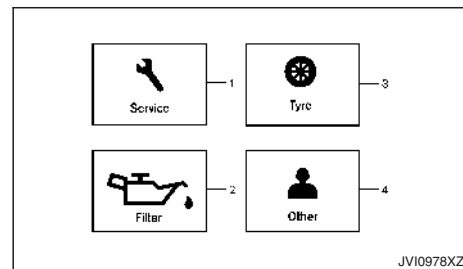
- [Unfold at Ignition]

When this item is turned on, the outside rearview mirrors automatically fold when the ignition switch is placed in the OFF position, and unfold when the ignition switch is placed in the ON position. Use the <OK> button ① to select this function.

- [Unfold at Unlock]


When this item is turned on, the outside rearview mirrors automatically fold when the vehicle doors are locked, and unfold when the vehicle doors are unlocked. Use the <OK> button ① to select this function.

[Maintenance]



1. [Service]
2. [Filter] (where fitted)
3. [Tyre]
4. [Other]

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

Select [Maintenance] using the  buttons ② and press the <OK> button ①.

[Service]:

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

[Filter] (where fitted):

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

[Tyre]:

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

WARNING

The tyre replacement indicator is not a substitute for regular tyre checks, including tyre pressure checks. See "Changing tyres and wheels" in the "8. Maintenance and do-it-yourself" section. Many factors including tyre inflation, alignment, driving habits and road conditions affect tyre wear and when tyres should be replaced. Setting the tyre replacement indicator for a certain driving distance does not mean your tyres will last that long. Use the tyre replacement indicator as a


guide only and always perform regular tyre checks. Failure to perform regular tyre checks, including tyre pressure checks could result in tyre failure. Serious vehicle damage could occur and may lead to a collision, which could result in serious personal injury or death.

[Other]:

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


[Alert]

This setting allows the customer to set alarms.

Select [Alert] using the  buttons ② and press the <OK> button ①.


[Outside Temp.] (where fitted):


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

1. Use the  buttons ② to select [Outside Temp.].
2. Press the <OK> button ① to turn the alert ON/OFF.

[Timer]:


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

1. Use the  buttons ② to select [Timer].
2. Press the <OK> button ①.

3. To change the timer amount, use the  buttons ② and the <OK> button ① to save the selected time amount.


[Navigation] (where fitted):

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

1. Use the  buttons ② to select [Navigation].
2. Press the <OK> button ① to turn the alert ON or OFF.


[Phone] (where fitted):

This setting allows the customer to enable/disable the alert for an incoming call in the vehicle information display.

1. Use the  buttons ② to select [Phone].
2. Press the <OK> button ① to turn the alert ON or OFF.

[Mail] (where fitted):

This setting allows the customer to enable/disable the alert for an incoming mail in the vehicle information display.

1. Use the  buttons ② to select [Mail].
2. Press the <OK> button ① to turn the alert ON or OFF.


[Tyre pressures] (where fitted)

The settings in the [Tyre Pressures] menu are all related to the Tyre Pressure Monitoring System (TPMS). (See "Tyre Pressure Monitoring System (TPMS) (where fitted)" in the "6. In case of emergency" section, "Tyre Pressure Monitoring System (TPMS) (where fitted)" in the "5. Starting and driving" section and "Tyre Pressure Monitoring System (TPMS) (where fitted)" in the "8. Maintenance and do-it-yourself" section.)

- [Target Front]
- [Target Rear]
- [Tyre Pressure Unit]
- [Calibrate]


[Target Front]:

The [Target Front] tyre pressure is the pressure specified for the front tyres on the tyre placard. (See "Tyre Pressure Monitoring System (TPMS) (where fitted)" in the "5. Starting and driving" section and "Tyre placard" in the "9. Technical information" section.)

Use the  ② and the <OK> ① buttons to select and change the value for the [Target Front] tyre pressure.

[Target Rear]:


The [Target Rear] tyre pressure is the pressure specified for the rear tyres on the tyre placard. (See "Tyre Pressure Monitoring System (TPMS) (where fitted)" in the "5. Starting and driving" section and "Tyre placard" in the "9. Technical information" section.)

Use the  ② and the <OK> ① buttons to select and change the value for the [Target Rear] tyre pressure.

Tyre Pressure Unit:

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

- [kPa]
- [bar]
- [psi]
- [Kgf/cm2]

Use the  ② and the <OK> ① buttons to select and change the unit.

If necessary, refer to the following table to convert between units.




kPa	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340
psi	29	30	32	33	35	36	38	39	41	42	44	45	46	48	49
bar	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4
kgf/cm ²	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4

NIC3555

Calibrate:

The tyre pressure is affected by the temperature of the tyre; the tyre temperature increases when the car is driven. To be able to accurately monitor the tyre air leakage and to prevent false TPMS warnings due to changes in temperature, the TPMS system uses temperature sensors in the tyres to perform temperature compensation calculations.




On rare occasions it may be necessary to recalibrate the TPMS system reference temperature. This operation should only be performed when the actual tyre pressure has been adjusted, while the current ambient temperature is significantly different to the current calibration temperature. (See "Tyre Pressure Monitoring System (TPMS) (where fitted)" in the "5. Starting and driving" section).

Use the   and the <OK>  buttons to start or cancel the calibration process. While the calibration process is active, the message: [Resetting tyre pressure system] will be displayed.

[Units] (where fitted)

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




- [Distance/Fuel]
- [Tyre pressures] (where fitted)
- [Temperature]

Use the   and the <OK>  buttons to select and change the units of the vehicle information display.

[Distance/Fuel]:

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

- [km, l/100km]
- [km, km/l]
- [miles, MPG (UK)] (where fitted)
- [miles, MPG (US)] (where fitted)

Use the   and the <OK>  buttons to select and change the unit.

Tyre pressures (where fitted):

For more details, see "Tyre Pressure Unit" earlier in this section.

[Temperature]:




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

- [°C (Celsius)]
- [°F (Fahrenheit)]

Use the  buttons  to toggle choices.

[Language] (where fitted)

The language of the vehicle information display can be changed.





Use the   and the <OK>  buttons to select and change the language of the vehicle information display. The language of the centre display/navigation can be changed independently of the vehicle information display.

For models with Navigation System, see the NissanConnect Owner's Manual.

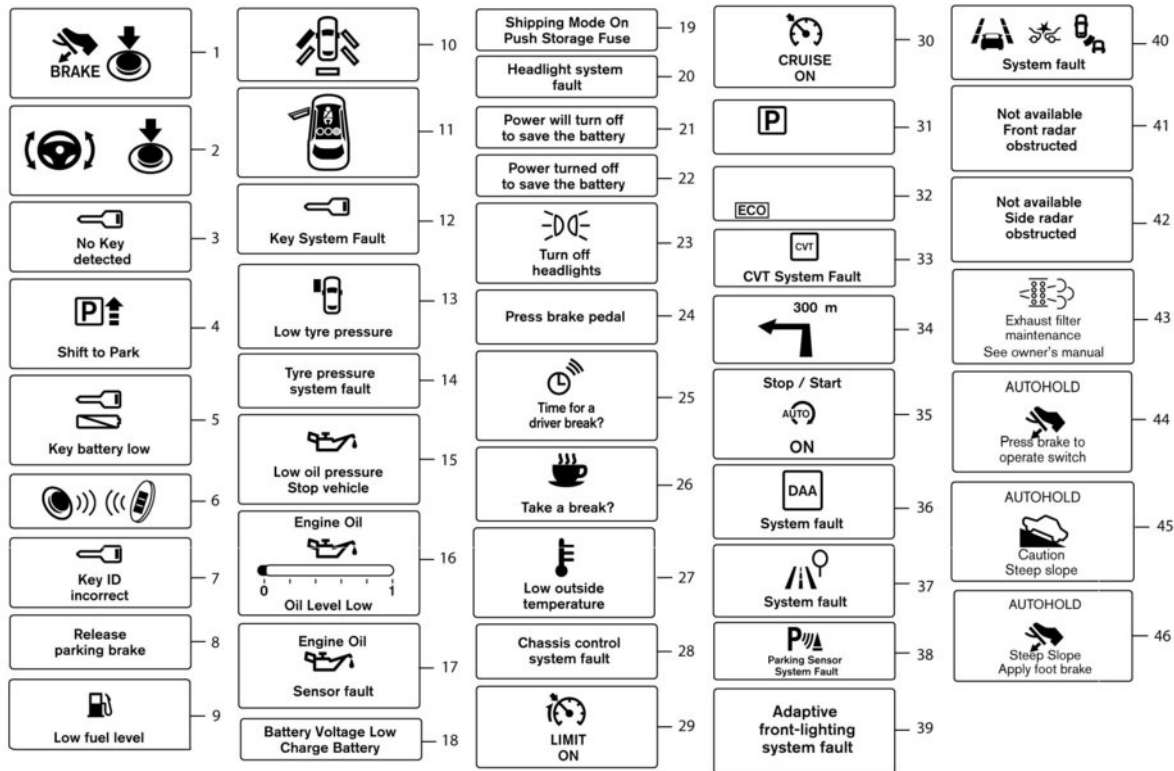
For models without Navigation System, see "Audio system (where fitted)" in the "4. Display screen, heater and air conditioner, and audio system" section or the NissanConnect Owner's Manual.

[Factory Reset]

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

1. Select [Factory Reset] using the  buttons  and press the <OK> button .
2. Select [Yes] to return all settings back to default by pressing the <OK> button .

VEHICLE INFORMATION DISPLAY WARNINGS AND INDICATORS



NIC3947

1. Engine start operation indicator

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

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

2. Steering lock release malfunction indicator

This indicator appears when the steering lock cannot be released.

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

For more details, see "Steering lock" in the "5. Starting and driving" section.

3. No Key detected warning (where fitted)

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

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

4. Shift to Park warning

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

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

An inside warning chime will also sound.

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

5. Key battery low warning (where fitted)

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

If this indicator appears, replace the battery with a new one.

For more details, see "Battery replacement" in the "8. Maintenance and do-it-yourself" section.

6. Engine start operation for Intelligent Key system indicator (where fitted)

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

If this indicator appears, touch the ignition switch with the Intelligent Key while depressing the brake pedal.

For more details, see "Intelligent Key battery discharge" in the "5. Starting and driving" section.

7. Key ID incorrect warning (where fitted)

This warning appears when the ignition switch is placed 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.

8. Release parking brake warning

This warning appears when the vehicle speed is above 4 km/h (2 MPH) and the parking brake is applied. Stop the vehicle and release the parking brake.

9. Low fuel level warning

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

10. Door/back door open warning

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

11. Second row seat belt warning (where fitted)

This second row seat belt warning appears after the ignition switch is placed in the ON position. If any of the second row seat passenger seat belts is not fastened, a chime will sound and the seat icon illuminates in red to show which seat belt is not fastened. The seat icon illuminates in red until the corresponding second row seat passenger's seat belt is fastened. The warning will automatically turn off after approximately 35 seconds.

For more details and precautions on seat belt usage, see "Seat belts" in the "1. Safety – seats, seat belts and supplemental restraint system" section.

12. Key System Fault warning (where fitted)

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

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

13. Low tyre pressure warning (where fitted)

This warning ([Low tyre pressure] and a vehicle icon - where fitted) appears when the low tyre pressure warning light in the meter illuminates and low tyre pressure is detected. The warning appears each time the ignition switch is placed in the ON position as long as the low tyre pressure warning light remains illuminated. If this warning appears, stop the

vehicle and adjust the pressure to the recommended COLD tyre pressure shown on the tyre placard.

For more details, see "Low tyre pressure warning light (where fitted)" earlier in this section, "Tyre Pressure Monitoring System (TPMS) (where fitted)" in the "6. In case of emergency" section, "Tyre Pressure Monitoring System (TPMS) (where fitted)" in the "5. Starting and driving" section and "Tyre Pressure Monitoring System (TPMS) (where fitted)" in the "8. Maintenance and do-it-yourself" section.

14. Tyre pressure system fault warning (where fitted)

This warning illuminates when there is a malfunction in the Tyre Pressure Monitoring System (TPMS). If this warning comes on, have the system checked by a NISSAN dealer or qualified workshop.

For more details, see "Low tyre pressure warning light (where fitted)" earlier in this section, "Tyre Pressure Monitoring System (TPMS) (where fitted)" in the "6. In case of emergency" section, "Tyre Pressure Monitoring System (TPMS) (where fitted)" in the "5. Starting and driving" section and "Tyre Pressure Monitoring System (TPMS) (where fitted)" in the "8. Maintenance and do-it-yourself" section.

15. Low oil pressure Stop vehicle warning (where fitted)

This warning appears if low engine oil pressure is detected. If the warning appears during normal driving, pull off the road in a safe area, stop the engine immediately and call a NISSAN dealer or qualified workshop.

The low oil pressure warning is not designed to indicate a low oil level. Use the dipstick to check the oil level.

For more details, see "Engine oil" in the "8. Maintenance and do-it-yourself" section.

CAUTION

Running the engine with the engine oil pressure warning displayed could cause serious damage to the engine.

16. Oil Level Low indicator (where fitted)

If the low level indicator is displayed, the engine oil level is low. If the low level reminder is displayed, check the level using the engine oil dipstick.

For more details, see "Engine oil" in the "8. Maintenance and do-it-yourself" section.

CAUTION

The oil level should be checked regularly using the engine oil dipstick. Operating with an insufficient amount of oil can damage the engine and such damage is not covered by the warranty.

17. Oil level sensor warning (where fitted)

If the oil sensor warning is displayed, the engine oil level sensor may be malfunctioning. Contact a NISSAN dealer or qualified workshop immediately.

For more details, see "Oil control system (where fitted)" later in this section.

18. Battery Voltage Low Charge Battery warning

This warning appears when the battery voltage is low and the battery needs to be charged.

19. Shipping Mode On Push Storage Fuse warning

This warning may appear if the extended storage fuse switch is not pushed in (switched on). When this warning appears, push in (switch on) the extended storage fuse switch to turn off the warning.

For more details, see "Extended storage fuse switch" in the "8. Maintenance and do-it-yourself" section.

20. Headlight system fault warning (where fitted)

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

21. Power will turn off to save the battery warning

This warning appears after a period of time if the shift lever has not moved from the P (Park) position while the ignition switch is in the ON position for a certain period of time.

22. Power turned off to save the battery warning

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

23. Turn off headlights warning

This warning appears when the driver side door is opened with the headlight switch left ON and the ignition switch placed in the OFF or LOCK position. Place the headlight switch in OFF or AUTO (where fitted) position.

For more details, see "Headlight and turn signal switch" later in this section.

24. Press brake pedal warning

This indicator appears in the following situations:

- The driver tries to release the electronic parking brake manually without depressing the brake pedal.
- The vehicle is stopped on a steep hill and there is a possibility of moving backward, even if the electronic parking brake is applied.
- This warning appears if the vehicle moves while the automatic brake hold is activated.

25. Time for a driver break? indicator (where fitted)

This indicator appears when the set [Time for a driver break?] indicator activates. You can set the time for up to 6 hours.

26. Take a break? indicator (where fitted)

This indicator appears when the set [Take a break?] indicator activates. You can set the time for up to 6 hours.

27. Low outside temperature warning (where fitted)

This warning appears if the outside temperature is below 3°C (37°F). The warning can be set not to be displayed.

28. Chassis control system fault warning

This warning appears if the chassis control module detects an error in the chassis control system. Have the system checked by a NISSAN dealer or qualified workshop.

For more details, see "Chassis control" in the "5. Starting and driving" section.

29. Speed limiter indicator (where fitted)

This indicator shows the speed limiter system status. The status is shown by the colour.

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

30. Cruise indicator (where fitted)

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

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

31. Position indicator

This indicator shows the automatic shift position.

In the manual shift mode, when the transmission does not shift to the selected gear due to a transmission protection mode, the position indicator will blink and a chime will sound.

For more details, see "DRIVING WITH DUAL CLUTCH TRANSMISSION (DCT)" in the "5. Starting and driving" section.

32. ECO mode system indicator (where fitted)

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

For more details, see "ECO mode system (where fitted)" in the "5. Starting and driving" section.

33. DCT System Fault warning

This warning appears when there is a malfunction with the DCT system. If this warning comes on, have the system checked by a NISSAN dealer or qualified workshop.

34. Navigation indicator (where fitted)

This indicator appears when a corner point is coming.

35. Stop/Start System indicator (where fitted)

This indicator shows the Stop/Start System status.

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

36. System fault warning (where fitted)

This warning appears when the Intelligent Driver Alertness system malfunctions.

For more details, see "Intelligent Driver Alertness (where fitted)" later in this section.

37. System fault warning (where fitted)

This warning appears when the Traffic Sign Recognition system malfunctions.

For more details, see "Traffic Sign Recognition (TSR) (where fitted)" later in this section.

38. Parking Sensor System Fault warning (where fitted)

This warning illuminates when there is a problem with the parking sensor (sonar) system. If this warning comes on, have the system checked by a NISSAN dealer or qualified workshop.

39. Adaptive Front lighting System (AFS) warning (where fitted)

This warning appears when the Adaptive Front lighting System (AFS) is not functioning properly. Have the system checked by a NISSAN dealer or qualified workshop. (See "Adaptive Front lighting System (AFS) (where fitted)" later in this section.)

40. System fault warning (where fitted)

This indicator shows the status of the following systems if the vehicle is equipped with them.

- Lane Departure Warning (LDW)
- Blind Spot Warning (BSW)
- Rear Cross Traffic Alert (RCTA)
- Intelligent Emergency Braking with pedestrian detection

For more details, see "Blind Spot Warning (BSW) system (where fitted)" in the "5. Starting and driving" section, "Rear Cross Traffic Alert (RCTA) (where fitted)" in the "5. Starting and driving" section or "Intelligent Emergency Braking with pedestrian detection system (where fitted)" in the "5. Starting and driving" section.

41. Not available Front radar obstructed warning (where fitted)

This message appears when the Intelligent Emergency Braking system becomes unavailable because the front radar is obstructed. For more details, see "Intelligent Emergency Braking with pedestrian detection system (where fitted)" in the "5. Starting and driving" section.

42. Not available Side radar obstructed warning (where fitted)

This message appears when the Blind Spot Warning (BSW)/Rear Cross Traffic Alert (RCTA) system becomes unavailable because a radar blockage is detected. For more details, see "Blind Spot Warning (BSW) system (where fitted)" in the "5. Starting and driving" section or "Rear Cross Traffic Alert (RCTA) (where fitted)" in the "5. Starting and driving" section.

43. Exhaust filter maintenance warning (where fitted)

If your vehicle is fitted with a petrol engine, your vehicle may also be fitted with a Gasoline Particulate Filter (GPF). Under certain less-favourable driving conditions, the GPF may become saturated or clogged because these driving conditions prevent automatic regeneration of the filter. In this case, a warning message will be displayed in the vehicle information display. For additional details, see "Gasoline particulate filter (GPF) (where fitted)" in the "5. Starting and driving" section.

44. Press brake pedal to operate switch warning (where fitted)

This warning appears if the automatic brake hold switch is pushed without depressing the brake pedal while the automatic brake hold function is activated. Depress the brake pedal and push the switch to deactivate the automatic brake hold function. For more details, see "Automatic brake hold" in the "3. Pre-driving checks and adjustments" section.

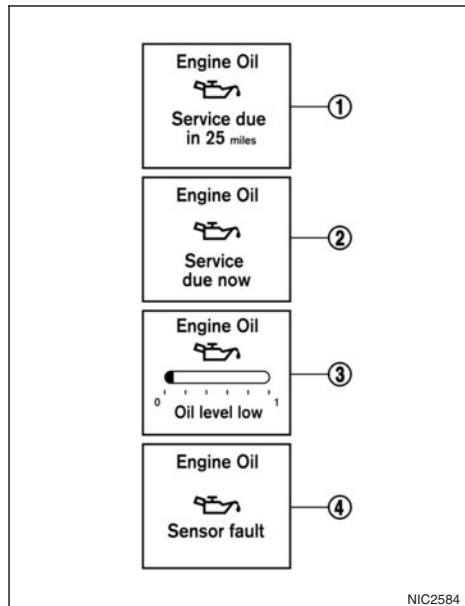
45. AUTO HOLD Caution Steep Slope indicator (where fitted)

This indicator appears when the automatic brake hold function is activated while the vehicle is on a steep hill.

46. AUTO HOLD Steep Slope Apply Foot Brake indicator (where fitted)

This warning appears before the electronic parking brake is applied and the brake force of the automatic brake hold function is released when the vehicle is on a steep hill, to prevent the vehicle rolling away.

OIL CONTROL SYSTEM (where fitted)



When the ignition switch is in the ON position, the engine oil information is displayed.

The engine oil information informs the distance to oil change, oil level indication and malfunction of the oil level sensor.

1. Distance to oil change

The distance to oil change is displayed if the distance to oil change is less than 1,500 km (930 miles).

2. Oil replacement indicator

When the set mileage approaches, the engine oil replacement indicator will appear on the display. After the oil is changed, reset the distance to oil change. The oil replacement indicator will not be reset automatically. To reset this indicator, see "Settings" earlier in this section.

The distance to oil change interval cannot be adjusted manually. The distance to oil change interval is set automatically.

CAUTION

If the oil replacement indicator is displayed, change the engine oil as soon as possible. Operating your vehicle with deteriorated oil can damage the engine.

3. Low level reminder

If the low level indicator is displayed, the engine oil level is low. If the low level reminder is displayed, check the level using the engine oil dipstick.

For more details, see "Engine oil" in the "8. Maintenance and do-it-yourself" section.

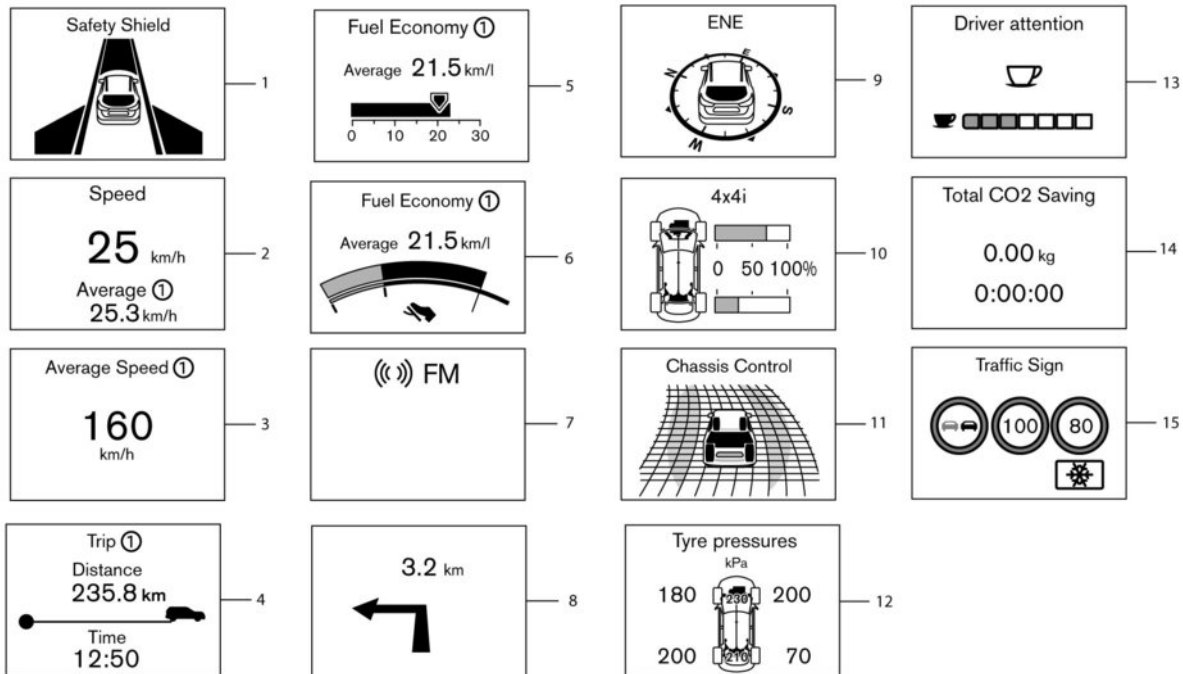
CAUTION

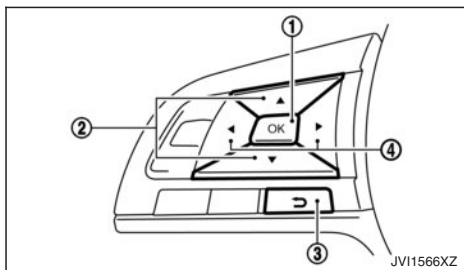
The oil level should be checked regularly using the engine oil dipstick. Operating with an insufficient amount of oil can damage the engine and such damage is not covered by the warranty.

4. Oil level sensor warning

If the oil sensor warning is displayed, the engine oil level sensor may be malfunctioning. Contact a NISSAN dealer or qualified workshop immediately.

TRIP COMPUTER





The trip computer display can be changed using the buttons located on the left side of the steering wheel.

- ① OK - changes or selects an item in the trip computer display
- ② - navigates through the items in trip computer display
- ③ - goes back to the previous menu
- ④ - changes from one display screen to the previous or next screen.

1. Safety shield (where fitted)

The driving aids mode shows the operating condition for the following systems.

- Lane Departure Warning (LDW) (where fitted)
- Blind Spot Warning (BSW) (where fitted)
- Intelligent Emergency Braking (where fitted)

For more details, see "Blind Spot Warning (BSW) system (where fitted)" in the "5. Starting and driving" section, "Rear Cross Traffic Alert (RCTA) (where fitted)" in the "5. Starting and driving" section or "In-

telligent Emergency Braking with pedestrian detection system (where fitted)" in the "5. Starting and driving" section.

2. Speed and Average speed 1 and 2 (km/h or MPH) (where fitted)

The (digital) speed shows the current speed at which the vehicle is travelling.

The average speed 1 mode shows the average vehicle speed since the last reset. The average speed 2 mode shows the average vehicle speed since the time the ignition switch was turned ON. The average speed 2 is automatically reset each time the ignition switch is placed in the OFF position.

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

- Cancel
 - Return to the previous screen without resetting.
- Average speed
 - Reset the average speed.
- All
 - Reset all items of [Average Speed], [Elapsed time and trip odometer] and [Fuel economy].

Once the [Average speed 1] is displayed, you can use the buttons ② to switch between the [Average speed 1] and [Average speed 2].

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

3. Average speed 1 and 2 (km/h or MPH) (where fitted)

The average speed 1 mode shows the average vehicle speed since the last reset. The average speed 2 mode shows the average vehicle speed since the time the ignition switch was turned ON. The average speed 2 is automatically reset each time the ignition switch is placed in the OFF position.

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

- Cancel
 - Return to the previous screen without resetting.
- Average speed
 - Reset the average speed.
- All
 - Reset all items of [Average Speed], [Elapsed time and trip odometer] and [Fuel economy].

Once the [Average speed 1] is displayed, you can use the buttons ② to switch between the [Average speed 1] and [Average speed 2].

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

4. Elapsed time and trip odometer 1 and 2 (km or mile)

Elapsed time:

The elapsed time 1 mode shows the time since the last reset. The elapsed time 2 mode shows the elapsed time since the time the ignition switch was placed in the ON. (The trip odometer is also reset at the same time.)

Trip odometer:


The trip odometer 1 mode shows the total distance the vehicle has been driven since the last reset. The trip odometer 2 mode shows the total distance the vehicle has been driven since the time the ignition switch was placed in the ON. (The elapsed time is also reset at the same time.)

The elapsed time 2 and trip odometer 2 is automatically reset each time the ignition switch is placed in the OFF position.

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

- Cancel
 - Return to the previous screen without resetting.
- Distance
 - Reset the elapsed time and trip odometer.
- All
 - Reset all items of [Average Speed], [Elapsed time and trip odometer] and [Fuel economy].

Once the [Elapsed time and trip odometer 1] is displayed,

you can use the  buttons ② to switch between the [Elapsed time and trip odometer 1] and [Elapsed time and trip odometer 2].

5-6. Fuel economy/ECO pedal guide 1 and 2 (l (litre)/100 km, km/l (litre) or MPG)


Current fuel consumption:

The current fuel consumption mode shows the current fuel consumption.

Average fuel consumption:

The average fuel consumption 1 mode shows the average fuel consumption since the last reset. The average fuel consumption 2 mode shows the average fuel consumption since the time the ignition switch was turned ON. The average fuel consumption 2 is automatically reset each time the ignition switch is placed in the OFF position.

- Cancel
 - Return to the previous screen without resetting.
- Fuel economy
 - Reset the fuel economy.
- All
 - Reset all items of [Average Speed], [Elapsed time and trip odometer] and [Fuel economy].

Once the [Fuel economy 1] is displayed, you can use the  buttons ② to switch between the [Fuel economy 1] and [Fuel economy 2].

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

7. Audio (where fitted)

The audio mode shows the status of audio information.

8. Navigation (where fitted)

When the route guidance is set in the navigation system, this item shows the navigation route information.

9. Compass (where fitted)

This display indicates the heading direction of the vehicle.

10. Intelligent 4x4 torque distribution display (where fitted)

When the Intelligent 4x4 torque distribution display is selected, you can view the distribution ratio of the transmission torque to the front and rear wheels during driving.

11. Chassis control

When the Intelligent Trace Control, Intelligent Engine Brake or Intelligent Ride Control system is operated, it shows the operating condition. It also shows operating condition of Hill Start Assist or the Hill Descent Control. The operating condition of the automatic brake hold system (where fitted) is also shown.

See “Intelligent Trace Control” in the “5. Starting and driving” section, “Intelligent Engine Brake” in the “5. Starting and driving” section, “Intelligent Ride Control” in the “5. Starting and driving” section, “Hill Start Assist system” in the “5. Starting and driving” section and “Hill descent control system (where fitted)” in the “5. Starting and driving” section for more details.

12. Tyre pressures (where fitted)

The tyre pressure mode shows the pressure of all four tyres while the vehicle is driven.

When the Low Tyre Pressure warning appears, the display can be switched to the tyre pressure mode by pushing the <OK> button ① to reveal additional details on the displayed warning.

13. Intelligent Driver Alertness system (where fitted)

When the [Driver Attention] display is selected, you can view your attention level as detected by the system. For more information, see "Intelligent Driver Alertness (where fitted)" later in this section.

14. Stop/Start System (where fitted)

The Stop/Start System mode shows the CO₂ or fuel savings and the engine stop time. For more details, see "Stop/Start System (where fitted)" in the "5. Starting and driving" section.

Trip CO₂ or fuel saving and engine stop time:

The trip CO₂ or fuel saving and engine stop time mode shows the amount of CO₂ or fuel saved and the engine stop time since the last reset.

The CO₂ or fuel saving and engine stop time can be reset by pushing the <OK> button ① in the Stop/Start menu.

For more information, see "[Stop/Start] (where fitted)" earlier in this section.

Total CO₂ or fuel saving and engine stop time:

The total CO₂ or fuel saving and engine stop time mode shows:

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

NOTE

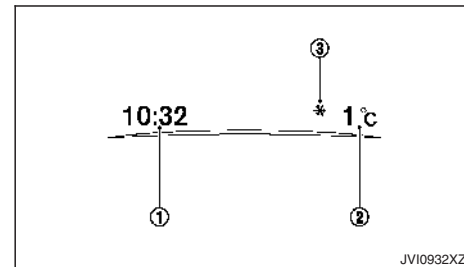
The Total CO₂ or fuel saving and engine stop time values cannot be reset and show accumulated Stop/Start System information since the vehicle was built.

15. Traffic Sign Recognition (where fitted)

The Traffic Sign Recognition (TSR) system provides the driver with information about the most recently detected speed limit.

For more details, see "Traffic Sign Recognition (TSR) (where fitted)" later in this section.

CLOCK AND OUTSIDE AIR TEMPERATURE



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

Clock

For clock adjustment, see "[Clock]" earlier in this section, "Audio main operation" in the "4. Display screen, heater and air conditioner, and audio system" section or the NissanConnect Owner's Manual.

Outside air temperature (°C or °F)

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

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

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, billboards, or media information.

INTELLIGENT DRIVER ALERTNESS (where fitted)

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

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

WARNING

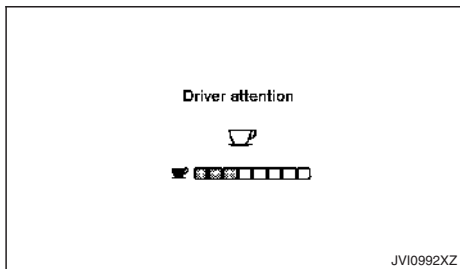
This system is not designed to assist driving impaired due to fatigue, or other causes. Be attentive at all times, and avoid driving when tired. Failure to do so could cause you to lose control of the vehicle, resulting in a serious accident.

System operation



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

Attention level indicator:



When the [Driver Attention] display is selected, you can view your attention level as detected by the system.

For more details, see "Settings" earlier in this section.

NOTE

- **The attention level indicator consists of eight levels.**
- **When stopping the engine, the system is reset.**

Turning the Intelligent Driver Alertness system on and off

To activate or deactivate this function, see "Settings" earlier in this section.

NOTE

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

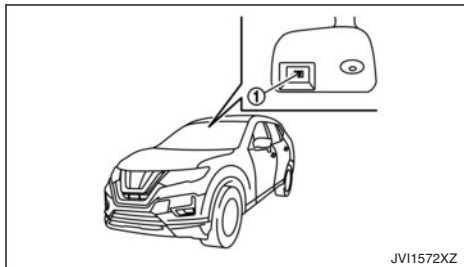
System Malfunction

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

Action to take:

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

TRAFFIC SIGN RECOGNITION (TSR) (where fitted)



The Traffic Sign Recognition (TSR) system provides the driver with information about the most recently detected speed limit. The system captures the road sign information with the multi-sensing front camera unit ① located on the windscreen in front of the inside rearview mirror and displays the detected signs in the vehicle information display. For vehicles equipped with Navigation System, the speed limit displayed is based on a combination of Navigation System data and live camera recognition. TSR information is always displayed at the top of the vehicle information display, and optionally in the main central area of the display screen.

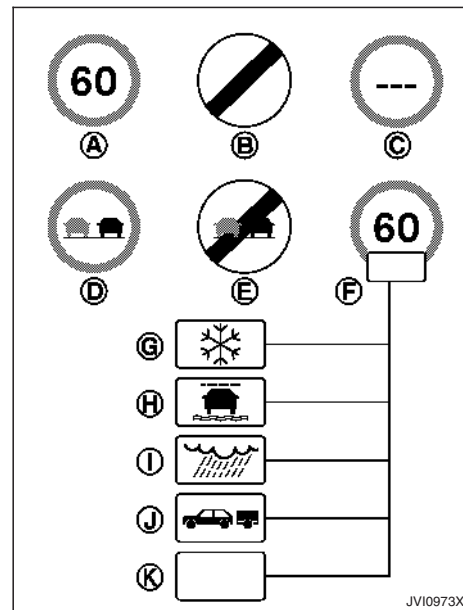
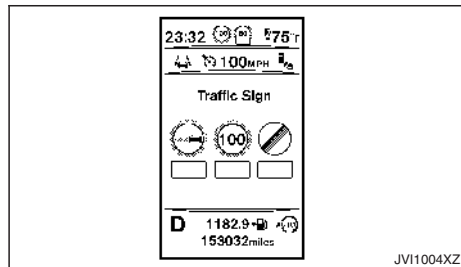
WARNING

The TSR system is only intended to be a support device to provide the driver with information. It is not a replacement for the driver's attention to traffic conditions or responsibility to drive safely.

It cannot prevent accidents due to carelessness. It is the driver's responsibility to stay alert and drive safely at all times.

System operation

The traffic recognition system displays the following types of road sign:



- (A) Latest detected speed limit.
- (B) National speed limit
- (C) No speed limit information.
- (D) No-overtaking zone.
- (E) End of no-overtaking zone.

- ⓔ Conditional speed limit, with the following available conditions:
- ⓐ Snow
- ⓓ Slip (rain 1)
- Ⓛ Rain (rain 2)
- Ⓜ Towing
- Ⓚ Generic

CAUTION

- **The Traffic Sign Recognition (TSR) system is intended as an aid to careful driving. It is the driver's responsibility to stay alert, drive safely, and observe all road regulations that currently apply, including looking out for road signs.**
- **The Traffic Sign Recognition (TSR) system may not function properly under the following conditions:**
 - **When rain, snow or dirt adheres to the windshield in front of the TSR camera unit.**
 - **When the headlights are not bright due to dirt on the lens or if the aiming is not adjusted properly.**
 - **When strong light enters the camera unit. (For example, the light directly shines on the front of the vehicle at sunrise or sunset.)**
 - **When a sudden change in brightness occurs. (For example, when the vehicle enters or exits a tunnel or under a bridge.)**
 - **In areas not covered by the Navigation System.**

- **If there are deviations in relation to the navigation, for example due to changes in the road routing.**
- **When overtaking buses or trucks with speed stickers.**

Turning the TSR system on and off

Turning the TSR system on or off is done using the [Settings] menu in the vehicle information display. For details, see "Vehicle information display" earlier in this section.

Perform the following steps to enable or disable the TSR system:

1. In the [Settings] menu, select [Driver Assistance].
2. Select [Traffic Sign] to turn the system ON/OFF.

System temporarily unavailable

If the vehicle is parked in direct sunlight under high temperature conditions (over approximately 40°C (104°F) and then started, the TSR system may be deactivated automatically. The [Not available High cabin temperature] warning message will appear in the vehicle information display.

Action to take:

When the interior temperature is reduced, the TSR system will resume operating automatically.

System Malfunction

If the TSR system malfunctions it will be turned off automatically and the system [Malfunction]/[System fault] warning message will appear in the vehicle information display.

Action to take:

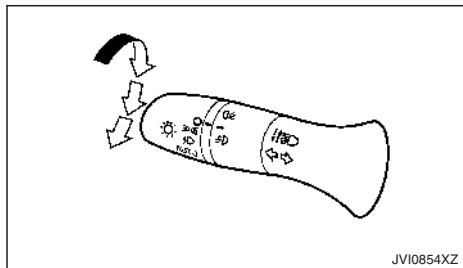
If the TSR [Malfunction]/[System fault] message appears, pull off the road at a safe location and stop the vehicle. Turn the engine off and restart the engine. If the TSR [Malfunction]/[System fault] message continues to appear, have the system checked by a NISSAN dealer or qualified workshop.

Maintenance

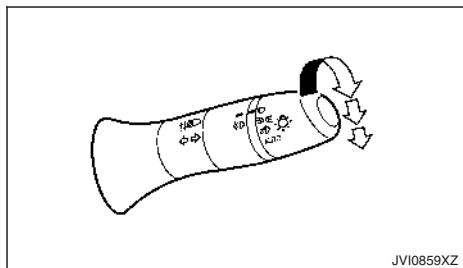
The TSR uses the same multi-sensing front camera unit that is used by the Lane Departure Warning (LDW) system, located in front of the inside rearview mirror. For maintenance of the camera, see "System maintenance" in the "5. Starting and driving" section.

HEADLIGHT AND TURN SIGNAL SWITCH

HEADLIGHT SWITCH



Type A



Type B

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

☀️ position

The ☀️ position turns on the front clearance, tail, number plate and instrument panel lights.

🚗 position

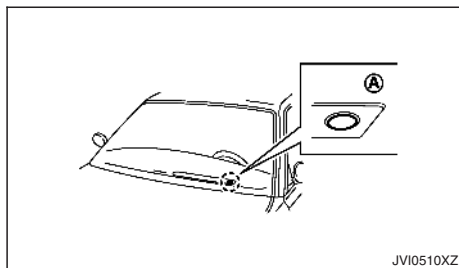
The 🚗 position turns on the headlights in addition to the other lights.

AUTO position (where fitted)

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

The Intelligent Auto Headlights will turn on automatically at twilight or in rainy weather (when the windscreen wiper is operated continuously) (where fitted).

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



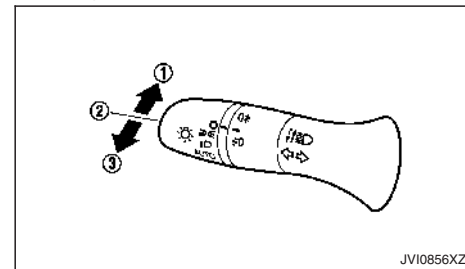
where fitted

CAUTION

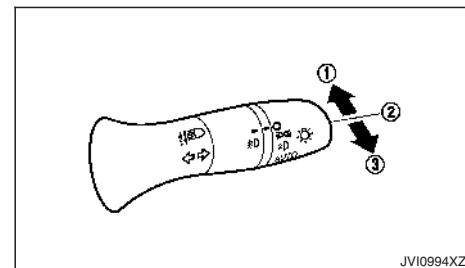
Do not place any objects on top of the sensor **A**. The sensor senses the brightness level and

controls the auto headlight/Intelligent Auto Headlight function. If the sensor is covered, it reacts as if it is dark, and the headlights will illuminate.

Headlight beam



Type A



Type B

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

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

To flash the headlights, pull the lever towards the rearmost position ③. The headlights can be flashed even when the headlights are not on.

Where fitted, when the lever is pulled towards the rearmost position ③ after the ignition switch is placed to 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.

High beam assist (where fitted)

The high beam assist system will operate when the vehicle is driven at speeds of approximately 40 km/h (25 MPH) and above. If an oncoming vehicle or leading vehicle appears in front of your vehicle when the headlight high beam is on, the headlight will be switched to the low beam automatically.

Precautions on high beam assist:

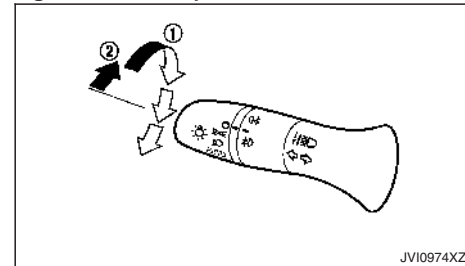
WARNING

- The high beam assist system is a convenience but it is not a substitute for safe driving operation. The driver should remain alert at all times, ensure safe driving practices and switch the high beam and low beam manually when necessary.
- The high beam or low beam may not switch automatically under the following conditions. Switch the high beam and low beam manually.
 - During bad weather (rain, fog, snow, wind, etc.).
 - When a light source similar to a headlight or tail light is in the vicinity of the vehicle.

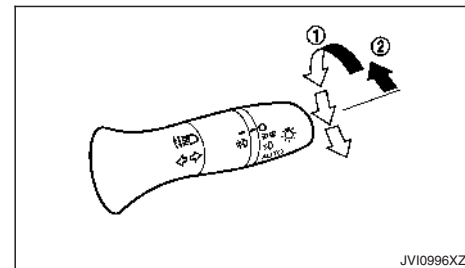
- When the headlights of the oncoming vehicle or the leading vehicle are turned off, when the colour of the light is affected due to foreign materials on the lights, or when the light beam is out of position.
 - When there is a sudden, continuous change in brightness.
 - When driving on a road that passes over rolling hills, or a road that has level differences.
 - When driving on a road with many curves.
 - When a sign or mirror-like surface is reflecting intense light towards the front of the vehicle.
 - When the container, etc. being towed by a leading vehicle is reflecting intense light.
 - When a headlight on your vehicle is damaged or dirty.
 - When the vehicle is leaning at an angle due to a punctured tyre, being towed, etc.
- The timing of switching the low beam and high beam may change under the following situations.
 - The brightness of the headlights of the oncoming vehicle or leading vehicle.
 - The movement and direction of the oncoming vehicle and the leading vehicle.
 - When only one light on the oncoming vehicle or the leading vehicle is illuminated.
 - When the oncoming vehicle or the leading vehicle is a two-wheeled vehicle.

- Road conditions (incline, curve, the road surface, etc.).
- The number of passengers and the amount of luggage.

High beam assist operations:



Type A




Type B

To activate the high beam assist system, turn the headlight switch to the AUTO position ① and push the lever forward ② (high beam position). The high

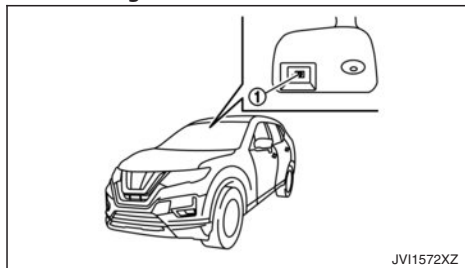
beam assist indicator light in the meter will illuminate while the headlights are turned on.

If the high beam assist indicator light does not illuminate in the above condition, it may indicate that the system is not functioning properly. Have the system checked by a NISSAN dealer or qualified workshop.

When the vehicle speed lowers to less than approximately 25 km/h (16 MPH), the headlight remains the low beam.

To turn off the high beam assist system, turn the headlight switch to the  position or select the low beam position by placing the lever in the neutral position.

Ambient image sensor maintenance:




The ambient image sensor ① for the high beam assist system is located in front of the inside rearview mirror. To keep the proper operation of the high beam assist system and prevent a system malfunction, be sure to observe the following:


- Always keep the windscreen clean.

- Do not attach a sticker (including transparent material) or install an accessory near the ambient image sensor.
- Do not strike or damage the areas around the ambient image sensor. Do not touch the sensor lens that is located on the ambient image sensor.

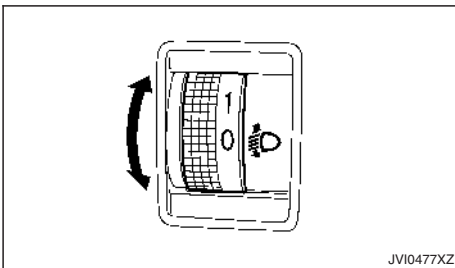
If the ambient image sensor is damaged due to an accident, contact a NISSAN dealer or qualified workshop.

Daytime running light system

Even if the headlight switch is  position, the daytime running lights will come on after starting the engine.

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

HEADLIGHT AIMING CONTROL



Manual type (where fitted)

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.

Two row model:

Switch position	Number of front seat occupants	Number of rear seat occupants	Weight of load in the luggage compartment HR13
0	1 or 2	No occupants	No load
1	2	3	
2	2	3	approx. 139kg (306 lb)
3	1	No occupants	approx. 370 kg (816 lb)



Three row model:



Switch position	Number of front seat occupants	Number of second row seat occupants	Number of third row seat occupants	Weight of load in the luggage compartment HR13
0	1 or 2	No occupants	No occupants	No load
1	2	No occupants or 3	2	
2	2	3	2	approx. 126kg (278 lb)
3	1	No occupants	No occupants	approx. 454kg (1001 lb)

Automatic type (where fitted)

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

BATTERY SAVER SYSTEM

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

If the ignition switch is placed in OFF or LOCK position while the headlight switch is in the  or  position, the battery saver function will turn off the lights after opening the driver's side door.

ADAPTIVE FRONT LIGHTING SYSTEM (AFS) (where fitted)

The Adaptive Front lighting System (AFS) will automatically adjust the headlights (low beam) toward the turning direction to improve the driver's view. When the headlight switch is ON and the driver operates the steering wheel in a turn, the AFS system will be activated.

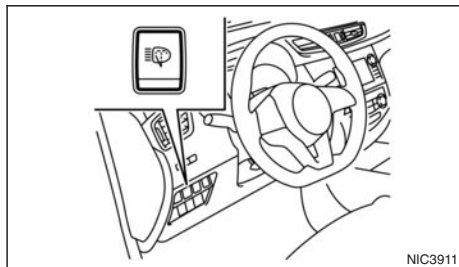
The AFS will operate:

- When the headlight switch is ON.
- When the shift lever is in any position other than P (Park) or R (Reverse).
- When the vehicle is driven at above 5 km/h (3 MPH) for the driver's side headlight. Note that the front passenger's side low beam headlight will swivel but the driver's side headlight will not swivel when the vehicle is below 5 km/h (3 MPH) and the steering wheel is turned.

AFS will also adjust the headlight to a proper axis automatically, depending on the number of occupants in the vehicle, the load the vehicle is carrying and the road conditions.

If the AFS warning appears in the vehicle information display after the ignition switch has been placed in the ON position, this may indicate that the AFS is not functioning properly. Have the system checked by a NISSAN dealer or qualified workshop. When the engine is started, the headlights will vibrate to check the system condition. This is not a malfunction.

HEADLIGHT CLEANER (where fitted)



Headlight cleaner switch (where fitted)

The headlight cleaner operates when the headlight is on and the ignition switch is in the ON position.

To operate the headlight cleaner:

- Push the headlight cleaner switch (where fitted)

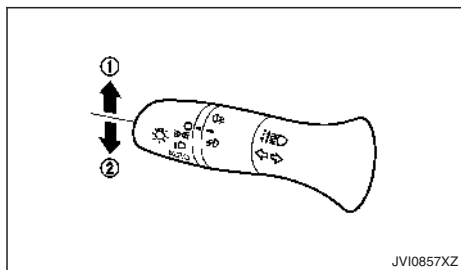
- Pull the windscreen washer switch toward you.
 - The headlight cleaner operates with the windscreen washer operation. This operation activates once each time either the ignition switch or the headlight switch is turned off and on.
 - After the first operation, the headlight cleaner operates once at every fifth operation of the windscreen washer.

See "Wiper and washer switch" later in this section.

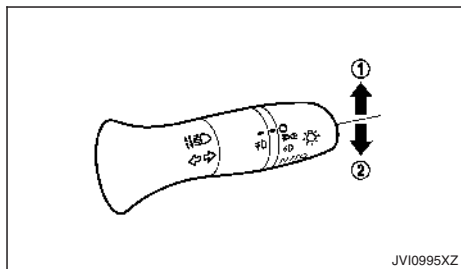
CAUTION

- Do not operate the washer if the window washer fluid reservoir is empty.

TURN SIGNAL SWITCH



Type A



Type B

CAUTION

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

Turn signal

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

Lane change signal

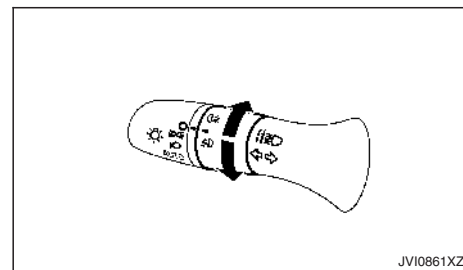
To turn on the lane change signals, move the lever up ① or down ② to the point where the light begins to flash.

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

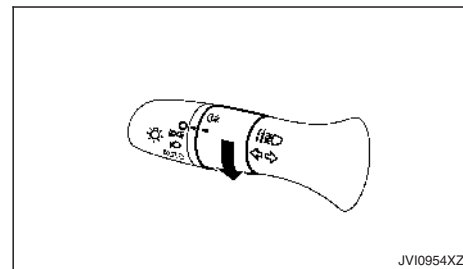
To cancel the flashing, move the lever to the opposite direction.

FOG LIGHT SWITCH





FRONT FOG LIGHTS (where fitted)



Type A



Type B





To turn on the front fog lights, turn the headlight switch to the  or  or AUTO (where fitted) position, then turn the fog light switch to the  position. The front fog lights and  indicator light on the meter illuminate.



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


WIPER AND WASHER SWITCH

REAR FOG LIGHT

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

To turn on the rear fog light, turn the headlight switch to the  or AUTO (where fitted) position, then turn the fog light switch to the  position. The rear fog light and  indicator light on the meter illuminate. The fog light switch will return to the  position automatically.

If the front fog lights (where fitted) are already turned on with the headlight switch in the  position, you can turn on the rear fog light without first turning the headlight switch to the  or AUTO (where fitted) position.

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

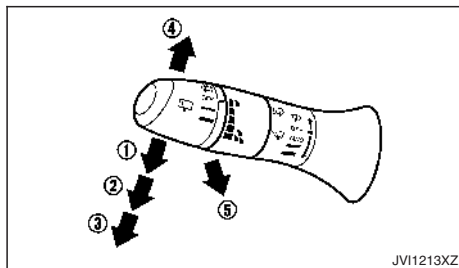
WARNING

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.

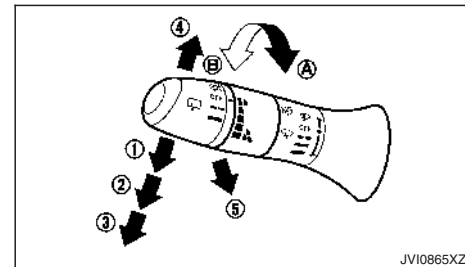
CAUTION

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

WINDSCREEN WIPER AND WASHER SWITCH

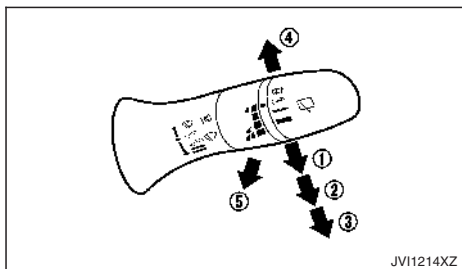


Type A



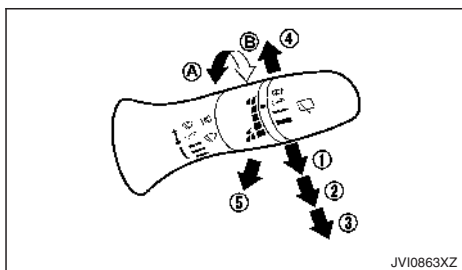
JVI0865XZ

Type B



Type C

JVI1214XZ



Type D

JVI0863XZ

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

Wiper operation

The lever position AUTO (Type A/Type C) ① operates the rain-sensing auto wiper system (where fitted) (see "Rain-sensing auto wiper system (where fitted)" later in this section).

The lever position ■ (INT) ① (Type B/Type D) operates the wiper intermittently.

- The intermittent operation can be adjusted by turning the adjustment control knob, (longer) A or (shorter) B.
- The speed of the intermittent operation varies depending on the vehicle speed.

This function can be turned on or off (where fitted). See "[Vehicle Settings]" earlier in this section.

The lever position ② operates the wiper at low speed.

The lever position ③ operates the wiper at high speed.

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

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

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

Replacing the wiper blades:

The wiper arm should be in the up position when replacing the windscreen wiper blades.

To replace the wiper blades, follow the procedure below:

1. When the ignition switch is ON or within 60 seconds after placing the ignition switch from the ON to OFF position, place the windscreen wiper and washer lever into the OFF position.
2. Rapidly lift the lever ④ upwards twice within 0.5 seconds. This action will cause the wipers to automatically take the service position.

For more information on replacing the windscreen wiper blades, see "Wiper blades" in the "8. Maintenance and do-it-yourself" section.

CAUTION

- **This function can be operated even if the ignition switch is in the ON position. However, to prevent an accident or damage when pulling up the wiper arm, be sure to observe the following precautions.**
 - **Make sure the shift lever is in the P (Park) position.**
 - **Never allow the passengers to operate the windscreen wiper switch inadvertently.**
- **Do not operate the windscreen wiper while the wiper arm is pulled up. The wiper arm may be damaged.**

Washer operation

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

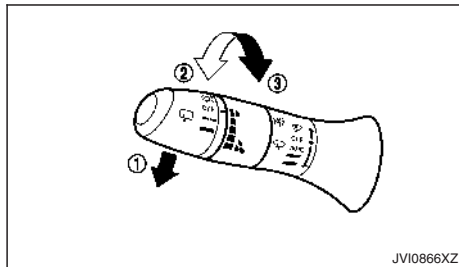
The headlight cleaner (where fitted) will also operate with operation of the windshield washer. See “Headlight cleaner (where fitted)” earlier in this section.

Wiper drip wipe system:

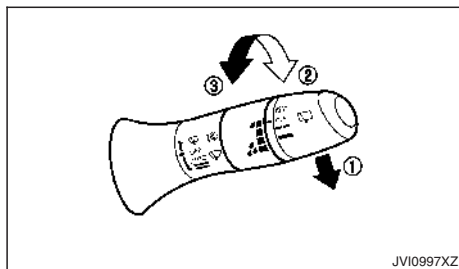
The wiper will also operate once about 3 seconds after the washer and wiper are operated. This operation is to wipe washer fluid that has dripped on the windshield.

To activate or deactivate this function, see “Settings” earlier in this section.

RAIN-SENSING AUTO WIPER SYSTEM (where fitted)



Type A



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 windshield.

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

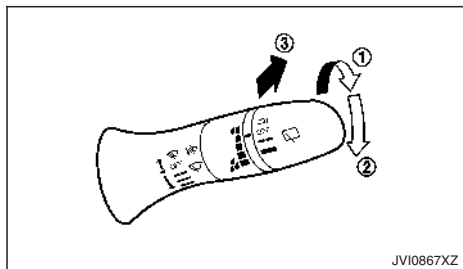
To turn the rain-sensing auto wiper system off, push up the lever to the OFF position, or pull down the lever to the other.

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 an injury or may damage a wiper.
- When the windshield glass is coated with water repellent, the speed of the rain-sensing auto wipers may be higher even though the amount of 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.

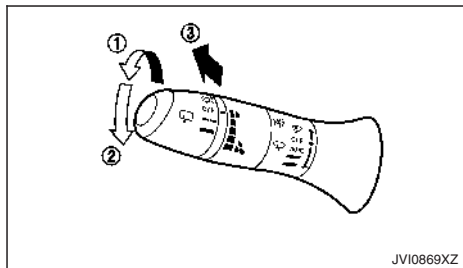
- Using genuine wiper blades is recommended for proper operation of the rain-sensing auto wiper system. (See “Wiper blades” in the “8. Maintenance and do-it-yourself” section for wiper blade replacement.)

REAR WINDOW WIPER AND WASHER SWITCH



Type A

JVI0867XZ



Type B

JVI0869XZ

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

Wiper operation

The switch position ① operates the wiper intermittently.

The switch position ② operates the wiper at low speed.

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

Reverse synchronisation function:


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

To activate or deactivate this function, see “Settings” earlier in this section.

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 windscreen. The wiper will automatically operate several times.

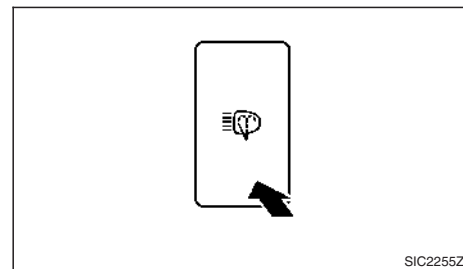
HEADLIGHT CLEANER (where fitted)

To clean the headlights, pull the windscreen washer switch towards you while the headlight switch is in the  position and the ignition switch is in the ON position.

NOTE


The headlight cleaner will automatically operate every fifth operation of the wiper and washer switch.

HEADLIGHT CLEANER SWITCH (where fitted)



SIC2255Z

Headlight cleaner switch (where fitted)

The headlight cleaner operates when the headlight and turn signal switch is in the  position and the ignition switch is in the ON position.

To operate the headlight cleaner push the headlight cleaner switch located on the driver's side, lower left side of the instrument panel.

CAUTION

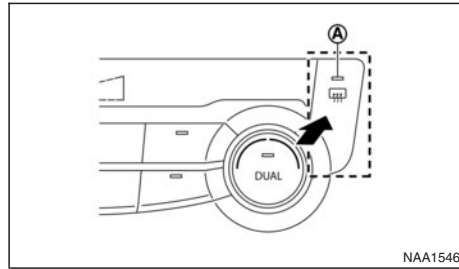
- Do not operate the cleaner continuously for more than 15 seconds.
- Do not operate the cleaner if the washer fluid reservoir is empty or frozen.

DEFOGGER SWITCH

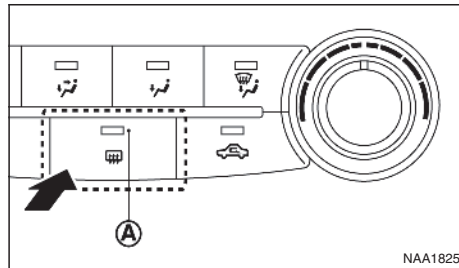
NOTE

- The headlight cleaner will automatically operate once every time the ignition switch is placed in the ON position and the windscreen washer switch is operated.

See "Window washer fluid" in the "8. Maintenance and do-it-yourself" section for details on refilling the reservoir tank.



Type A



Type B

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

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

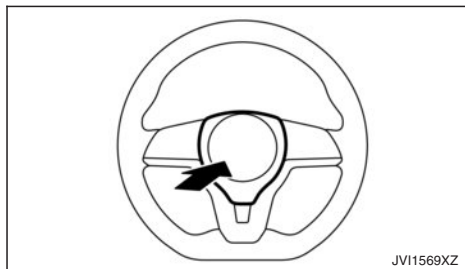
When the defogger switch is pushed, the indicator light (A) illuminates and the rear window defogger operates for approximately 15 minutes. After the preset time has passed, the defogger will turn off automatically.

To turn off manually, push the defogger switch again.

CAUTION

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

HORN

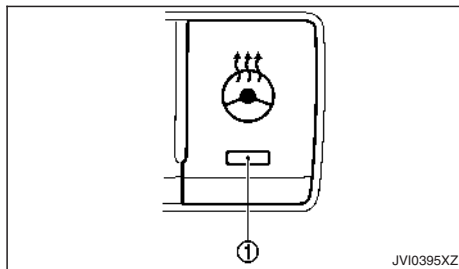


Example

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

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

HEATED STEERING WHEEL (where fitted)



The heated steering wheel system is designed to operate only when the surface temperature of the steering wheel is below 20°C (68°F).

Push the heated steering wheel switch to warm the steering wheel after the engine starts. The indicator light ① on the switch will illuminate.

If the surface temperature of the steering wheel is below 20°C (68°F), the system will heat the steering wheel and cycle off and on to maintain a temperature above 20°C (68°F). The indicator light will remain on as long as the system is on.

Push the switch again to turn the heated steering wheel system off manually. The indicator light turns off.

NOTE

- If the surface temperature of the steering wheel is above 20°C (68°F) when the switch is turned on, the system will not heat the steering wheel. This is not a malfunction.

WINDOWS

POWER WINDOWS

WARNING

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

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

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

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

Driver's window switch



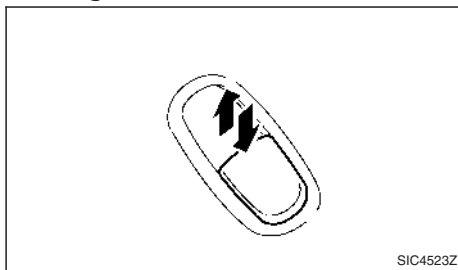
The driver's switch, the main switch, can control all windows.

Locking passenger's windows:

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

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

Passenger's window switch



The passenger's switch can control its corresponding window.

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

Automatic function



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

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

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

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

Window timer (where fitted):

The window timer allows the window switch to be operated for approximately 45 seconds even if the ignition switch is placed in the OFF position. The window timer will be cancelled when the driver's or front passenger's door is opened or the preset time has expired.

Auto-reverse function:

WARNING

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

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

SUNROOF (where fitted)

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

If the window does not close automatically

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

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

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

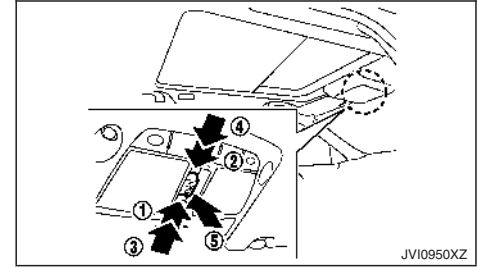
WARNING

- In an accident you could be thrown from the vehicle through an open sunroof. Adults should always use seat belts and children should always use seat belts or child restraint systems.
- Never allow anyone to stand up or extend any portion of their body out of the opening while the vehicle is in motion or while the sunroof is closing.

CAUTION

- Remove water drops, snow, ice or sand from the sunroof before opening.
- Do not place any heavy objects on the sunroof or surrounding area.
- Do not push or pull on the sunshade. Doing so can damage the sunshade.

AUTOMATIC SUNROOF AND SUNSHADE



Sliding sunshade and sunroof

When the sunroof switch is pushed to the OPEN position ①, the sunshade opens fully. When a switch is pushed again, the sunroof opens to the comfort mode position. When the switch is pushed again, the sunroof opens fully.

When the sunroof switch is pushed to the CLOSE position ②, the sunroof will automatically close. Push the switch again, and the sunshade will close.

When the sunroof switch is pushed to the OPEN position ③ to the second detent, the sunshade opens fully, and the sunroof opens to the comfort mode position. When the switch is pushed again, the sunroof opens fully. When the sunroof switch is pushed to the CLOSE position ④ to the second detent, both the sunshade and sunroof close.

To stop the sunshade or sunroof during the operation, push the sunroof switch to either of the OPEN ①, CLOSE ② or UP ⑤ position.

Tilting sunroof

To tilt up the sunroof, push the sunroof switch to the up position ⑤.

To tilt down the sunroof, push the switch to the up position ⑤ or push the switch to the CLOSE position ②.

When the sunroof is tilted up, push the switch to the CLOSE position to the second detent ④. The sunroof will tilt down and the sunshade will close.

Comfort mode

This is the position used when driving with the sunroof open. When driving with the sunroof fully open, wind noise may be very loud. Use the comfort mode position when driving.

Auto-reverse function

WARNING

There are some small distances just before the closed position which cannot be detected. Make sure that all passengers have their hands, etc. inside the vehicle before closing the sunroof and sunshade.

The auto-reverse function enables the sunroof and sunshade to automatically reverse when something is caught in the sunroof and sunshade as it is closing. When the control unit detects an obstacle, the sunroof and sunshade will open immediately.

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

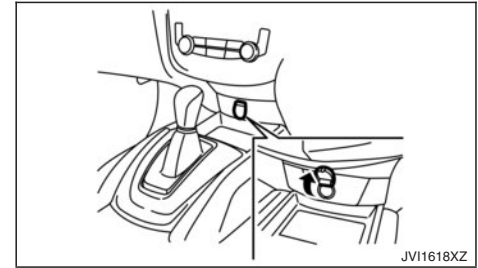
If the auto-reverse function activates consecutively or the battery is discharged, the sunroof and sunshade may not close properly. In this case, push and hold the switch to the CLOSE position ② to close the sunroof.

If sunroof does not operate

If the sunroof and sunshade do not operate properly, perform the following procedure to initialise the operation system.

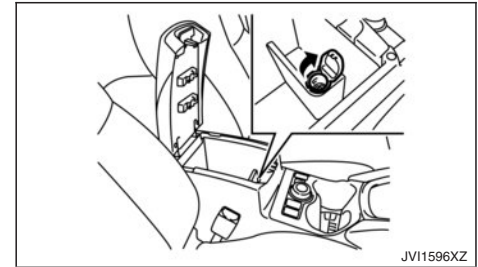
1. If the sunroof and sunshade are open, close them fully by repeatedly pushing the sunroof switch to the CLOSE ② position.
2. Push and hold the sunroof switch to the CLOSE ② position for 10 seconds.
3. After the sunroof and sunshade move slightly to the closed position and then move back a little, release the sunroof switch.
4. Push and hold the sunroof switch to the CLOSE ② position for over 6 seconds.
5. Release the sunroof switch. The sunroof and sunshade will fully open and then fully close.
6. Check if the sunroof switch operates normally.

If the sunroof does not operate properly after performing the procedure above, have your vehicle checked by a NISSAN dealer or qualified workshop.



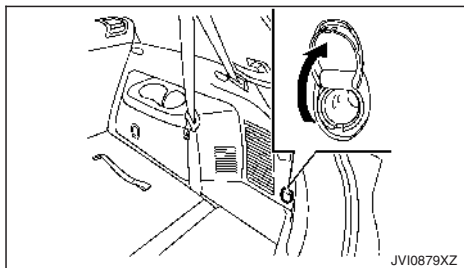
Instrument panel

JV11618XZ



Console box

JV11596XZ



Cargo area

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

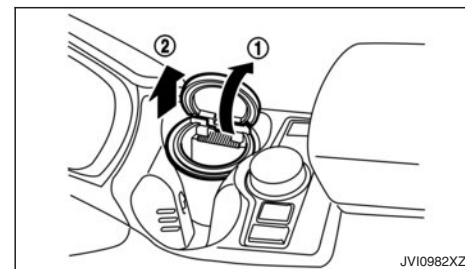
CAUTION

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

- When not in use, be sure to close the cap. Do not allow water or any liquid to contact the outlet.

ASHTRAYS AND CIGARETTE LIGHTER (where fitted)

ASHTRAY



WARNING

Do not use the ashtray in any other position than the front side of the front centre cup holder.

CAUTION

When using the cooling function, close the cup holder vent or take care to prevent the ash from being dropped in the cup holder due to the airflow coming from the drink holder vent.

To open the ashtray, pull up the lid ①.

To take out the ashtray, pull out ②.

STORAGE

CIGARETTE LIGHTER

WARNING

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

The cigarette lighter operates when the ignition switch is in the ACC or ON position.

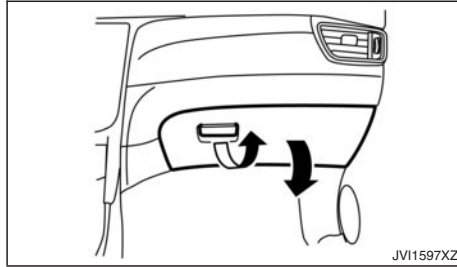
To heat the cigarette lighter, push in until it latches. When the lighter is heated, it will spring out automatically.

Return the cigarette lighter to its original position after use.

WARNING

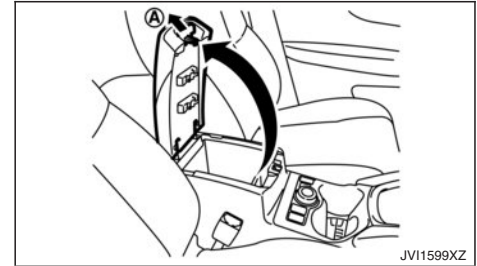
- The storage compartments should not be used while driving so that the full attention may be given to vehicle operation.
- Keep the storage lids closed while driving to help prevent injury in an accident or sudden stop.

GLOVE BOX



Open the glove box by pulling the handle.

CONSOLE BOX



To open the console box lid, push up the knob (A) and pull up the lid.

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

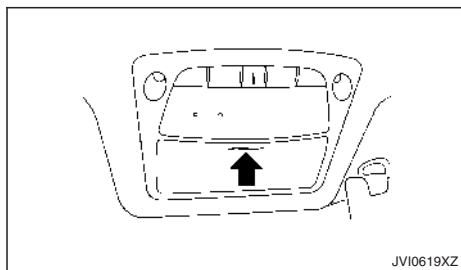
SEAT POCKET (where fitted)



Seat pocket (where fitted)

A seat pocket (where fitted) is located on the back of the driver and/or passenger seat.

SUNGLASSES HOLDER



WARNING

Keep the sunglasses holder closed while driving to avoid obstructing the driver's view and to help prevent an accident.

CAUTION

- Do not use for anything other than sunglasses.
- Do not leave sunglasses in the sunglasses holder while parking in direct sunlight. The heat may damage the sunglasses.

To open the sunglasses holder, push and release. Only store one pair of sunglasses in the holder.

CUP HOLDERS

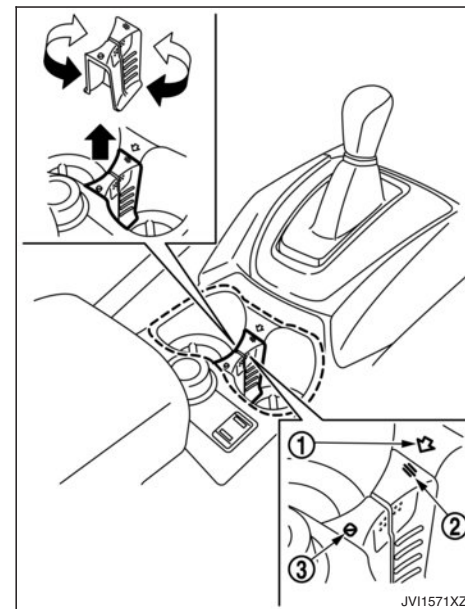
WARNING

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

CAUTION



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

Front



Front side

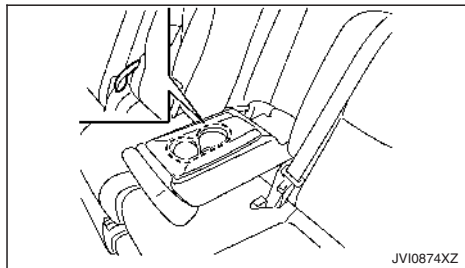
To keep a drink cold or warm,

1. Place the drink in the cup holder.
2. Choose the  or  mode by operating the heater and air conditioner.
3. To open the cup holder vent, pull up the centre partition and align mark ① with mark ②, and place the centre partition back.

- The airflow coming from the drink holder vent is the same temperature as the air conditioner. The temperature cannot be set independently.
- When the heater or the air conditioner is working in high temperature, the cooling function will not work even if the cup holder vent is opened.

When the cooling function is not necessary, pull up the centre partition, align the mark ① with mark ③, and place the centre partition back to the original position.

Second row seat



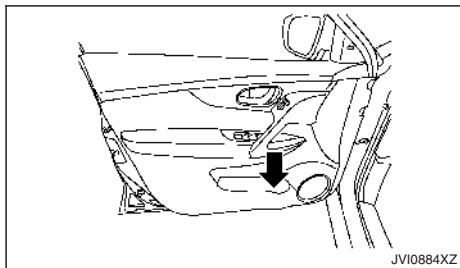
The second row seat cup holders are located in the rear fold-down armrest.

SOFT BOTTLE HOLDERS

CAUTION

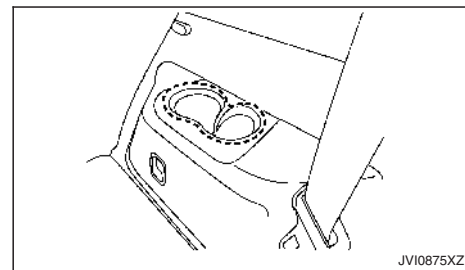
- Do not use bottle holder for any other objects that could be thrown about in the vehicle and possibly injure people during sudden braking or an accident.
- Do not use bottle holder for open liquid containers.

Front and second row seat

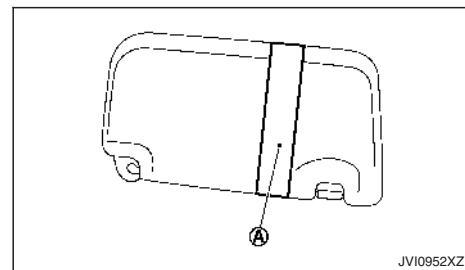


The front and second row seat soft bottle holders are located on the doors.

Third row seat (where fitted)

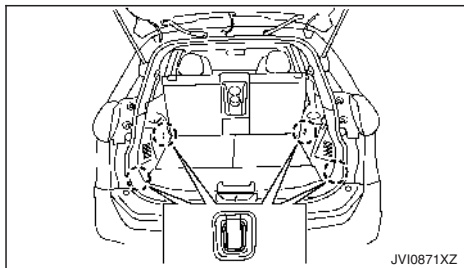


CARD HOLDER



Slide a card into the card holder ①.

LUGGAGE HOOKS



Luggage room

WARNING

- Always make sure that the luggage is properly secured. Use the suitable ropes and hooks.
- Unsecured luggage can become dangerous in an accident or sudden stop.
- Do not apply a total load of more than 10 kg (22 lb) to a single hook.

LUGGAGE NET

The luggage net helps keep packages in the luggage compartment from moving around while the vehicle is in motion.

To install the luggage net, attach the hooks to the retainers on both sides.

WARNING

- Properly secure all cargo to help prevent it from sliding or shifting. Do not place cargo higher than the seatbacks. In a sudden stop or collision, unsecured cargo could cause personal injury.
- Be sure to secure all four hooks into the retainers. The cargo restrained in the net must not exceed 13.6 kg (30 lb) or the net may not stay secured.

LUGGAGE COMPARTMENT (where fitted)

You can use the luggage compartment in diverse ways using the flexible luggage board.

WARNING

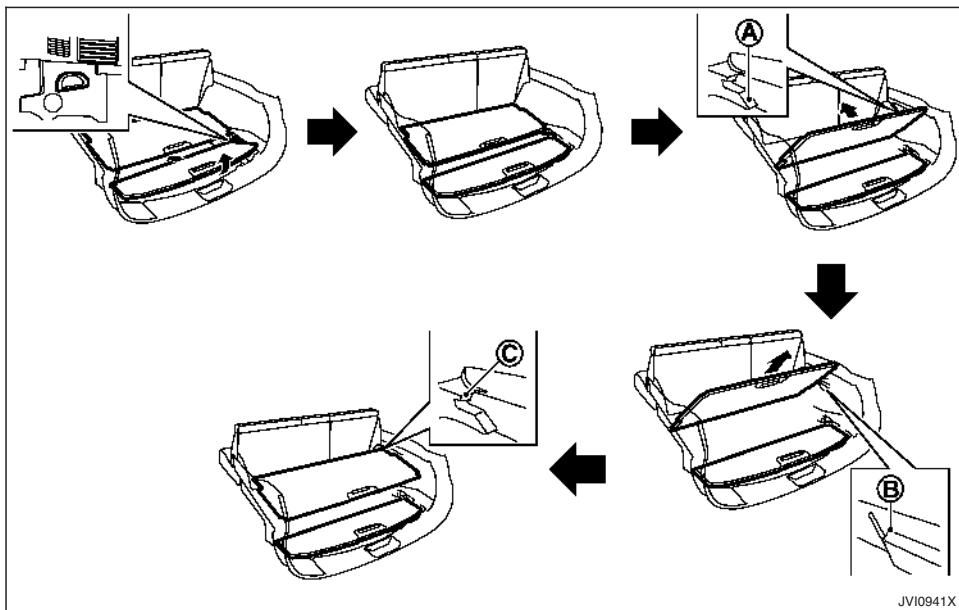
Do not put objects heavier than 75 kg (165 lb) on the load floor while in the mid position. In the upper position, objects heavier than 14kg (30 lb) should not be placed on the load floor.

CAUTION

- Do not push the front edge of the luggage board forcibly. Doing so may cause the luggage board to be tilted, resulting in personal injury.
- Do not handle the luggage board forcibly as this may deform it.
- While in the upper position, do not recline the seatbacks.
- Do not place cargo higher than the seatbacks. In a sudden stop or collision, unsecured cargo could cause personal injury.

NOTE

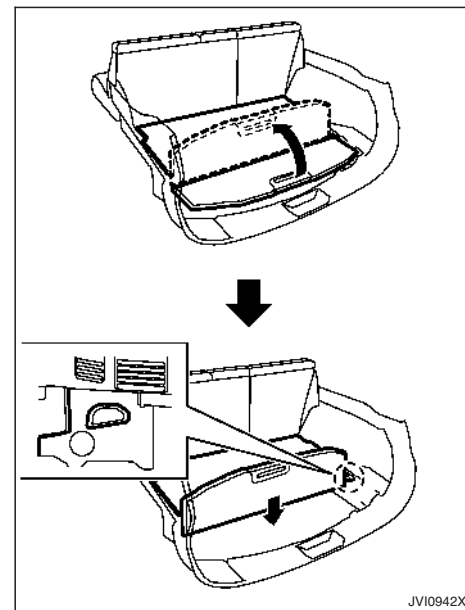
The diversity of the luggage compartment may be restricted depending on the equipment of each vehicle.



Three-stage mode (where fitted)

1. Pull the outer board upward to about 30°.
2. Pull the outer board toward the rear of the vehicle and then push it into the bottom of the luggage under space.
3. Pull the inner board upward until it stops at position **A**.

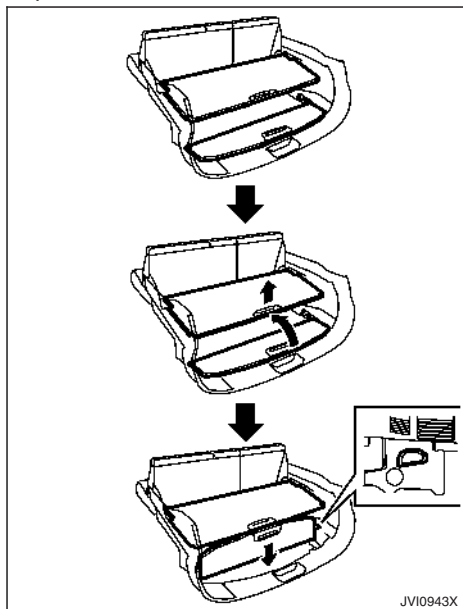
4. Pull off the inner board toward the rear of the vehicle from **B**.
5. Push the inner board into **C**.



Vertical mode

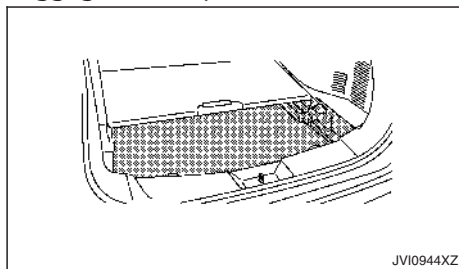
1. Pull the outer board upward to 90°.
2. Push down the board until it stops.

Separation mode (where fitted)



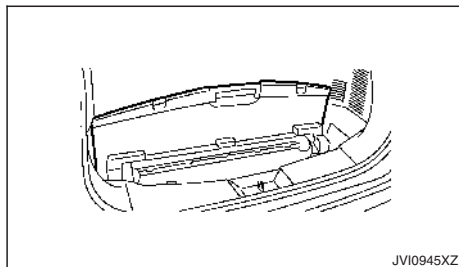
1. Place the inner board on the upper position. (See "Three-stage mode (where fitted)" earlier in this section.)
2. Pull the inner board upward about 10 cm (4 in) and pull up the outer board to 90°.
3. Push down the board until it stops.

Luggage under space (where fitted)



Two row model

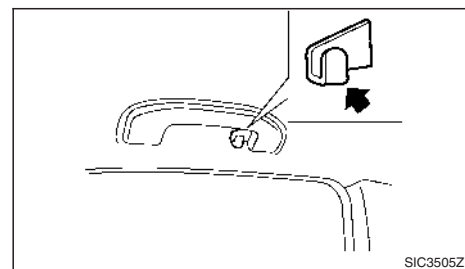
To use the luggage under space, pull off the outer board.



Three row model

To use the luggage under space, pull off the board.

COAT HOOK



The coat hook is located above the rear side window (on the driver's side).

CAUTION

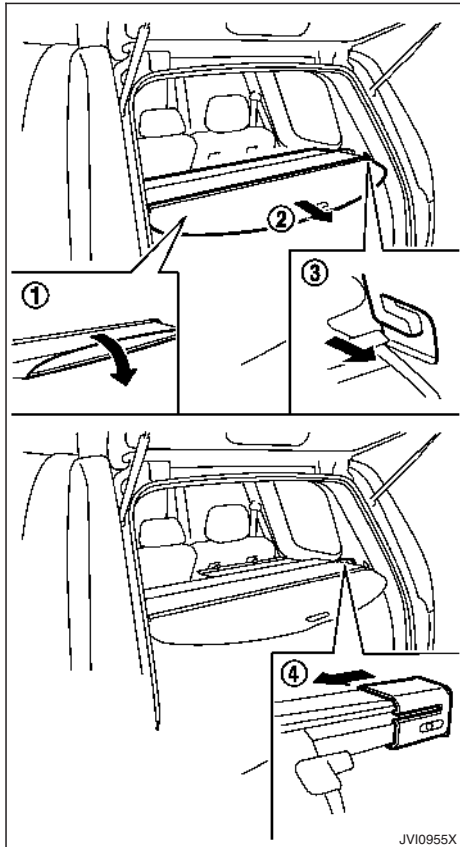
Do not apply a total load of more than 1 kg (2 lb) to the hook.

TONNEAU COVER (where fitted)

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

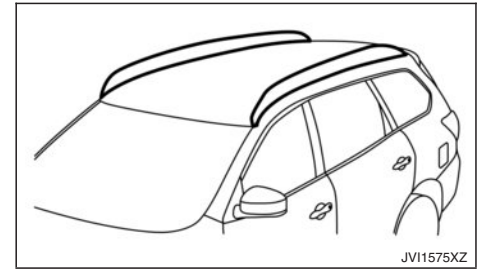
To use the tonneau cover, open the flap ①, pull it out ② and insert both sides to the guide ③.

To remove the tonneau cover, stow the cover and pull the holder ④.



WARNING

- Never put anything on the tonneau cover, no matter how small. Any object on it could cause an injury in an accident or sudden stop.
- Do not leave the tonneau cover in the vehicle with it disengaged from the holder.
- The child restraint top tether strap may be damaged by contact with the tonneau cover or items in the luggage area. Remove the tonneau cover from the vehicle or secure it in the luggage area. Also secure any items in the luggage area. Your child could be seriously injured or killed in a collision if the top tether strap is damaged.



Do not apply any load directly to the roof side rails. Cross bars must be installed before applying load/cargo/luggage to the roof of the vehicle. Genuine NISSAN accessory cross bars are available through a NISSAN dealer. It is recommended that you visit a NISSAN dealer for additional information. The service load capacity for the roof side rails is 100 kg (221 lb), however do not exceed the accessory cross bars load capacity.

WARNING

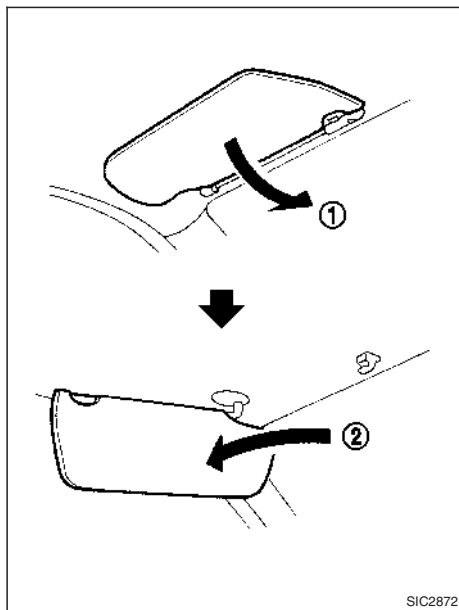
- Always install the cross bars onto the roof side rails before loading luggage of any kind. Loading luggage directly onto the roof side rails or the vehicle's roof may cause vehicle damage.
- Drive extra carefully when the vehicle is loaded at or near the load carrying capacity, especially if the significant portion of that load is carried on the cross bars.

SUN VISORS

- Heavy loading of the cross bars has the potential to affect the vehicle stability and handling during sudden or unusual handling manoeuvres.
- Roof rail load should be evenly distributed.
- Do not exceed maximum roof rail load weight capacity.
- Properly secure all cargo with ropes or straps to help prevent it from sliding or shifting. In a sudden stop or collision, unsecured luggage could cause personal injury.

CAUTION

Do not put or hang anything on or around side pipes or plastic covers.



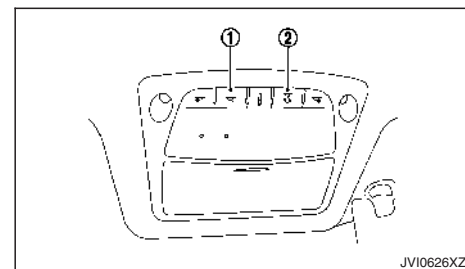
1. To block out glare from the front, swing down the sun visor ①.
2. To block glare from the side, remove the sun visor from the centre mount and swing it to the side ②.

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.

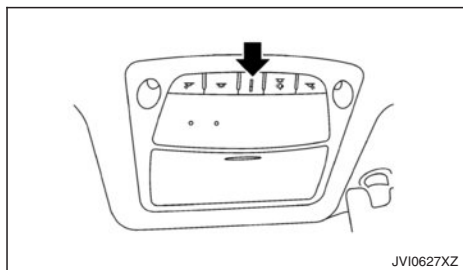
INTERIOR LIGHT SWITCH



- ① The interior light can be turned ON regardless of door position. The light will go off after a period of time unless the ignition switch is placed in the ON position when any door is opened.

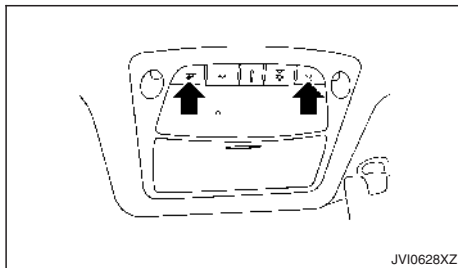
- ② The interior lights can be set to operate when the doors are opened. To turn off the interior lights when a door open, push the switch, the interior lights will not illuminate, regardless of door position. The lights will go off when the ignition switch is placed in the ON position, or the driver's door is closed and locked. The lights will also go off after a period of time when the doors are open.

CONSOLE LIGHT



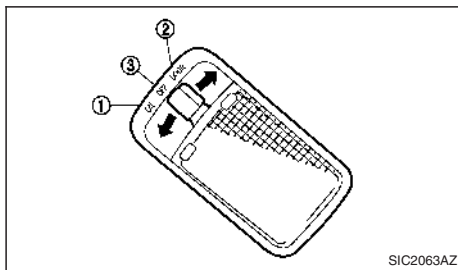
The console light will turn on whenever the clearance lights or headlights are illuminated.

MAP LIGHTS



Push the button to turn the map lights on. To turn them off, push the button again.

ROOM LIGHT (where fitted)




The room light has a three-position switch.

When the switch is in the ON position ①, the room light illuminates.

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

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

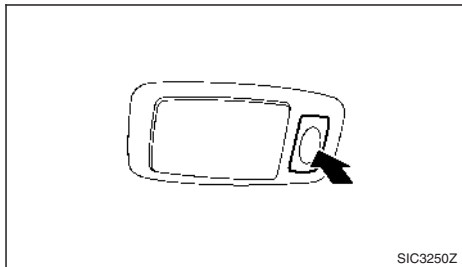
- The key is removed from the ignition switch with the driver's door closed. (model without Intelligent Key system)
- The ignition switch is placed in the OFF position. (model with Intelligent Key system)
- The doors are unlocked by pushing the UNLOCK  button (on the integrated key fob or Intelligent Key) or the request switch (Intelligent Key system equipped models), with the ignition switch in the LOCK position.
- Any door is opened and then closed with the ignition switch in the LOCK position.

The interior light timer will be cancelled when:

- The driver's door is locked.
- The ignition switch is placed in the ON position.

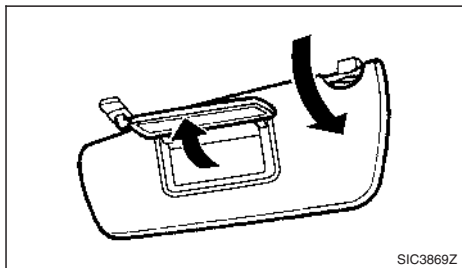
When the switch is in the OFF position ③, the room light does not illuminate, regardless of any condition.

REAR PERSONAL LIGHTS (where fitted)



To turn the rear personal lights on, push the switch.
To turn them off, push the switch again.

VANITY MIRROR LIGHT



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

The vanity mirror light illuminates when the vanity mirror cover is opened. When the cover is closed, the light will turn off.

LUGGAGE ROOM LIGHT

The luggage room light illuminates when the back door is opened. When the back door is closed, the light will turn off.

BATTERY SAVER SYSTEM

When the interior light stays on, it will automatically turn off after a period of time when the ignition switch has been placed in the OFF position. To turn on the light again, place the ignition switch in the ON position.

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

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

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

3 Pre-driving checks and adjustments

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KEYS

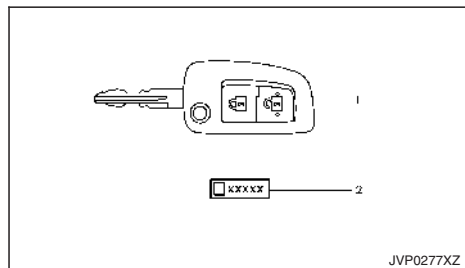
Your vehicle can only be driven with the keys specific to your vehicle. A key number plate is supplied with your key. Record the key number and keep the key number plate in a safe place, except in the vehicle, in case of the need to duplicate the keys.

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

CAUTION

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

NISSAN ANTI-THEFT SYSTEM (NATS*) KEY (where fitted)



1. NATS key (2)
2. Key number plate (1)

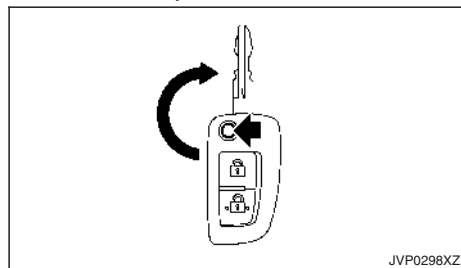
Your vehicle can only be driven with the NATS keys, which are registered to your vehicle's NATS components. As many as 4 NATS keys can be registered and used with one vehicle. The new keys must be registered by a NISSAN dealer or qualified workshop prior to use with the NATS of your vehicle. Since the 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.

*: Immobilizer

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.

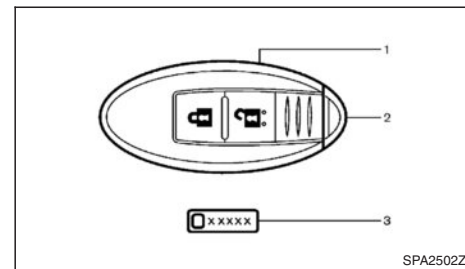
Mechanical key



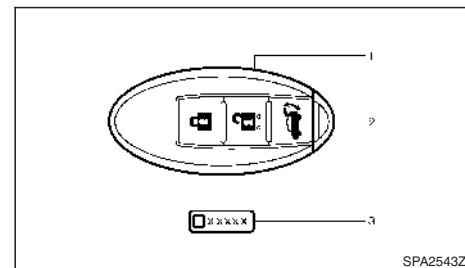
To unfold the key from the fob, press the release button.

When storing the key press the release button and push key to fold the key back into fob slot.

INTELLIGENT KEY (where fitted)



Type A



Type B

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

Your vehicle can only be driven with the Intelligent Keys, which are registered to your vehicle's Intelligent Key system components and NISSAN Anti-Theft System (NATS*) components. As many as 4 Intelligent Keys can be registered and used with one vehicle. The new keys must be registered by a NISSAN dealer 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

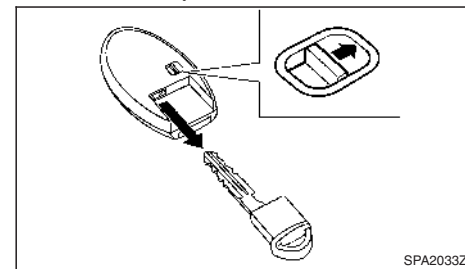
CAUTION

- **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) degrees, the battery of the Intelligent Key may not function properly.**

- **Do not place the Intelligent Key for an extended period in a place where temperatures exceed 60°C (140°F).**
- **Do not change or modify the Intelligent Key.**
- **Do not use a magnet key holder.**
- **Do not place the Intelligent Key near equipment that produces a magnetic field such as a TV, audio equipment, personal computers or mobile telephones.**
- **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 door. (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 of 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 integrated key fob or the Intelligent Key (where fitted). 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 (where fitted) 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, the Intelligent Key (where fitted) or the key will lock all doors including the back door 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, Intelligent Key (where fitted) or key.

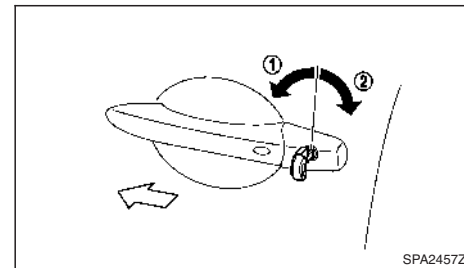
The Super Lock System will not activate when the doors are locked with the power door lock switch.

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.
- Remove the key from the ignition switch and unlock the door using the integrated key fob or the Intelligent Key (where fitted). The Super Lock System will be released and you can open the door.

LOCKING WITH KEY



Model without Super Lock System

To lock the door, insert the key to the door key cylinder and turn the key to the front side of the vehicle ①.

All doors including the back door will lock.

To unlock the door insert the key to the door key cylinder and turn the key to the rear side of the vehicle ②.

All doors including the back door will unlock. In the selective door unlock mode, only the driver's side door will unlock.

Model with Super Lock System

To lock the door, insert the key to the door key cylinder and turn the key to the front side of the vehicle ①.

All doors including the back door will lock and the Super Lock System will activate.

To unlock the door insert the key to the door key cylinder and turn the key to the rear side of the vehicle ②.

All doors including the back door will unlock and the Super Lock System will deactivate.

In the selective door unlock mode, only the driver's side door will unlock and Super Lock System will deactivate for all doors.

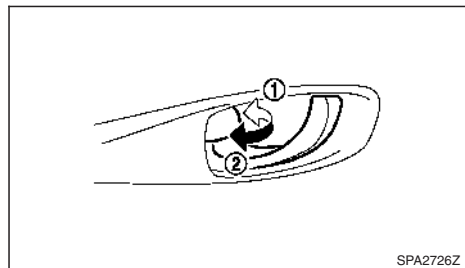
When the key is in the ignition switch or the ignition switch is pushed in (Intelligent Key equipped model), turning the key cannot lock the doors.

LOCKING WITH INSIDE LOCK KNOB

CAUTION

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

Type A (for models without Super Lock System)



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.

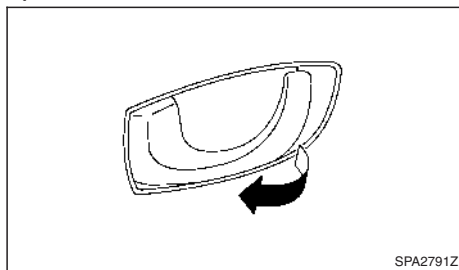
To lock the rear doors, push the inside lock knob to the lock position ① and then close the door.

Operating the driver's side lock knob will lock or unlock all the doors (where fitted).

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

When the driver's door is locked, you do not need to operate the inside lock knob. Just pull the inside door handle to open the driver's door.

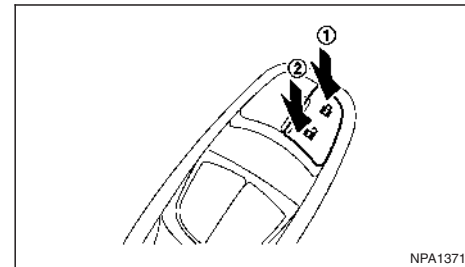
Type B (for models with Super Lock System)



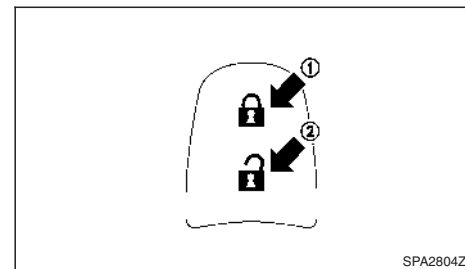
To unlock and open the door, pull the inside door handle as illustrated.

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

LOCKING WITH POWER DOOR LOCK SWITCH



Driver's armrest



Passenger's armrest (where fitted)



Operating the power door lock switch (located on the driver's and front passenger's doors) will lock or unlock all the doors.

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

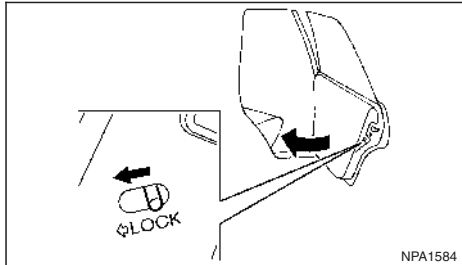
CAUTION

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

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

With the ignition switch in the ON position, the door lock indicator light  (located on the instrument panel) (where fitted) will illuminate and stay on. With the ignition switch in the OFF or LOCK position, the door lock indicator light  will illuminate for 30 minutes.

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, 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.

Make sure the Child lock is working properly.

REMOTE KEYLESS ENTRY SYSTEM (where fitted)

The remote keyless entry system can operate all door locks (including the back door) using the integrated key fob. The integrated key fob 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 4 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 integrated key fob 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).**

If an 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 "Battery" in the "8. Maintenance and do-it-yourself" section.

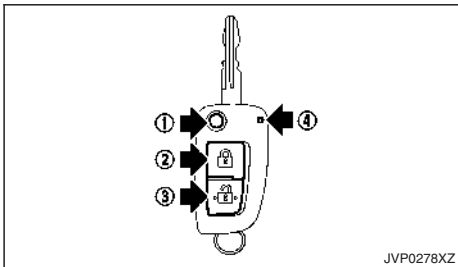
USING REMOTE KEYLESS ENTRY SYSTEM

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 integrated key fob or the Intelligent Key (where fitted). 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 (where fitted) 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.**



- ① Jackknife type key release button
- ② LOCK button
- ③ UNLOCK button
- ④ Battery indicator light

Locking doors

1. Remove the ignition key.
2. Close all doors.
3. Push the LOCK button ② on the integrated key fob.
4. All doors will be locked. The door lock indicator light (located on the instrument panel) will illuminate for 1 minutes (where fitted).

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 ③ on the integrated key fob.

2. All doors will be unlocked.

All doors will be locked automatically unless one of the following operations is performed within 30 seconds or 1 minute after pushing the UNLOCK button ③.

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

Selective 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 ③. 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 ③.



Selective door unlock mode:

1. Push the UNLOCK button ③ on the integrated key fob.
2. The driver's door unlock.
3. Push the UNLOCK button ③ on the integrated key fob again.

INTELLIGENT KEY SYSTEM (where fitted)

4. All doors will be unlocked.

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

Push the LOCK  ② and UNLOCK  buttons ③ simultaneously for more than 5 seconds.

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

Interior light timer (where fitted):

The interior light timer activates and the interior lights illuminate for 15 seconds when a door is unlocked and the interior light switch is in the DOOR position.

The interior lights can be turned off without waiting for 15 seconds by performing one of the following operations.

- Turning the ignition switch to the ON position.
- Locking the doors with the integrated key fob.
- Switching the interior light switch to the OFF position.

Battery indicator light

The battery indicator light ④ 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 "Battery" in the "8. Maintenance and do-it-yourself" section.

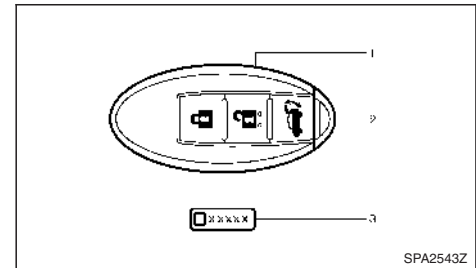
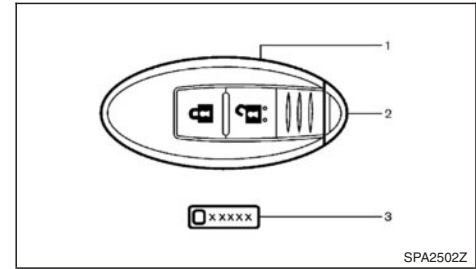
HAZARD WARNING OPERATION

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

- LOCK: The hazard warning flashes once.
- UNLOCK: The hazard warning flashes twice.

Hazard warning mode

	DOOR LOCK	DOOR UNLOCK
Remote key-less entry system	HAZARD - once	HAZARD - twice



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

WARNING

- **Radio waves could adversely affect electric medical equipment. Those who use a pacemaker should contact the electric medical equipment manufacturer for the possible influences before use.**
- **The Intelligent Key transmits radio waves when the buttons are pushed. The radio waves may affect aircraft navigation and communication systems. Do not operate the Intelligent Key while on an 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 and the back door 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 "Battery" in the "8. Maintenance and do-it-yourself" section.

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

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

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

CAUTION

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

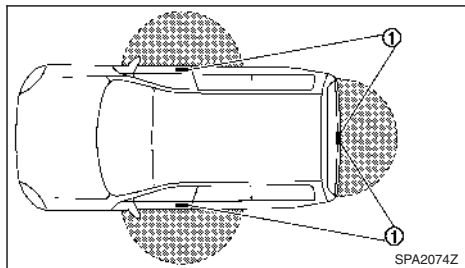
- **Do not place the Intelligent Key near equipment that produces a magnetic field, such as a TV, audio equipment and personal computers.**

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

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

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.

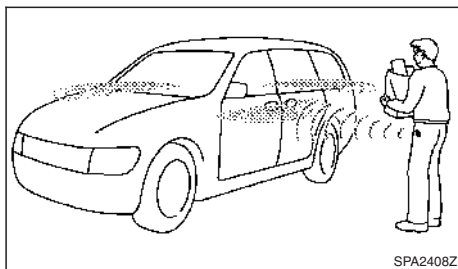
When the Intelligent Key battery is discharged or strong radio waves are present near the operating location, the Intelligent Key system's operating range becomes narrower, and the Intelligent Key may not function properly.

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.

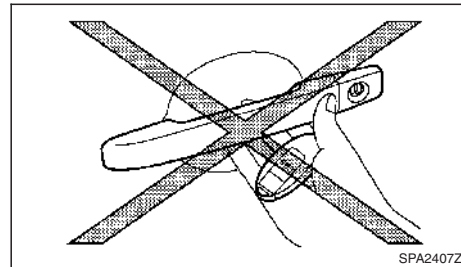
USING INTELLIGENT KEY SYSTEM



The request switch will not function under the following conditions:

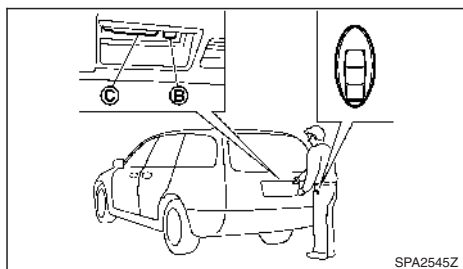
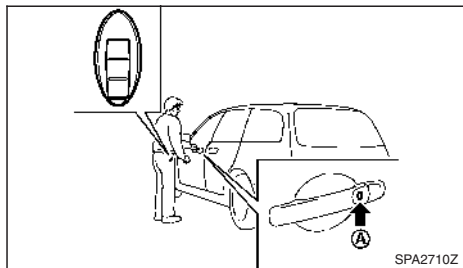
- When the Intelligent Key is left inside the vehicle
- When the Intelligent Key is not within the operational range
- When any door is open or not closed securely

- When the Intelligent Key battery is discharged
- When the ignition switch is in the 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.




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

When you lock or unlock the doors or open the back door, the hazard warning will flash and the outside chime will sound (where fitted) as a confirmation.

Welcome light and farewell light function

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

Locking doors

- Place the ignition switch in the OFF position.
- Carry the Intelligent Key with you.
- Close all doors.
- Push the door handle request switch **A** (driver's or front passenger's) or the back door request switch **B**.
- All doors and the back door will be locked. The door lock indicator light  (located on the instrument panel) will illuminate for 1 minutes (where fitted).
- Operate door handles to confirm that the doors have been securely locked.

Lockout protection:

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

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

CAUTION

The lockout protection may not function under the following conditions:

- When the Intelligent Key is placed on top of the instrument panel.
- When the Intelligent Key is placed on the tonneau cover (where fitted).
- 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

Switching door unlock mode:

To switch the door unlock mode from one to another, see "Vehicle information display" in the "2. Instruments and controls" section.

Selective door unlock mode (where fitted):

1. Carry the Intelligent Key with you.
2. Push the door handle request switch **(A)** or the back door request switch **(B)**.
3. Driver's door handle or back door request switch:
Only the corresponding door will be unlocked.
Front passenger's door handle request switch:
All doors (including the back door) will be unlocked. (Selective door unlock mode is not available.)
4. Push the door handle request switch again within 5 seconds.
5. All doors will be unlocked.
6. Operate the door handles to open the doors.


All door unlock mode:

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

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

All doors will be locked automatically unless one of the following operations is performed within 1 minute or 30 seconds after pushing the request switch while the doors are locked.

- Opening any doors.
- Pushing the ignition switch.

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

Opening power back door (where fitted)

1. Carry the Intelligent Key.
2. Push the power back door opener switch **(C)**.
3. The back door will unlock and automatically open.

The hazard warning flashes 4 times and the outside chime sounds.

To close the back door, push the power back door button on the Intelligent Key, the power back door switch on the instrument panel or the lower part of the back door. (See "Back door" later in this section.)


WARNING SIGNALS

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

CAUTION

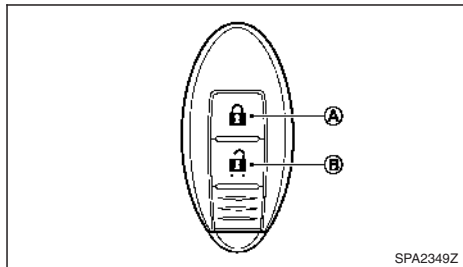
When the buzzer sounds and the warning display appears, be sure to check both the vehicle and the Intelligent Key.

TROUBLESHOOTING GUIDE

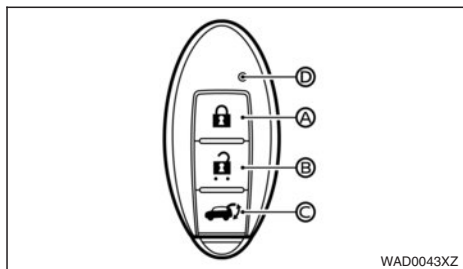
Symptom		Possible cause	Action to take
When pushing the ignition switch to stop the engine	The Shift to Park warning appears on the vehicle information display and the inside warning chime sounds continuously or for a few seconds.	The shift lever is not in the P (Park) position.	Shift the shift lever to the P (Park) 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 OFF position.	Close the door securely.
When closing the door after getting out of the vehicle	The Key System Fault appears on the vehicle information display, the outside chime sounds 3 times and the inside warning chime sounds for a few seconds.	The ignition switch is in the ON position.	Place the ignition switch in the OFF position.
	The Shift to Park warning appears on the vehicle information display and the outside chime sounds continuously.	The ignition switch is in the OFF position and the shift lever is not in the P (Park) position.	Move the shift lever to the P (Park) position and place the ignition switch in the OFF position.
When pushing the request switch or the LOCK  button on the Intelligent Key to lock the door	The outside chime sounds for a few seconds and all the doors unlock.	The Intelligent Key is inside the vehicle.	Carry the Intelligent Key with you.
When closing the door with the inside lock knob turned to LOCK	The outside chime sounds for a few seconds and all the doors unlock.	The Intelligent Key is inside the vehicle or luggage room.	Carry the Intelligent Key with you.
When pushing the door handle request switch to lock the door	The outside chime sounds for a few seconds.	The Intelligent Key is inside the vehicle or luggage room.	Carry the Intelligent Key with you.
		A door is not closed securely.	Close the door securely.
		The door handle request switch is pushed before the door is closed.	Push the door handle request switch after the door is closed.

Symptom		Possible cause	Action to take
When pushing the ignition switch to start the engine	The Key battery low warning appears on the vehicle information display.	The battery charge is low.	Replace the battery with a new one. (See "Battery" in the "8. Maintenance and do-it-yourself" section.)
	The No Key detected warning appears on the vehicle information display and the inside warning chime sounds for a few seconds.	The Intelligent Key is not in the vehicle.	Carry the Intelligent Key with you.
When pushing the ignition switch	The Key System Fault warning appears on the vehicle information display.	It warns of a malfunction with the electrical steering lock system or the Intelligent Key system.	Contact a NISSAN dealer or qualified workshop.

USING REMOTE KEYLESS ENTRY FUNCTION



Type A



Type B (example)

- Ⓐ LOCK button
- Ⓑ UNLOCK button
- Ⓒ Power back door button (where fitted)
- Ⓓ Intelligent Key button operation light (where fitted)

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 “8. Maintenance and do-it-yourself” section.

Locking doors

1. Place the ignition switch in the OFF position and carry the Intelligent Key.
2. Close all doors (including the back door).
3. Push the LOCK button Ⓐ on the Intelligent Key.
4. All doors will be locked. The door lock indicator light  (located on the instrument panel) will illuminate for 1 minutes (where fitted).
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

To change the door unlock mode from one to another, see the instructions in this section or “Vehicle information display” in the “2. Instruments and controls” section (where fitted).



All door unlock mode:

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

Selective door unlock mode (where fitted):

1. Push the UNLOCK button Ⓑ on the Intelligent Key.
2. The driver’s door will be unlocked.
3. Push the UNLOCK button Ⓑ on the Intelligent Key again.
4. All doors (including the back door) will be unlocked.

Switching door unlock mode (where fitted):

To switch the door unlock mode from one to another, push the LOCK  and UNLOCK  buttons on the Intelligent Key simultaneously for more than 5 seconds.

Automatic relock:



All doors will be locked automatically unless one of the following operations is performed within 30 seconds or 1 minute after pushing the UNLOCK button Ⓑ on the Intelligent Key while the doors are locked. If during this 30 seconds or 1 minute time period, the UNLOCK button Ⓑ on the Intelligent Key is pushed, all doors will be locked automatically after another 30 seconds or 1 minute.

- Opening any door or back door.

- Pushing the ignition switch.



Opening or closing the back door (where fitted)

Opening:





1. Push the power back door button   for more than 0.5 seconds.
2. The back door will automatically open.

The outside chime sounds.

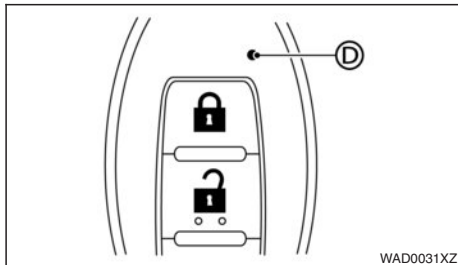
Closing:



1. Push the power back door button   for more than 0.5 seconds.
2. The back door will automatically close.

The outside chime sounds.

If the button   is pushed while the back door is being opened or closed, the back door will stop. If the button   is pushed again the back door will move in the opposite direction.

Intelligent Key button operation light (where fitted)



The light  blinks only when you push any button on the Intelligent Key. The light illumination only signifies that the Intelligent Key has transmitted a signal. You may look and/or listen to verify that the vehicle has performed the intended operation. If the light  does not blink, your battery may be too weak to communicate to the vehicle. If this occurs, the battery may need to be replaced.

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



HAZARD WARNING AND HORN OPERATION

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

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

SECURITY SYSTEM

Hazard warning mode

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

Your vehicle has either or both of the following security systems:

- Theft warning
- NISSAN Anti-theft System (NATS)*

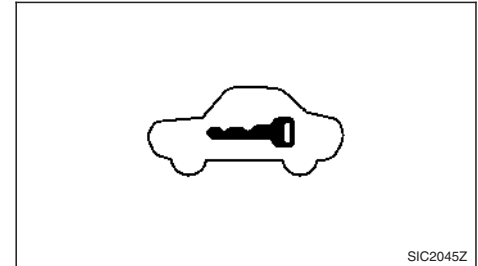
The security condition will be shown by the security indicator light.

(* immobilizer)

THEFT WARNING SYSTEM (where fitted)

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

Security indicator light



The security indicator light, located on the meter panel, operates whenever the ignition switch is in the LOCK or OFF position. This is normal.

For models with ultrasonic sensor

How to activate system:

1. Close all windows and sunroof (where fitted).
2. Place the ignition switch in the OFF position.
3. Carry the integrated key fob or the Intelligent Key with you and get out of the vehicle.
4. Make sure the bonnet and the back door are closed. Close and lock all doors with the integrated key fob, the Intelligent Key or the request switch.

If a door or the bonnet is open, the buzzer will sound. The buzzer will stop when the door is correctly closed.

5. Confirm that the security indicator light comes on. The security indicator light blinks rapidly for approximately 20 seconds and then blinks slowly. The system is now activated. If, during this 20-second time period, the door is unlocked by the integrated key fob, the Intelligent Key or the request switch, or the ignition switch is placed in the ON position, the system will not activate.

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

If the system malfunctions, the short beep sounds 5 times when the system is activated. Have the system checked by a NISSAN dealer or qualified workshop.

Theft warning system operation:


The warning system will give the following alarm:

- The hazard warning or headlight blinks and the alarm sounds intermittently for approximately 30 seconds. (The alarm will repeat 8 times.)
- The alarm automatically turns off after approximately 30 seconds. However, the alarm reactivates if the vehicle is tampered with again.

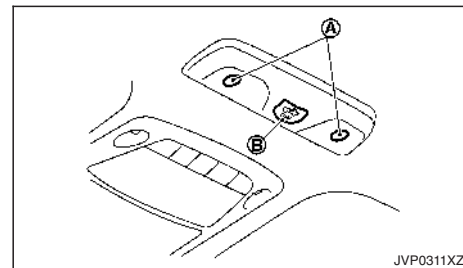
The alarm is activated when:

- operating the door or the back door without using the integrated key fob, the Intelligent Key or the request switch.
- opening the bonnet.
- the volumetric sensing system (ultrasonic sensors) is triggered (when it is activated).
- the power supply is disconnected.

How to stop alarm:

- The alarm will stop by unlocking a door with the request switch (where fitted) or the UNLOCK  button on the intelligent Key.
- The alarm will stop if the ignition switch is placed in the ON position.

Cancel switch for ultrasonic sensor:



The ultrasonic sensors (A) (volumetric sensing), located on the ceiling, detect movement in the passenger's compartment. When the theft warning system is set to the armed position, it will automatically switch on the ultrasonic sensor.

It is possible to exclude the ultrasonic sensors (for example, when leaving pets inside the car or transporting the vehicle on a ferry).

To exclude the ultrasonic sensors:

1. Close all the windows.
2. Place the ignition switch to the OFF position.
3. Push the cancel switch (B) located on the ceiling. The security indicator light will start flashing rapidly.
4. Close the doors, bonnet and back door. Lock them using the integrated key fob, the Intelligent Key or the request switch. The security indicator light will start flashing faster and a buzzer will sound once.

The ultrasonic sensor is now excluded from the theft warning system. All other functions of the system remain activated until the theft warning system is disarmed again.

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:

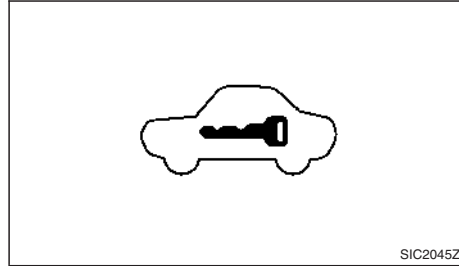
- Another NATS key.
- Automated toll road device.
- Automated payment device.
- Other devices that transmit similar signals.

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



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

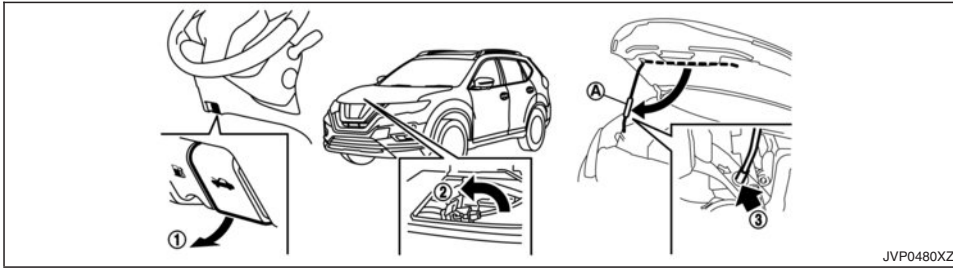
The light operates whenever the ignition switch is in the LOCK, OFF or ACC position. The security indicator light indicates that the security systems on the vehicle are operational.

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.

WARNING

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



JVP0480XZ

OPENING BONNET

1. Pull the bonnet lock release handle ① located below the instrument panel until the bonnet springs up.
2. Locate the lever ② in between the bonnet and grille, and push the lever sideways with your fingertips.
3. Raise the bonnet.
4. Remove the support rod and insert it into the slot ③.

Hold the coated parts ④ when removing or resetting the support rod. Avoid direct contact with the metal parts, as they may be hot immediately after the engine has been stopped.

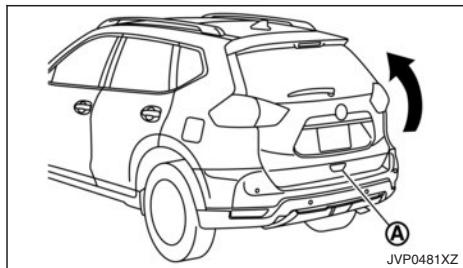
CLOSING BONNET

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

WARNING


- Always be 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. See "Exhaust gas (carbon monoxide)" in the "5. Starting and driving" section.
- Do not leave children unattended inside the vehicle. They could unknowingly activate switches or controls, or move the vehicle. Unattended children could become involved in serious accidents.
- Always be sure that hands and feet are clear of the door frame to avoid injury while closing the back door.
- 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.

OPERATING MANUAL BACK DOOR



To open the back door, unlock it and push the opener switch (A). Pull up the back door to open.

The back door can be unlocked by:

- pushing the UNLOCK  button on the key.
- pushing the back door request switch (where fitted).
- pushing the door handle request switch (where fitted).
- pushing the power door lock switch to the unlock position.

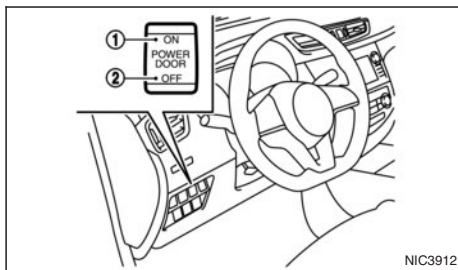
To close the back door, pull down until it securely locks.

OPERATING POWER BACK DOOR (where fitted)

To operate the power back door, the shift lever must be in the P (Park) position.

The power back door will not operate if the battery voltage is low.

Power back door main switch



① Power open/close (switch operation)

② Manual operation

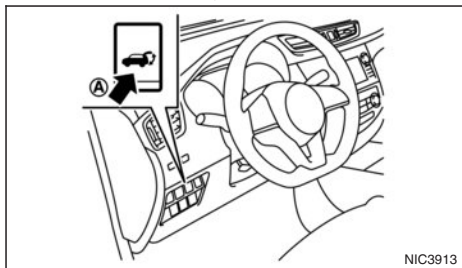
The power back door operation can be turned on or off with the power back door main switch on the instrument panel.

When the power door main switch is pushed to the OFF position (②), power operation is available by using the power back door button on the Intelligent Key.

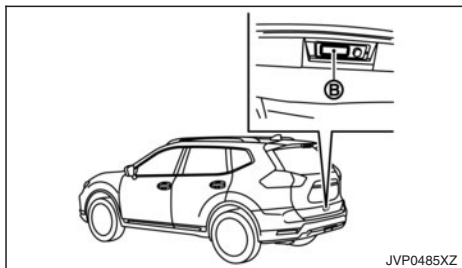
NOTE

- For models with motion-activated back door: When washing, waxing or maintaining your vehicle, placing or replacing the body cover, or splashing water to the area around the kick motion sensor, place the power back door main switch in the OFF (②) position.
- If the power open or close operation is performed consecutively, the safety mode activates and the operation cannot be performed for a certain period of time. In this case, wait for a while and then perform the operation.

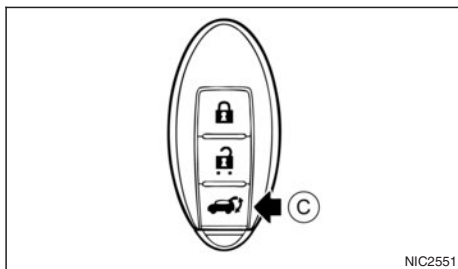
Power open (using switches)



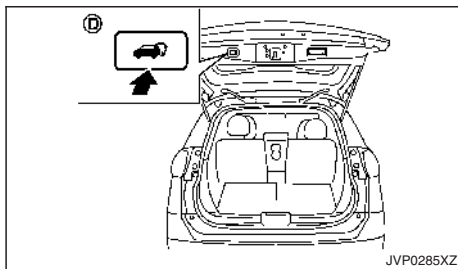
Power back door switch — Instrument panel



Back door opener switch



Power back door button - Key



Power back door switch — Back door

When the back door is fully closed, the back door will fully open automatically by:

- pushing the power back door switch (A) on the instrument panel for more than 1 second
- pushing the back door opener switch (B)
- pushing the power back door button (C) on the key for more than 1 second

The outside chime sounds when the back door starts opening.

NOTE

The back door can be opened by the power back door switch (A) or the power back door button (C) even if the back door is locked. The back door can be unlocked and opened independently of the other doors, even when they are locked.

Power close (using switches)

When the back door is fully opened, the back door will fully close automatically by:

- pushing the power back door switch (A) on the instrument panel
- pushing the power back door switch (D) on the lower part of the back door
- pushing the power back door button (C) on the key for more than 1 second

The outside chime sounds when the back door starts closing.

Stop and reverse function

The power back door will stop immediately if one of the following actions is performed during power open or close.

- pushing the power back door switch (A)
- pushing the back door opener switch (B)
- pushing the power back door switch (D) on the lower part of the back door
- pushing the power back door button (C) on the key

And then the power back door will move in the reverse direction if one of the above actions is performed again.

The outside chime sounds when the back door starts to reverse.

Auto reverse function

The auto-reverse function enables the back door to automatically reverse when something is caught in the back door as it is opening or closing. When the control unit detects an obstacle, the back door will reverse and return to the full open or full close position.

If a second obstacle is detected, the back door motion will stop. The back door will enter the manual mode.

A pinch sensor is mounted on each side of the back door. If an obstacle is detected by the pinch sensor during power close, the back door will reverse and return to the full open position immediately.

NOTE

If the pinch sensor is damaged or removed, the power close function will not operate.

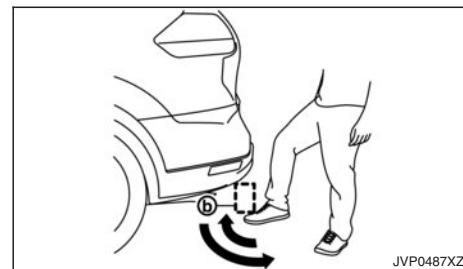
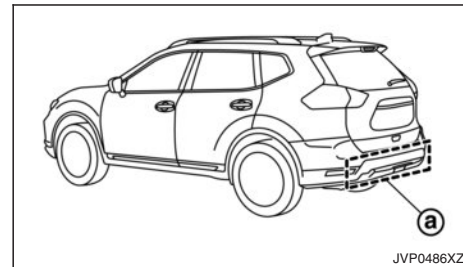
WARNING

There is a small distance immediately before the closed position that cannot be detected. Make sure that all passengers keep their hands, etc., clear from the back door opening before closing the back door.

Manual mode

If power operation is not available, the back door can be operated manually. Power operation may not be available if multiple obstacles have been detected in a single power cycle or if the battery voltage is low. When the power back door main switch is in the OFF position, the back door can be opened manually by pushing the back door opener switch. If the power back door opener switch is pushed during power open or close, the power operation will be cancelled and the back door can be operated manually.

MOTION-ACTIVATED BACK DOOR (where fitted)



The kick motion sensor (a), located on the back of the rear bumper, enables you to open or close the back door in hands-free.

When you move your foot under and away from the operating range (b) similarly to a kicking motion, the back door will open or close automatically.

NOTE

- The kick motion sensor may not function under the following conditions:
 - When operating near a location where strong radio waves are transmitted, such as a TV tower, power station or broadcasting station.
 - When the vehicle is parked near a parking meter.
- The power back door may not operate when your foot remains in the operating range ⑤.
- The kick motion sensor function may not detect a kicking motion underneath a tow-bar (where fitted), however the normal functionality is retained either side of the tow-bar (where fitted).

CAUTION

- When the Intelligent Key is carried with you near the back door, even someone, who does not carry the Intelligent Key, may be able to open or close the back door with a kick motion.
- Do not perform a kick motion near the exhaust system components while they are hot. You may severely burn yourself.
- Do not perform a kick motion on an unstable place (for example, on a slope or a muddy ground, etc.).

Power open or close function

The back door will fully open automatically using the kick motion sensor.

1. Carry the Intelligent Key.
2. Move your foot under and away from the rear bumper similarly to a kicking motion within the operation range of the kick motion sensor.
3. The back door will automatically open or close.

Stop and reverse function

The power back door will stop immediately if a kick motion is performed during power open or close. The back door can be stopped even if you do not carry the Intelligent Key.

And then the power back door will move in the reverse direction if a kick motion is performed again. The power back door can be reversed when you carry the Intelligent Key.

AUTO CLOSURE (where fitted)

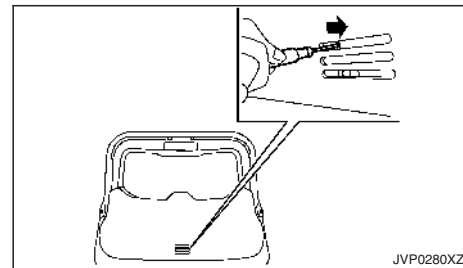
If the back door is pulled down to a partly open position, the back door will pull itself to the closed position.

Do not apply excessive force when the auto closure is operating. Excessive force applied may cause the mechanism to malfunction.

CAUTION

- The back door will automatically close from a partly open position. To avoid pinching, keep hands and fingers away from back door opening.
- Do not let children operate the back door.

BACK DOOR RELEASE LEVER



If the back door cannot be opened with the power door lock switch due to a discharged battery, follow these steps.

1. Fold the rear seats down. See "Folding" in the "1. Safety — seats, seat belts and supplemental restraint system" section.
2. Insert a suitable tool in the access opening. Move the release lever to the right. The back door will be unlatched.
3. Push the back door up to open.

Contact a NISSAN dealer or qualified workshop as soon as possible for repair.

FUEL-FILLER LID

GARAGE MODE SYSTEM

The back door can be set to open to a specific height by performing the following:

1. Open the back door.
2. Pull the back door down to the desired position and hold the back door (the back door will have some resistance when being manually adjusted).
3. While holding the back door in position, press and hold the back door switch (C) located on the back door for approximately 3 seconds or until 2 beeps are heard.

The back door will open to the selected position setting. To change the position of the back door, repeat steps 1-3 for setting the position of the back door.

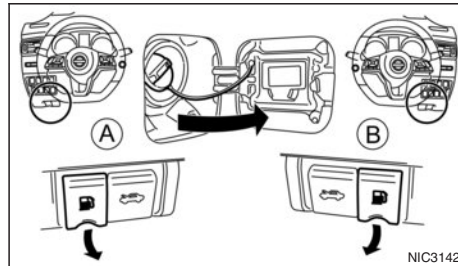
CAUTION

Do not set the height of the back door below approximately 1/3 of the way to the floor using garage mode. Even if you set the height below approximately 1/3 of the way to the floor, the height will automatically be set to approximately 1/3 of the way to the floor.

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



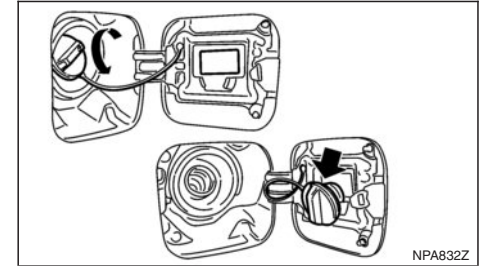
Type A

(A) LHD models

(B) RHD models

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

FUEL-FILLER CAP



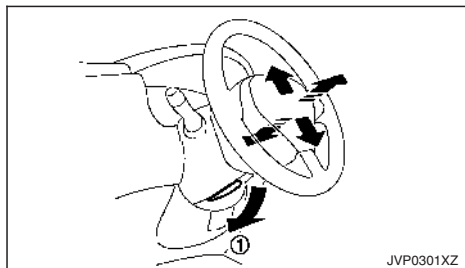
The fuel filler cap is a ratcheting type. Turn the cap anticlockwise to remove. Tighten the cap clockwise until ratcheting clicks are heard.

Put the fuel filler cap on the cap holder as illustrated while 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.

Pull the lock lever ① down and adjust the steering wheel up, down, forward or rearward to the desired position. Push the lock lever up securely to lock the steering wheel in place.

MIRRORS

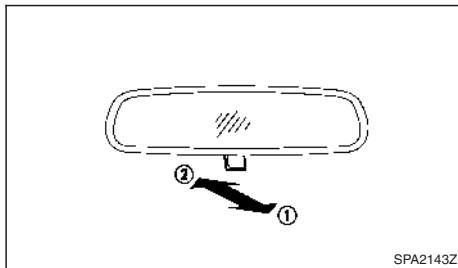
WARNING

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

INSIDE REARVIEW MIRROR

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

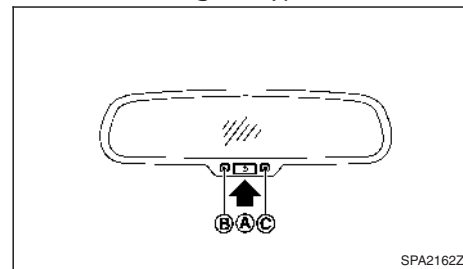
Manual anti-glare type



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

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

Automatic anti-glare type



The inside rearview mirror is designed so that it automatically changes reflection according to the intensity of the headlights of the vehicle following you.

The anti-glare system will be automatically turned on when you place the ignition switch in the ON position.

When the system is turned on, the indicator light ② will illuminate and excessive glare from the headlights of the vehicle behind you will be reduced.

Push the switch ① to make the inside rearview mirror operate normally and the indicator light will turn off. Push the switch again to turn the system on.

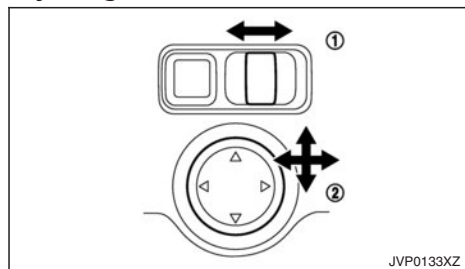
Do not hang any objects on the mirror or apply glass cleaner. Doing so will reduce the sensitivity of the sensor ③, resulting in improper operation.

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



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

1. Turn the switch to select the left or right mirror ①.

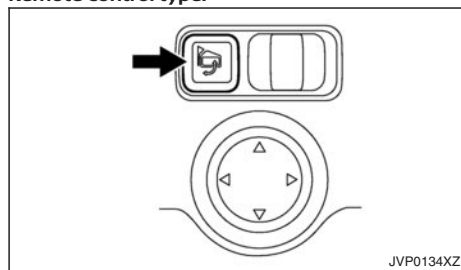
2. Adjust each mirror by pushing the switch until the desired position is achieved ②.

Defogging

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

Folding

Remote control type:



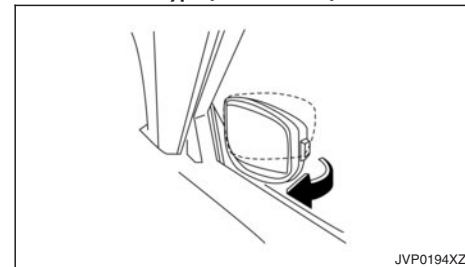
The outside rearview mirror remote control operates when the ignition switch is in the ACC or ON position.

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

CAUTION

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

Manual control type (where fitted):



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

Automatic fold (where fitted):

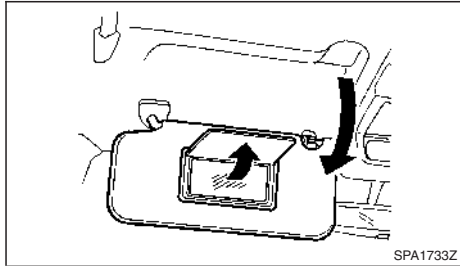
The outside rearview mirrors automatically unfold when the ignition switch is placed in the ON position or when the vehicle doors are unlocked. To select the timing that the mirrors are to be automatically folded and unfolded, see "[Vehicle Settings]" in the "2. Instruments and controls" section. The automatic fold feature can also be switched off.

NOTE

The outside rearview mirror folding switch can be used to override the automatic fold feature.

PARKING BRAKE

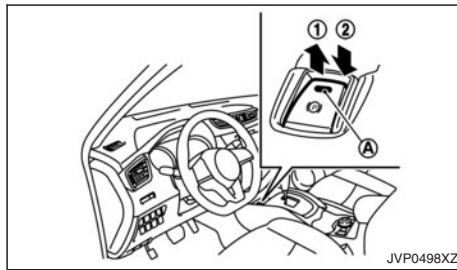
VANITY MIRROR



To use the front vanity mirror, pull down the sun visor and pull up the 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.**



The electronic parking brake can be applied or released automatically or by operating the parking brake switch.

AUTOMATIC OPERATION

For models with automatic brake hold function, the electronic parking brake will apply automatically if the ignition switch is placed in the OFF position when the brake force is maintained by the automatic brake hold function.

The electronic parking brake is automatically released as soon as the vehicle starts while the accelerator pedal is depressed.

For DCT model, the driver's seat belt needs to be fastened.

WARNING

- **The electronic parking brake will not be automatically applied when the engine is stopped without using the ignition switch (for example, by engine stalling).**

Without the vehicle stationary, the electronic parking brake will not be automatically applied even if the engine is turned off with the ignition switch.

- **Before leaving the vehicle, move the shift lever to P (Park) position and check that the electronic parking brake indicator light (P) is illuminated to confirm that the electronic parking brake is applied. The electronic parking brake indicator light will remain on for a period of time after the driver's door is locked.**

CAUTION

When parking in an area where the outside temperature is below 0 °C (32 °F), the parking brake (if applied) may freeze in place and may be difficult to release.

For safe parking, it is recommended that you place the shift lever in the P (Park) position and securely block the wheels.

NOTE

- To keep the electronic parking brake released after the engine is turned off, place the ignition switch in the OFF position, depress the brake pedal and push down the parking brake switch before opening the driver's door.
- If a malfunction occurs in the electronic parking brake system (for example, due to battery discharge), contact a NISSAN dealer or qualified workshop.
- If the shift lever is moved to the P (Park) position when the brake force is maintained by the automatic brake hold function (where fitted), the electronic parking brake will apply automatically.
- If the driver's seat belt is unfastened when the brake force is maintained by the automatic brake hold function (where fitted), the electronic parking brake will apply automatically.
- If the ignition switch is placed in the OFF position when the brake force is maintained by the automatic brake hold function (where fitted), the electronic parking brake will apply automatically.

MANUAL OPERATION

The electronic parking brake will not be automatically applied if the engine is stopped without using the ignition switch (for example, by engine stalling). In such a case, you have to apply the parking brake manually.

To apply: Pull the switch up ①. The indicator light (A) will illuminate.

To release: With the ignition switch in the ON position, depress the brake pedal and push the switch down ②. The indicator light (A) will turn off.

Before driving, check that the electronic parking brake indicator light (P) goes out. For additional information, see "Electronic parking brake system warning light (yellow) (where fitted)" in the "2. Instruments and controls" section.

NOTE

- A buzzer will sound if the vehicle is driven without releasing the parking brake. See "Parking brake reminder chime" in the "2. Instruments and controls" section.
- While the electronic parking brake is applied or released, an operating sound is heard from the lower side of the rear seat. This is normal and does not indicate a malfunction.
- When the electronic parking brake is frequently applied and released in a short period of time, the parking brake may not operate in order to prevent the parking brake system from overheating. If this occurs, operate the electronic parking brake switch again after waiting approximately 1 minute.

- If the electronic parking brake must be applied while driving in an emergency, pull up and hold the parking brake switch. When you release the parking brake switch, the parking brake will be released.
- While pulling up the electronic parking brake switch during driving, the parking brake is applied and a chime sounds. The electronic parking brake indicator light in the meter and in the parking brake switch illuminate. This does not indicate a malfunction. The electronic parking brake indicator light in the meter and in the parking brake switch turn off when the parking brake is released.
- When pulling the electronic parking brake switch up with the ignition switch in the OFF or ACC position, the parking brake switch indicator light will continue to illuminate for a short period of time.

When towing a trailer

Depending on the weight of the vehicle and trailer and the steepness of the slope, there may be a tendency for the vehicle to move backwards when starting from a standstill. When this occurs, you can use the parking brake switch in the same way as a conventional lever type parking brake.

Before starting on sloping roads when towing a trailer, be sure to read the following to prevent the vehicle from moving backward unintentionally.

- Release the parking brake switch as soon as the engine is delivering enough torque to the wheels.

AUTOMATIC BRAKE HOLD

The automatic brake hold function maintains the braking force without the driver having to depress the brake pedal when the vehicle is stopped at a traffic light or intersection. As soon as the driver depresses the accelerator pedal again, the automatic brake hold function is deactivated and the braking force is released. The operating status of the automatic brake hold can be displayed on the vehicle information display. See "Vehicle information display" in the "2. Instruments and controls" section

WARNING

- The automatic brake hold function is not designed to hold the vehicle on a steep hill or slippery road. Never use the automatic brake hold when the vehicle is stopped on a steep hill or slippery road. Failure to do so may cause the vehicle to move.
- The automatic brake hold warning may appear in the vehicle information display to request that the driver retake control by depressing the brake pedal.
- When the automatic brake hold function is activated, but fails to maintain the vehicle at a standstill, depress the brake pedal to stop the vehicle. If the vehicle unexpectedly moves due to the outside conditions, the chime may sound and the automatic brake hold warning may illuminate in the vehicle information display.
- Be sure to deactivate the automatic brake hold function when using a car wash or towing your vehicle.

- Make sure to place the shift lever in the P (Park) position and apply the parking brake when parking your vehicle or loading luggage. Failure to do so could cause the vehicle to move or roll away unexpectedly and result in serious personal injury or property damage.
- The system operates between slope angles of -30% to +30%, outside this range the system may not operate (check warning light status) or may request the driver (by a warning message in the Vehicle Information Display) to retake control by pressing the brake pedal.

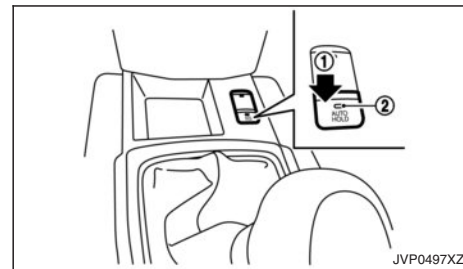
CAUTION

- If any of the following conditions occur, the automatic brake hold function may not function. Have the system checked by a NISSAN dealer or qualified workshop promptly.
 - A warning message appears in the vehicle information display.
 - The indicator light of the automatic brake hold switch does not illuminate when the switch is pushed.
- The automatic brake hold function will not be activated if the Electronic Stability Programme (ESP) warning light, electronic parking brake system warning light or the master warning light illuminates, and the chassis control system fault message appears in the vehicle information display.

- While maintaining the braking force to keep the vehicle at a standstill, a noise may be heard. This is not a malfunction.

HOW TO ACTIVATE/DEACTIVATE THE AUTOMATIC BRAKE HOLD FUNCTION

How to activate the automatic brake hold function



1. With the ignition switch in the ON position, press the automatic brake hold switch ①. The indicator light of the automatic brake hold switch ② illuminates.
2. When the automatic brake hold function is in standby, the automatic brake hold indicator (white) illuminates.

To use the automatic brake hold function, the following conditions need to be met.

- The driver's seat belt is fastened.
- The electronic parking brake is released.

- The shift lever is not in the P position.
- The vehicle is not parked on a steep hill.

NOTE

The automatic brake hold function retains the last state even if the engine is restarted.

How to deactivate the automatic brake hold function

While the automatic brake hold function is activated, press the automatic brake hold switch to turn off the automatic brake hold indicator light and deactivate the automatic brake hold function. To deactivate the automatic brake hold function while the brake force has been maintained by the automatic brake hold function, depress the brake pedal and press the automatic brake hold switch.

CAUTION

Make sure to firmly depress and hold the brake pedal when turning off the automatic brake hold function while the brake force is applied. When the automatic brake hold function is deactivated, the brake force will be released. This could cause the vehicle to move or roll away unexpectedly and result in an accident.

HOW TO USE THE AUTOMATIC BRAKE HOLD FUNCTION

To maintain braking force automatically

With the automatic brake hold function activated and the automatic brake hold indicator (white) illuminated on the meter, depress the braking pedal to stop the vehicle. The brake force is automatically applied without your foot depressed on the brake pedal. While the brake hold is maintained, the automatic brake hold indicator (green) illuminates on the meter.

To start the vehicle from standstill

With the shift lever not in the P (Park) or N (Neutral) position, depress the accelerator pedal while the brake force is maintained. The brake force will automatically be released to restart the vehicle.

The automatic brake hold indicator (white) on the meter illuminates and the automatic brake hold returns to standby.

Parking

When the shift lever is in the P (Park) position with the brake force maintained by the automatic brake hold function, the electronic parking brake will automatically be applied and the brake force of the automatic brake hold will be released. The automatic brake hold indicator turns off. When the electronic parking brake is applied with the brake force maintained by the automatic brake hold function, the brake force of the automatic brake hold will be released. The automatic brake hold indicator turns off.

NOTE

- Under the following conditions, the electronic parking brake will automatically be applied and the brake force of the automatic brake hold will be released.
 - If the shift lever is moved to the "P" (Park) position.
 - The parking brake is applied manually.
 - The braking force is applied by the automatic brake hold function for 3 minutes or longer.
 - The driver's seat belt is unfastened.
 - The ignition switch is placed in the OFF position.
 - If a malfunction occurs in the automatic brake hold function.
- When the vehicle stops, but the brake force is not automatically applied, depress the brake pedal firmly until the automatic brake hold indicator (green) illuminates.

Automatic brake hold function display

The automatic brake hold function status can be checked in the "Chassis Control" mode in the vehicle information display. See "1. Chassis control" in the "2. Instruments and controls" section.

Also, depending on the driving situations, some warnings or indicators may be displayed in the vehicle information display. See "Vehicle information display" in the "2. Instruments and controls" section

4 Display screen, heater and air conditioner, and audio system

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NISSANCONNECT OWNER'S MANUAL (where fitted)

For models with NissanConnect System, refer to the NissanConnect Owner's Manual that includes the following information.

Available functions may vary depending on the models, specifications and software versions.

- Audio
- Hands-free phone
- Apple CarPlay
- Android Auto™
- Navigation
- Voice recognition
- Information and settings viewable on NissanConnect

SAFETY PRECAUTIONS

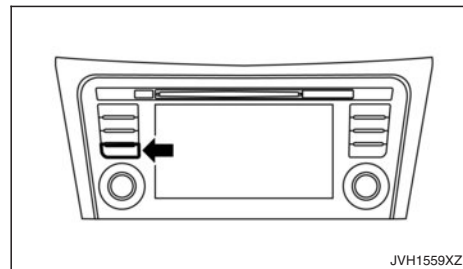
WARNING

- **Do not adjust the display controls, 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

To prevent battery discharge, do not use the system for extended periods of time when the engine is not running.

INTELLIGENT AROUND VIEW MONITOR (where fitted)



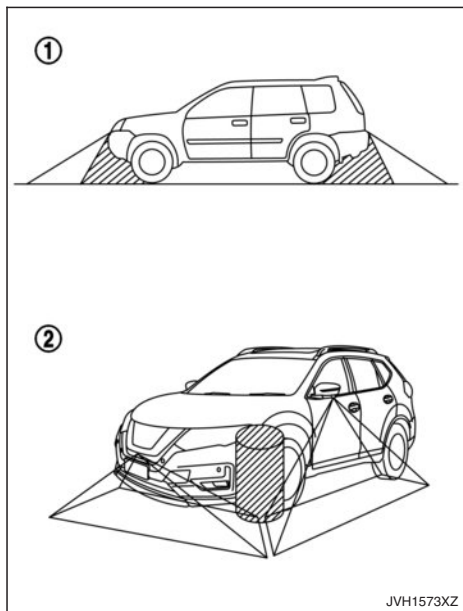
Models with navigation system

With the ignition switch in the **ON** position, push the <CAMERA> button or move the shift lever to the R (Reverse) position to operate the Intelligent Around View Monitor. The monitor displays various views of the position of the vehicle.

Available views:

- Bird's-eye View
The surrounding view of the vehicle.
- Front-side View
The view around and ahead of the front passenger's side wheel.
- Front View
The view to the front of the vehicle.
- Rear View
The view to the rear of the vehicle.

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



There are some areas where the system will not display objects. When in the front or the rear view display, an object below the bumper or on the ground may not be displayed ①. When in the bird's-eye view, a tall object near the seam of the camera detecting areas will not appear in the monitor ②.

WARNING

- The Intelligent Around View Monitor is a convenient feature but it is not a substitute for proper vehicle operation because it has areas where objects cannot be viewed. Always look out the windows and check mirrors to be sure that it is safe to move.
- The driver is always responsible for safety during parking and other manoeuvres.
- Do not use the Intelligent Around View Monitor with the outside mirror in the stored position, and make sure that the back door is securely closed when operating the vehicle using the Intelligent Around View Monitor.
- The distance between objects viewed on the Intelligent Around View Monitor differs from the actual distance.
- The cameras are installed above the front grille, the outside mirrors and above the rear number plate. Do not put anything on the cameras.
- Do not cover the rear license plate. The Intelligent Around View Monitor can not be displayed correctly by interfering with the camera screen.
- When washing the vehicle with high-pressure water, be sure not to spray it around the cameras. Otherwise, water may enter the camera unit causing water condensation on the lens, a malfunction, fire or an electric shock.

- Do not strike the cameras. They are precision instruments. Doing so could cause a malfunction or cause damage resulting in a fire or an electric shock.

CAUTION

Clean the camera lens with soft cloth to keep it free from dirt, snow, etc. Do not scratch the lens when cleaning.

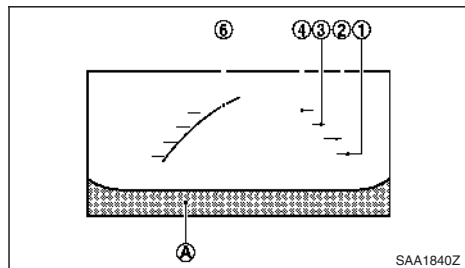
AVAILABLE VIEWS

WARNING

- The distance guide line and the vehicle width line should be used as a reference only when the vehicle is on a paved, level surface. The distance viewed on the monitor is for reference only and may be different than the actual distance between the vehicle and displayed objects.
- Use the displayed lines and the bird's-eye view as a reference. The lines and the bird's-eye view are greatly affected by the number of occupants, fuel level, vehicle position, road condition and road grade.
- If the tyres are replaced with different sized tyres, the predictive course line and the bird's-eye view may be displayed incorrectly.
- When driving the vehicle up a hill, objects viewed in the monitor are further than they appear. When driving the vehicle down a hill, objects viewed in the monitor are closer than they appear.

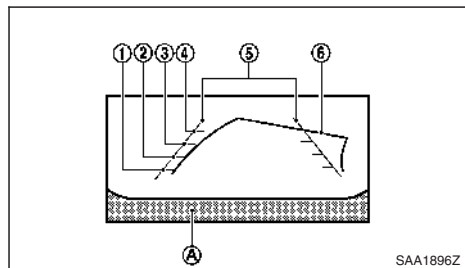
- Use the mirrors or actually look to properly judge distances to other objects.
- The vehicle width and predictive course lines are wider than the actual width and course.

Front and rear view



Front view

SAA1840Z



Rear view

SAA1896Z

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

Distance guide lines:

Indicate distances from the vehicle body.

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

Vehicle width guide lines ⑤:

Indicate the vehicle width when reversing.

Predictive course lines ⑥:

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

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

WARNING

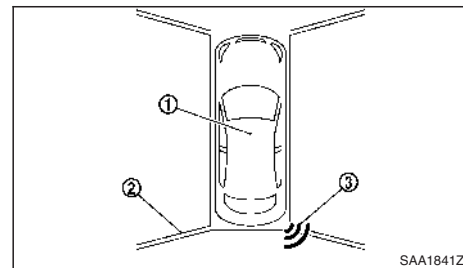
- The distance between objects viewed in the rear view may differ from the actual distance. Objects in the monitor will appear visually opposite from those viewed in the inside and outside mirrors.
- On a snow-covered or slippery road, there may be a difference between the predictive course line and the actual course line.

- The displayed lines on the rear view will appear slightly off to the right because the rear view camera is not installed in the rear centre of the vehicle.

NOTE

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

Bird's-eye view (Type A)



SAA1841Z

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

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

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

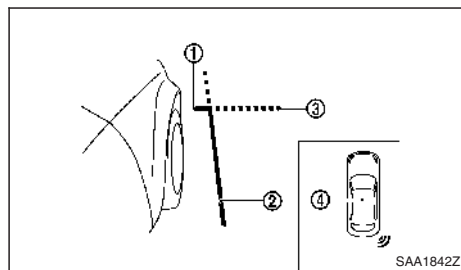
After the ignition switch is placed in the **ON** position, the non-viewable area ② is highlighted in yellow for 3 seconds after the bird's-eye view is displayed.

When the vehicle moves closer to an object, the parking sensor (sonar) indicators ③ (where fitted) appear. See "Camera aiding parking sensor (sonar) function (where fitted)" later in this section for more information.

WARNING

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

Front-side view



Guiding lines:

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

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

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

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

The parking sensor (sonar) indicator ④ (where fitted) will appear when a corner of the vehicle moves closer to an object. The parking sensor (sonar) indicator ④ (where fitted) can be turned off when the Front Sensor setting is turned off on the vehicle information display. See "[Driver Assistance]" in the "2. Instruments and controls" section.

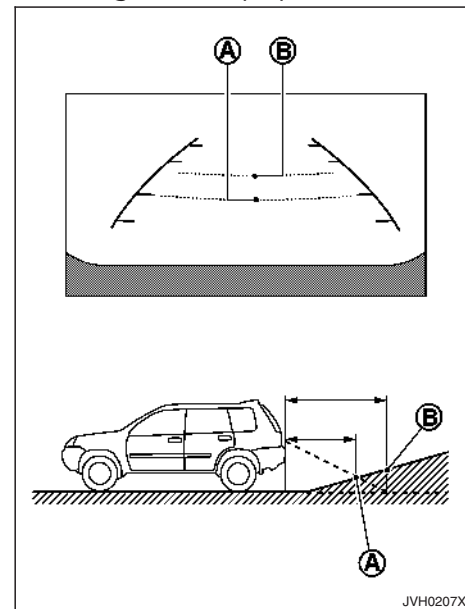
CAUTION

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

- **The turn signal light may overlap with the side-of-vehicle line. This is not a malfunction.**

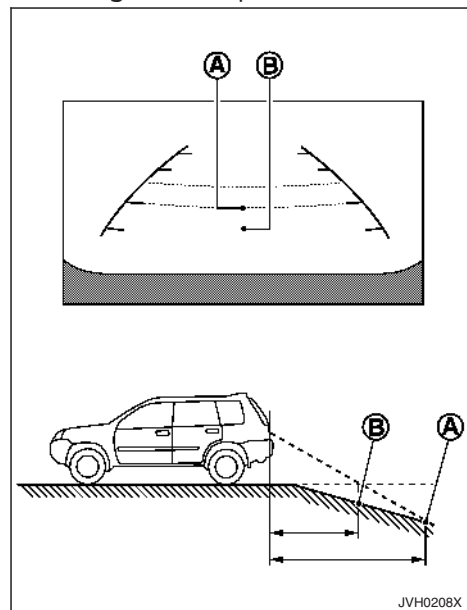
DIFFERENCE BETWEEN PREDICTIVE AND ACTUAL DISTANCES

Reversing on a steep uphill



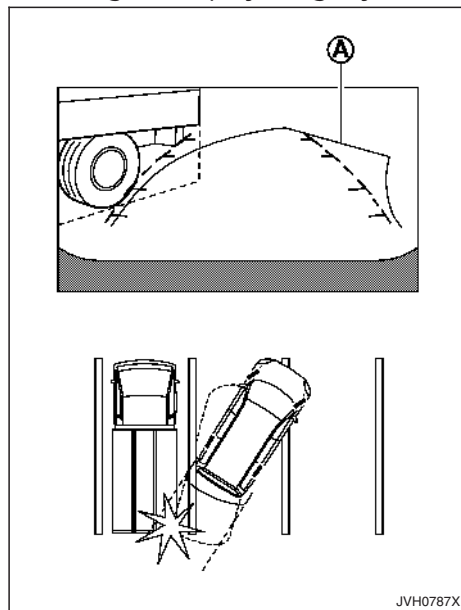
When reversing the vehicle up a hill, the distance guide lines and the vehicle width guide lines are shown closer than the actual distance. For example, the display shows 1 m (3 ft) to the place ①, but the actual 1 m (3 ft) distance on the hill is the place ②. Note that any object on the hill is viewed in the monitor further than it appears.

Reversing on a steep downhill



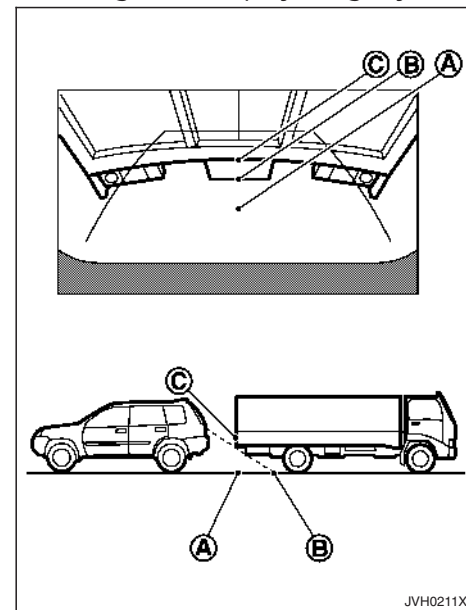
When reversing the vehicle down a hill, the distance guide lines and the vehicle width guide lines are shown further than the actual distance. For example, the display shows 1 m (3 ft) to the place ①, but the actual 1 m (3 ft) distance on the hill is the place ②. Note that any object on the hill is viewed in the monitor closer than it appears.

Reversing near a projecting object



The predictive course lines ① do not touch the object on the display. However, the vehicle may hit the object if it projects over the actual moving course.

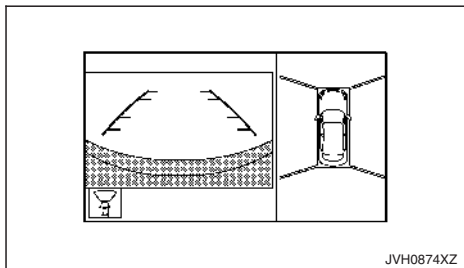
Reversing behind a projecting object



The position ③ is shown further than the position ② in the display. However, the position ③ is actually at the same distance as the position ①. The vehicle

may hit the object when reversing to the position (A) if the object projects over the actual moving course.

HOW TO SWITCH THE DISPLAY



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

The Intelligent Around View Monitor can display two split views.

If the shift lever is not in the R (Reverse) position, the available views are:

- Front view/bird's-eye view split screen
- Front view/front-side view split screen

If the shift lever is in the R (Reverse) position, the available views are:

- Rear view/bird's-eye view split screen
- Rear view/front-side view split screen
- Rear view

The display automatically changes to the Intelligent Around View Monitor displaying front view/bird's-eye view when:

- The shift lever is in the D (Drive) position and the parking sensor (where fitted) detects that the vehicle is approaching an object.

The display will switch back to the previously displayed screen from the Intelligent Around View Monitor screen when:

- The shift lever is in the D (Drive) position and the vehicle speed increases above approximately 10 km/h (6 MPH).
- A different screen is selected (when the shift lever is not in the R (Reverse) position).

CAMERA AIDING PARKING SENSOR (sonar) FUNCTION (where fitted)

WARNING

- **The parking sensor (sonar) function is not designed to prevent contact with small or moving objects.**
- **The colours of the parking sensor (sonar) indicator and the distance guide lines in the front/rear view indicate different distances to the object.**
- **Inclement weather may affect the function of the parking sensor (sonar) system; this may include reduced performance or a false activation.**

- **This function 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 that are too close to the bumper or on the ground.**
- **If your vehicle sustains damage to the bumper fascia, leaving it misaligned or bent, the sensing zone may be altered causing inaccurate measurement of obstacles or false alarms.**

CAUTION

Keep the interior of the vehicle as quiet as possible to hear the tone clearly.

The front and rear parking sensors (sonar) detect the distance between the vehicle and the obstacle by detecting the sound wave reflected from the surface of the obstacle. When there is a sound such as horn, or an ultrasonic source (such as parking sensors of other vehicles) around the vehicle, the sensor (sonar) may not detect objects properly.

When the vehicle moves closer to an object while the Intelligent Around View Monitor is displayed, an indicator is displayed and a tone is sounded by the parking sensor (sonar) function to warn the driver.

The colour of the parking sensor (sonar) indicator and the pattern of the tone vary according to the distance to the object.

Keep the parking sensor (sonar) (located on the front and rear bumper fascia) free from snow, ice and large accumulations of dirt. Do not clean the sensors (sonar) with sharp objects. If the sensors (sonar) are covered, the accuracy of the parking sensor (sonar) function will be diminished.

The tone sound and the sensor (sonar) indicator display can be turned on/off, and the volume of the tone sound and the sensor (sonar) detection range can be adjusted. (See “[Driver Assistance]” in the “2. Instruments and controls” section.)

MOVING OBJECT DETECTION (MOD) FUNCTION (where fitted)

The Moving Object Detection (MOD) system can inform the driver of moving objects when driving out of garages, manoeuvring into parking lots and in other such instances.

The MOD system detects moving objects by using image processing technology on the image shown on the display.

The MOD system operates in the following conditions when the camera view is displayed:

- When the shift lever is in the P (Park) or N (Neutral) position and the vehicle is stopped, the MOD system detects the moving objects in the bird's-eye view. The MOD system will not operate if the outside mirror is moving in or out or if either door is opened.
- When the shift lever is in the D (Drive) position and the vehicle speed is below approximately 8 km/h (5 MPH), the MOD system detects moving objects in the front view.

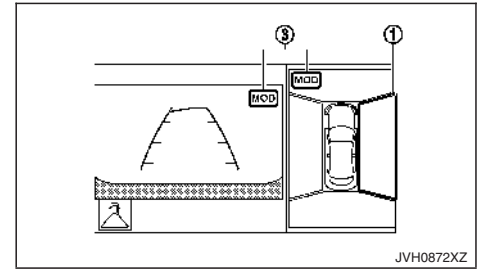
- When the shift lever is in the R (Reverse) position and the vehicle speed is below approximately 8 km/h (5 MPH), the MOD system detects moving objects in the rear view. The MOD system will not operate correctly if the back door is open.

The MOD system does not detect moving objects in the front-side view. The MOD icon is not displayed on the screen when in this view.

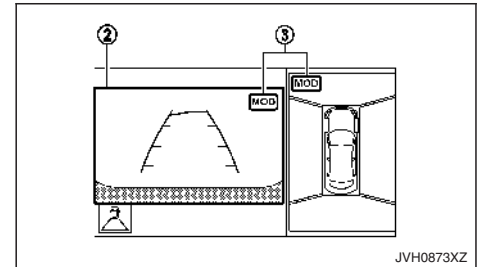
WARNING

- **The MOD system is not a substitute for proper vehicle operation and does not prevent contact with the objects surrounding the vehicle. When manoeuvring, always use the outside mirror and inside rearview mirror and turn and look to check the surroundings to make sure it is safe to manoeuvre.**
- **The system is deactivated at speeds above 10 km/h (6 MPH). It is reactivated at lower speeds.**
- **The system is not designed to prevent contact with all objects.**
- **The MOD system is not designed to detect surrounding stationary objects.**

When the MOD system detects a moving object surrounding the vehicle, the yellow frame will be displayed on the view where the objects are detected and a chime will sound once. While the MOD system continues to detect moving objects, the yellow frame continues to be displayed.



bird's-eye view



front view/rear view

In the bird's-eye view, the yellow frame ① is displayed on each camera image (front, rear, right, left) depending on where moving objects are detected.

The yellow frame ② is displayed on view in the front view or rear view modes.

While the sensor is beeping, the MOD system does not chime.

The MOD icon ③ is displayed in blue in the view where the MOD system is operative. The MOD icon ③ is displayed in grey in the view where the MOD system is not operative.

If the MOD system is turned off, the MOD icon ③ is not displayed.

The MOD system will activate automatically under the following conditions:

- When the shift lever is in the R (Reverse) position.
- When the <CAMERA> button is pushed to switch from a different screen to the camera view on the display.
- When vehicle speed decreases below approximately 8 km/h (5 MPH).
- When the ignition switch is placed in the **OFF** position and then back to the **ON** position.

The MOD system can be set to remain inactive in the vehicle information display. (See “[Driver Assistance]” in the “2. Instruments and controls” section.)

WARNING

- **Excessive noise (for example, audio system volume or open vehicle window) will interfere with the chime sound, and it may not be heard.**
- **The MOD system performance will be limited according to environmental conditions and surrounding objects such as:**
 - When there is low contrast between background and the moving objects.
 - When there is blinking source of light.

- **When strong light such as another vehicle's headlight or sunlight is present.**
- **When there is dirt, water drops or snow on the camera lens.**
- **When the position of the moving objects in the display is not changed.**

- **The MOD system might detect flowing water droplets on the camera lens, white smoke from the muffler, moving shadows, etc.**
- **The MOD system may not function properly depending on the speed, direction, distance or shape of the moving objects.**
- **If your vehicle sustains damage to the parts where the camera is installed, leaving it misaligned or bent, the sensing zone may be altered and the MOD system may not detect objects properly.**
- **When the temperature is extremely high or low, the screen may not display objects clearly. This is not a malfunction.**

NOTE

The blue MOD icon will change to orange if one of the following has occurred:

- When the system is malfunctioning.
- When the component temperature reaches a high level (icon will blink).
- When the Rear View camera has detected a blockage (icon will blink).

If the icon light continues to illuminate orange, have the MOD system checked by a NISSAN dealer or a qualified workshop.

Turning the MOD system on or off

The MOD system is turned on or off using the vehicle information display. See “[Driver Assistance]” in the “2. Instruments and controls” section.

Camera maintenance

If dirt, rain or snow accumulates on the camera, the MOD system may not operate properly. Clean the camera.

The camera washer operates automatically when dirt is detected on the camera during driving. The washer then stops operation after a period of time.

INTELLIGENT PARK ASSIST (where fitted)

The Intelligent Park Assist is designed to assist the driver with parallel and perpendicular parking.

This system will operate the steering wheel to park the vehicle in the parking space set by the driver on the bird's-eye view screen (perpendicular mode), or measured by parking sensors in the left/right side of the front bumper (parallel mode). Screen guidance for the shift lever operation is also provided during the parking manoeuvres.

WARNING

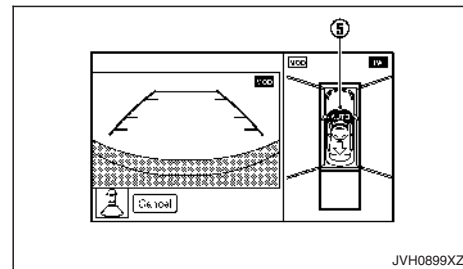
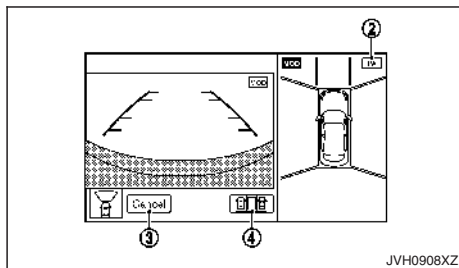
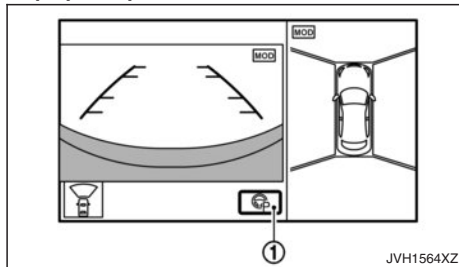
- **The Intelligent Park Assist is designed to support the driver's steering wheel operation in a parking lot. It does not automatically lower the vehicle speed or avoid contact with objects. As when performing ordinary parking manoeuvres, always look out the windows and check with your own eyes to be sure that the surrounding and road conditions are safe for the manoeuvres before operating the vehicle.**

Operate the vehicle slowly during the parking manoeuvres. If the vehicle gets close to people or objects near the vehicle, avoid making contact by using the brakes and performing other manoeuvres.

- Do not touch the spoke of the steering wheel while the Intelligent Park Assist is operating. It could cause injuries to hands or fingers. Keep neckties, scarves, etc. away from the steering wheel since they may get entangled and cause unexpected accidents.

Parallel parking

Displayed keys and icons:



Touch this key to activate the Intelligent Park Assist system.



The green PA icon indicates that the Intelligent Park Assist is operating.



Touch this key to cancel the Intelligent Park Assist operation.

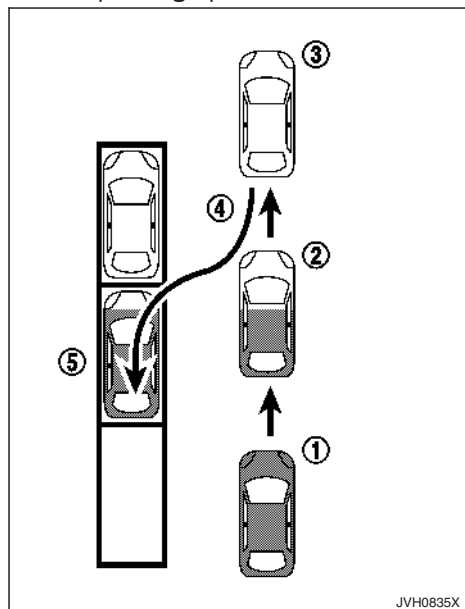


Touch this key to select perpendicular mode.

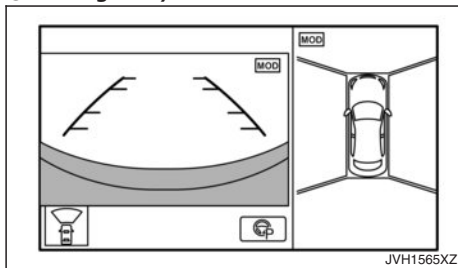



Indicates that an automated steering control is operating.

Parallel parking operation



① Starting the system:

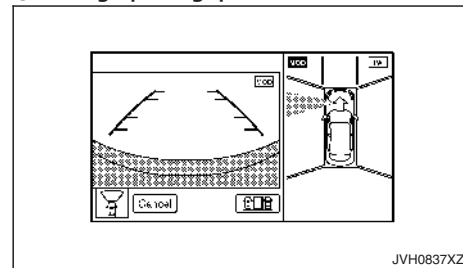


- Drive forward at reduced speed.
- Push the <CAMERA> button, and touch  on the display.

NOTE

- At a vehicle speed over 30 km/h (19 MPH), the system will close and the display will disappear.
- If the bird's-eye view is not displayed on the front passenger side of the screen, push the <CAMERA> button until the bird's-eye view is displayed.
- At a vehicle speed over 10 km/h (6 MPH), the camera view will not display.
- Parallel parking mode is selected by default.

② Finding a parking space:



- Slowly move the vehicle forward, and the system will search for a parking space.
- The system will indicate that a parking space has been found.

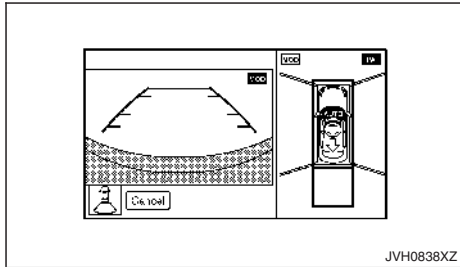
NOTE

- Use the turn signal switch to select the preferred side for parking.
- The system cannot detect a parking space that is not bordered by objects such as vehicles.

③ Moving the vehicle forward:

Slowly move the vehicle forward further to the position for reversing, and then stop the vehicle completely. The system will provide guidance using chime, indicating that the vehicle has reached the proper position for starting the automatic steering operation.

④ Moving the vehicle backward:



- Place the shift lever in the R (Reverse) position.
- Gently place hands on the steering wheel (the steering wheel will be operated automatically) and slowly move the vehicle in reverse into the parking space by moderating the amount of pressure you apply to the brake.
- Stop the vehicle completely when the vehicle reaches the proper position to change the movement direction. Then change the shift lever for forward or rearward movement. Repetitions of this operation may be required for aligning the vehicle straight.

NOTE

- **The system will guide the vehicle to a position where a direction change is required.**
- **A warning chime will sound when the vehicle speed exceeds the speed limit for the Intelligent Park Assist operation.**

⑤ Finishing the parking operation:

When the vehicle is positioned in the parking space, depress the brake and stop the vehicle. Touch the [Cancel] key to terminate the Intelligent Park Assist system.

NOTE

- **Make any necessary adjustments manually and make turns in reverse as required. Depending on the situation, shift lever operations may be required several times for manoeuvring the vehicle into the parking space.**
- **If the vehicle reaches the approximate area of the target parking space found, a chime will sound. A message indicating that the Intelligent Park Assist operation is finishing will appear on the display and the Intelligent Park Assist operation will terminate automatically.**

Deactivation of Intelligent Park Assist:

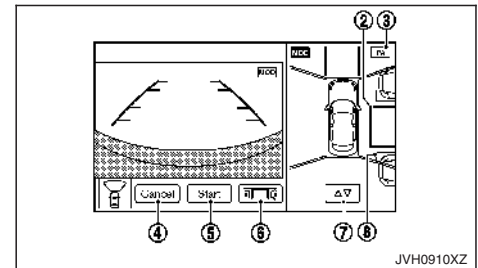
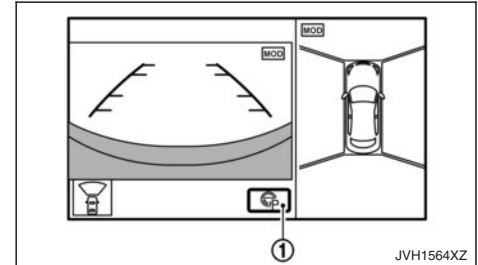
The Intelligent Park Assist will deactivate under the following conditions.

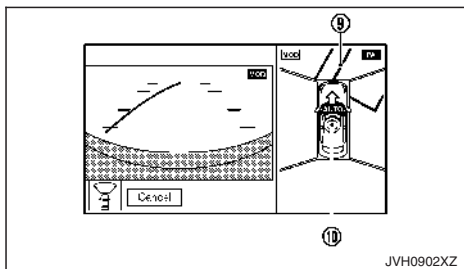
- When the steering wheel is operated manually.
- When the shift lever is placed in the P (Park) position.
- When 5 seconds have passed since the shift lever was placed and kept in the N (Neutral) position.
- When the system judges that the conditions (such as worn out or low pressure tyres, road conditions, etc.) are not suitable for correct course predictions.
- When the vehicle speed exceeds approximately 7 km/h (4 MPH).



- When the parking operation by the driver deviates from the Intelligent Park Assist guidance to some extent.



Perpendicular parking

Displayed keys and icons:

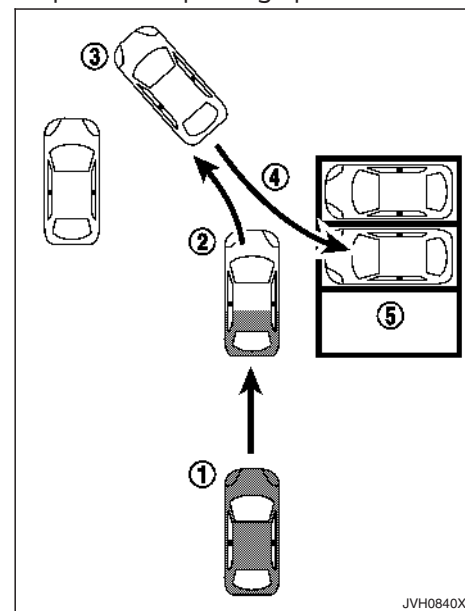





- ①  :
Touch this key to activate the Intelligent Park Assist system.
- ② Target parking rectangle (blue):
Indicates the target parking position.
- ③ **PA** :
The green PA icon indicates that the Intelligent Park Assist is operating.
- ④ Cancel:
Touch this key to cancel the Intelligent Park Assist operation.
- ⑤ Start:
Touch this key to start the Intelligent Park Assist operation.
- ⑥  :
Touch this key to select the parallel mode.

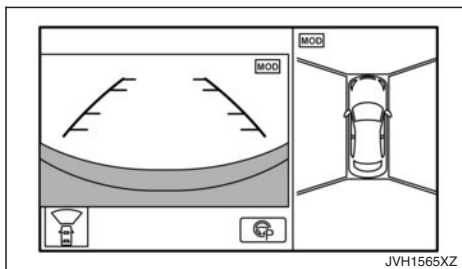
- ⑦  :
Touch this key to adjust the location of the target parking rectangle.
- ⑧ Clearance guidelines (red):
Indicates an approximate space required for parking.
- ⑨ Reverse starting position rectangle (green):
Indicates a position at which to make a turn in reverse.
- ⑩  :
Indicates that an automated steering control is operating.

Perpendicular parking operation




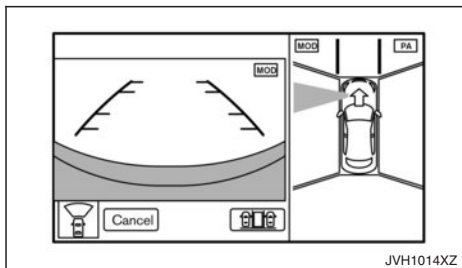
① Starting the system and selecting parking mode:

1. Stop the vehicle near the space where you wish to park.
2. Push the <CAMERA> button and touch  on the display.



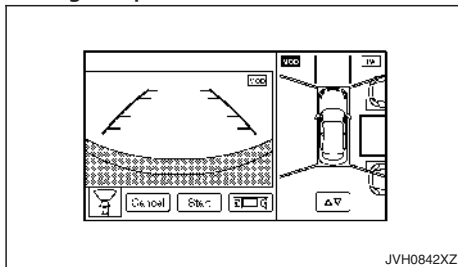
JVH1565XZ

3. Touch  to select the perpendicular parking mode.



JVH1014XZ

- ② Setting the target parking position and starting the operation:



JVH0842XZ

1. Slowly move the vehicle forward and stop approximately 1 m (3 ft) beside the parking space.


When the vehicle is stopped at parking lots with parking lines on the ground, the Intelligent Park Assist system will search for the lines and make fine adjustments to the target parking location automatically.

Fine adjustments by the driver may be required at parking lots without parking lines or when the automatic fine adjustments using the parking lines do not work.

Adjust the target parking rectangle (blue) position by touching .

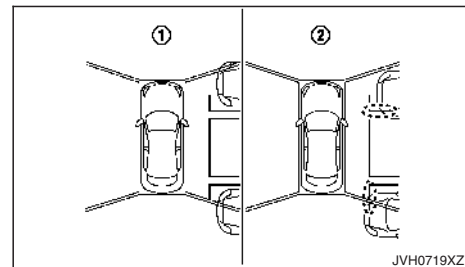
NOTE

- Use the turn signal switch to select a preferred side for parking.

- The target parking rectangle needs to be positioned near the actual parking space before fine adjustments can be made by touching . The instructions for vehicle movement during the adjustment are as follows.

- Check the position of the lines and rectangles with the actual parking space on the screen while the vehicle is not in motion.
- Move the vehicle at a low speed while checking the surroundings for safety with your own eyes.
- Stop the vehicle again to make sure that the vehicle position is in the right place.

- Make sure that any objects are located outside the clearance guidelines (red). Otherwise, the vehicle may hit the objects during the manoeuvres. Refer to the following examples.



JVH0719XZ

Examples of perpendicular parking

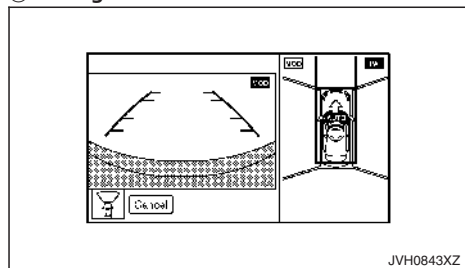
- ①: Good example
- ②: Bad example

2. Touch the [Start] key on the screen.

The Intelligent Park Assist operation can be started when the following conditions are met.

- The brake pedal is stepped on.
- The vehicle is completely stopped.
- The steering wheel is in the straight position.
- The shift lever is in the positions for forward movement, such as D (Drive) position.

③ Moving the vehicle forward:



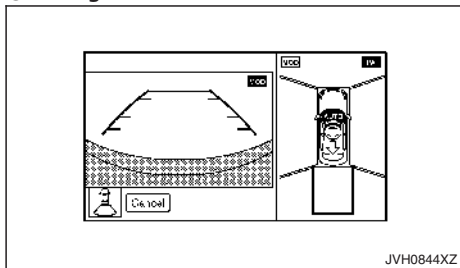
- Gently place hands on the steering wheel (the steering wheel will be operated automatically) and slowly move the vehicle forward to the reverse starting position rectangle (green) by moderating the amount of pressure you apply to the brake.
- Stop the vehicle completely when the vehicle reaches the reverse starting position rectangle (green).

- Depress the brake pedal and stop the vehicle completely when it approaches another vehicle or object, or when the vehicle reaches the reverse starting position.

NOTE

A warning chime will sound when the vehicle speed exceeds the speed limit for the Intelligent Park Assist operation.

④ Moving the vehicle backward:



- Place the shift lever in the R (Reverse) position.
- Gently place hands on the steering wheel (the steering wheel will be operated automatically) and slowly move the vehicle in reverse into the parking space by moderating the amount of pressure you apply to the brake.

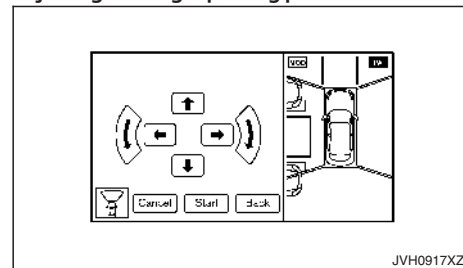
⑤ Finishing the parking operation:

When the vehicle is positioned in the parking space, depress on the brake and stop the vehicle. Touch the [Cancel] key to terminate the Intelligent Park Assist system.

NOTE

- **Make any necessary adjustments manually and make turns in reverse as required. Depending on the situation, shift lever operations may be required several times for manoeuvring the vehicle into the parking space.**
- **If the vehicle reaches the approximate area of the target parking space, a chime will sound. A message indicating that the Intelligent Park Assist operation is ending will appear on the display and the system will terminate automatically.**

Adjusting the target parking position:



When setting a target parking position, you can make a fine adjustment of the target parking rectangle (blue) position.

1. Touch **[Δ▽]** on the screen.
2. Touch the arrow on the screen for fine adjustments of the target parking rectangle (blue) position.

Make sure that any objects are located outside the clearance guidelines (red).

Operating tips:

- When the target parking rectangle (blue) does not fit in the actual parking space following the correct procedure, check the surroundings and adjust the location of your vehicle.
- Up to approximately 70 cm (27 in) of fine adjustments can be made.

Deactivation of Intelligent Park Assist:

The Intelligent Park Assist will deactivate under the following conditions.

- When the steering wheel is operated manually.
- When the shift lever is placed in the P (Park) position.
- When 5 seconds have passed since the shift lever was placed and kept in the N (Neutral) position.
- When reverse operations are conducted more than 15 times for steering corrections.
- When the system judges that the conditions (such as worn out or low pressure tyres, road conditions, etc.) are not suitable for correct course predictions.
- When the vehicle backs up to a position behind the place from which Intelligent Park Assist operation started.
- When the vehicle passes the reverse starting position by over 2 m (7 ft).
- When the vehicle speed exceeds approximately 7 km/h (4 MPH).

- When the parking operation by the driver deviates from the Intelligent Park Assist guidance to some extent.

Safety notes

WARNING

- **Do not drive looking only at the screen. It could cause unexpected accidents or cause the vehicle to contact surrounding objects.**
- **When assistance from the Intelligent Park Assist is no longer necessary, turn off the Intelligent Park Assist by touching the Cancel key on the screen. If the Intelligent Park Assist remains on, the steering wheel may operate automatically and may cause unexpected accidents.**
- **Make sure that there is enough space for parking manoeuvres before starting to use the Intelligent Park Assist.**
- **Keep in mind that the front of the vehicle may swing out towards oncoming traffic while the Intelligent Park Assist functions.**

CAUTION

Do not use the Intelligent Park Assist under the following conditions.

- On unpaved roads.
- On slippery roads such as snow-covered or frozen roads.
- On uneven roads with slants, bumps, kerbstones, wheel tracks, etc.
- On curved roads.

- **At mechanical parking facilities.**
- **Where parking or stopping is prohibited.**
- **When tyre chains or a spare tyre are installed.**
- **When the vehicle is being towed.**
- **When the doors (including the back door) are not closed.**
- **When transporting a load that protrudes from your vehicle.**
- **When the vehicle is laden with heavy loads.**

NOTE

- **Under the conditions listed below, there may be instances in which surrounding objects or vehicles cut into the vehicle pathway, or when the vehicle cannot be parked in the correct spot following the Intelligent Park Assist operation, etc.**
 - When the shift lever is operated while driving.
 - When sudden start, sudden stop or sudden operation of the shift lever occurs.
 - When the tyre pressure is too low or the tyre is worn out.
 - When tyres are installed that are of a different size from the ones that were equipped at the time of factory shipment.
- **When using the parallel parking mode, it is not always possible for the system to find an appropriate parking space and may indicate parking spaces that are not suitable for park-**

ing. Following are example conditions for which the system may not find a parking space correctly.

- Parking spaces with objects located above the height range of parking sensors (sonar) (i.e., overhanging loads, tail sections or loading ramps of goods vehicles).
- Parking spaces that are partially occupied by trailer drawbars.
- Parking spaces that are littered or overgrown.
- Parking spaces where a kerb exists (causing damage of the wheels and tyres).
- Parking spaces that are blocked by foliage, grass, paving, blocks, etc.
- Parking spaces bordered by an obstacle (i.e., a tree, a post or a trailer).
- Parking spaces with objects that absorb ultrasonic waves such as fabric and snow.
- During snowfall or heavy rain.
- Near objects that emits ultrasonic waves such as horns of other vehicle, noise from a motorcycle engine and large automobile air brake, or sensors (sonar) of surrounding vehicles.
- When the conditions surrounding the parking space change (i.e., another vehicle enters the target parking space after you pass it).

Operating tips:

- The parking sensor will automatically turn on when the Intelligent Park Assist is activated. When the Intelligent Park Assist operation ends, the status of the parking sensor will return to the mode that it was in before the Intelligent Park Assist was activated.
- Depending on the situation, the shift lever operations may be required several times.

Malfunction:

A warning message will be displayed and the system will terminate operation when a malfunction is detected in the Intelligent Park Assist.

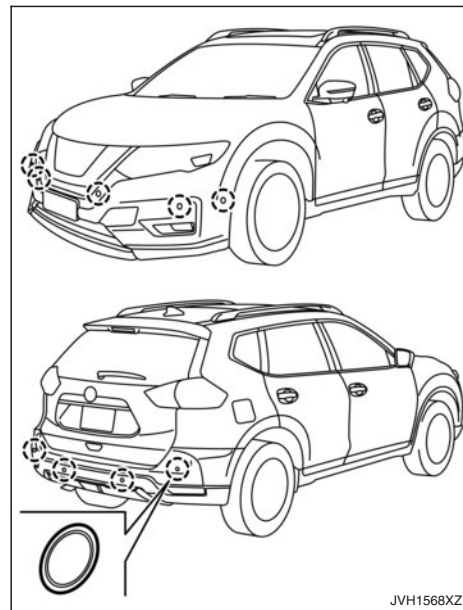
When the warning message is displayed during the Intelligent Park Assist operation, park the vehicle in a safe place and restart the engine.

If the warning message is shown on the display repeatedly or if the Intelligent Park Assist cannot be operated after restarting the engine, this may indicate a system malfunction. It should not hinder normal driving, but the vehicle should be inspected by a NISSAN dealer or a qualified workshop.

Maintenance

Refer to "Camera maintenance" earlier in this section for maintenance of the camera lens.

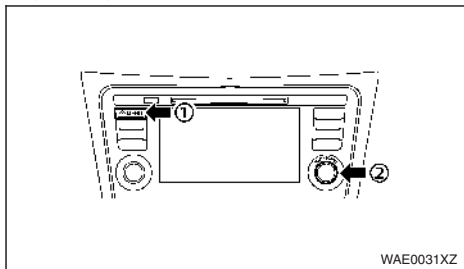
Blockages like dirt, ice, and objects such as stickers and accessories installed within the detection range of the parking sensor may cause incorrect function of the Intelligent Park Assist. Clean the sensors (sonar) regularly with care, and do not scratch or damage them.



Parking sensors (where fitted) are located on the bumpers.

HOW TO ADJUST THE SCREEN

Adjusting screen



Example

1. Push the MENU button ①.
2. Touch the [Settings] key.
3. Touch the [Camera] key.
4. Touch the [Display Settings] key.
5. Select the setting items you wish to adjust by touching or by turning and pushing the dial ②.

Available setting items:

- Brightness
- Contrast
- Tint
- Colour
- Black Level

OPERATING TIPS

CAUTION

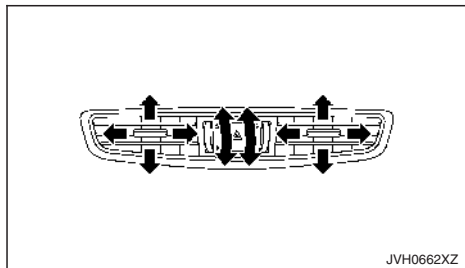
- **Do not use alcohol, benzine or thinner to clean the camera. This will cause discoloration. To clean the camera, wipe with a cloth dampened with a diluted mild cleaning agent and then wipe with a dry cloth.**
- **Do not damage the camera as the monitor screen may be adversely affected.**

- The screen displayed on the Intelligent Around View Monitor will automatically return to the previous screen when no operation takes place for 3 minutes after the <CAMERA> button has been pushed while the shift lever is in a position other than the R (Reverse) position.
- The display of images on the screen may be delayed after the screens are switched. Objects in the Intelligent Around View Monitor may be distorted momentarily until the Intelligent Around View Monitor screen is displayed completely.
- When the temperature is extremely high or low, the screen may not display objects clearly. This is not a malfunction.
- When strong light directly shines on the camera, objects may not be displayed clearly. This is not a malfunction.
- The screen may flicker under fluorescent light. This is not a malfunction.
- The colours of objects on the Intelligent Around View Monitor may differ somewhat from those of the actual object.



- Objects on the monitor may not be clear and the colour of the object may differ in a dark location or at night. This is not a malfunction.
- There may be differences in clearness between each camera view of the bird's-eye view.
- If dirt, rain or snow attaches to the camera, the Intelligent Around View Monitor may not display objects clearly. Clean the camera.
- Do not use wax on the camera window. Wipe off any wax with a clean cloth that has been dampened with a mild detergent diluted with water.

VENTS

CENTRE VENTS

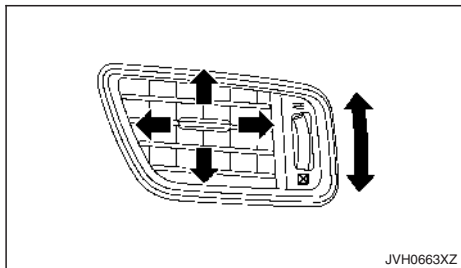


Open/close the vents by moving the control to either direction.



-  : This symbol indicates that the vents are open. Moving the side control to this direction will open the vents.
-  : This symbol indicates that the vents are closed. Moving the side control to this direction will close the vents.

Adjust the air flow direction of the vents by moving the centre knob (up/down, left/right) until the desired position is achieved.

SIDE VENTS

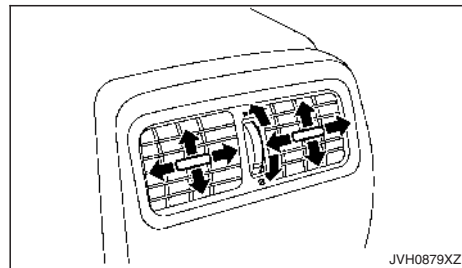


Open/close the vents by moving the control to either direction.



-  : This symbol indicates that the vents are open. Moving the side control to this direction will open the vents.
-  : This symbol indicates that the vents are closed. Moving the side control to this direction will close the vents.

Adjust the air flow direction of the vents by moving the centre knob (up/down, left/right) until the desired position is achieved.

REAR VENTS (where fitted)



Open/close the vents by moving the control to either direction.

-  : This symbol indicates that the vents are open. Moving the side control to this direction will open the vents.
-  : This symbol indicates that the vents are closed. Moving the side control to this direction will close the vents.

Adjust the air flow direction of the vents by moving the centre knob (up/down, left/right) until the desired position is achieved.

HEATER AND AIR CONDITIONER

WARNING

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

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

NOTE

- Condensation forms inside the air conditioning unit when the air conditioner (where fitted) 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.

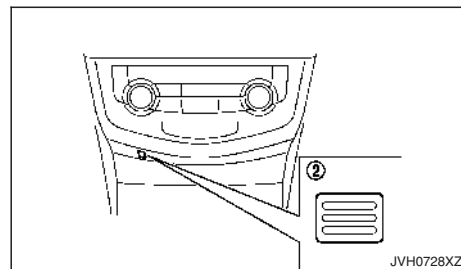
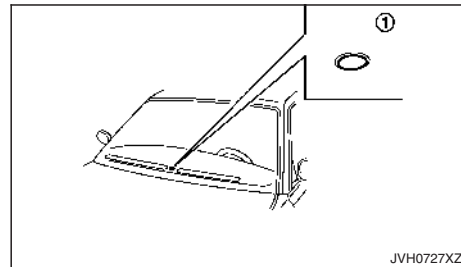
For models with Stop/Start System:

While the engine is stopped by the Stop/Start System, switching the airflow to the front defogger will cause the engine to automatically restart.

While the engine is running, selecting airflow to the front defogger will prevent the Stop/Start System from automatically stopping the engine.

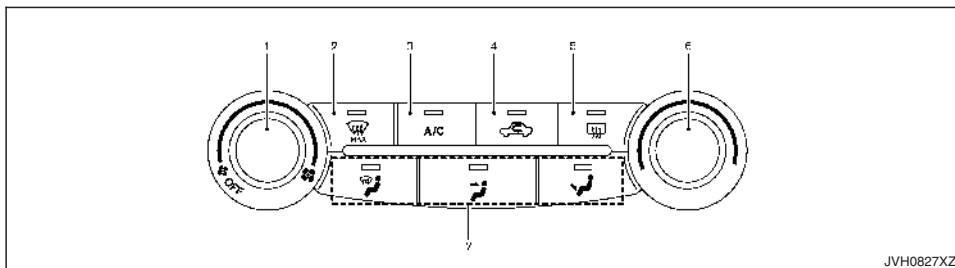
When the engine is stopped by the Stop/Start System, heater and air conditioner performance may be reduced. To keep full heater and air conditioner performance, restart the engine by pushing the Stop/Start OFF switch, or by placing the ignition switch in the ON position. For more details see "Stop/Start OFF switch" in the "5. Starting and driving" section.

OPERATING TIPS (for automatic air conditioner)







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 ① and ②, located on the instrument panel, help maintain a constant temperature. Do not put anything on or around the sensors.



MANUAL AIR CONDITIONER AND HEATER


1. Fan speed control  dial
2. Front defogger  MAX button
3. A/C button
4. Air recirculation  button
5. Rear window defogger  button (See "Defogger switch" in the "2. Instruments and controls" section.)
6. Temperature control dial
7. Air flow control buttons

For models with Stop/Start System:


The Stop/Start System will not activate when the front defogger is turned on.


Controls

Turning system on/off:

To turn on the system, turn the fan speed control  dial out of the OFF position. Turn the dial anticlockwise to the OFF position to turn off the system.

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.

Air flow control:



Push the air flow control buttons to select the air flow outlets. More than one air flow control button can be selected at a time.

 — Air flows mainly from centre and side vents.


 — Air flows mainly from the foot outlet.

 — Air flows mainly from the front defogger.

MAX defogging/defrosting:

Push the front defogger  MAX button to turn on the MAX defogging/defrosting mode and quickly defog/defrost the windscreen. When this mode is turned on, the A/C indicator light will turn on and the air circulation will be fixed at the outside air circulation mode. The  indicator light will also turn on. For the best performance, turn the temperature control dial to the maximum hot position and set the fan speed at its maximum.

Air intake control:

The air intake control mode will change each time the air recirculation  button is pushed.

- When the indicator light is turned on, the air recirculates inside the vehicle.
- When the indicator light is turned off, the air flow is drawn from outside the vehicle.




A/C (Air Conditioner) operation:

Push the A/C button to turn on or off the air conditioner. When the air conditioner is on, the A/C indicator light on the button illuminates.

Heater operation




Heating:

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

1. Push the air recirculation  button for normal heating. (The indicator light will turn off.)
2. Push the  button. (The indicator light will turn on.)
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 from the side and centre vents.

1. Push the air recirculation  button. (The indicator light will turn off.)
2. Push the  button. (The indicator light will turn on.)
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.

Heating and defogging:

This mode heats the interior and defogs the windows.

1. Push the air recirculation  button. (The indicator light will turn off.)




2. Push the  and  buttons. (The indicator lights will turn on.)
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.

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.

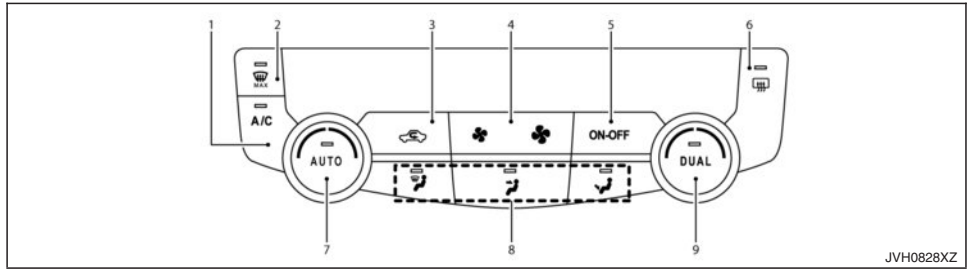
1. Push the air recirculation  button. (The indicator light will turn off.)
2. Push the  button. (The indicator light will turn on.)
3. Turn the fan speed control  dial to the desired position.
4. Push the A/C button. (The indicator light will turn on.)
5. Turn the temperature control dial to the desired position between the middle and the cool (left) position.

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. Push the air recirculation  button. (The indicator light will turn off)
2. Push the  button. (The indicator light will turn on.)
3. Turn the fan speed control  dial to the desired position.
4. Push the A/C button. (The indicator light will turn on.)
5. Turn the temperature control dial to the desired position between the middle and the hot (right) position.



JVH0828XZ

AUTOMATIC AIR CONDITIONER AND HEATER

1. A/C (Air Conditioner) button
2. Front defogger  MAX button
3. Air recirculation  button
4. Fan speed control  button
5. ON-OFF button
6. Rear defogger  button (See "Defogger switch" in the "2. Instruments and controls" section.)
7. <AUTO> button/Temperature control dial (for left side seat)
8. Air flow control buttons
9. <DUAL> button/Temperature control dial (for right side seat)

For models with Stop/Start System:

The Stop/Start System will not activate when the front defogger is turned on.

Turning the system on/off

Push the <ON-OFF> button to turn on and off the system.

Automatic operation (AUTO)

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


Cooling and dehumidified heating:


1. Push the <AUTO> button (the indicator light will turn on).
2. Turn the temperature control dial to set the desired temperature.
 - When the DUAL indicator light is not illuminated, pushing the <DUAL> button (the indicator light will turn on) allows the user to independently change the driver and passenger side temperatures with the corresponding temperature control dial.

- To cancel the separate temperature setting, push the <DUAL> button (the indicator light will turn off) and the driver's side temperature setting will be applied to both the driver and passenger sides.

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.

MAX defrosting/defogging:

Push the front defogger  MAX button to turn on the MAX defogging/defrosting mode and quickly defog/defrost the windscreen. When this mode is turned on, the fan will be at its maximum speed, the A/C indicator light will turn on, and the air circulation will be fixed at the outside air circulation mode.

Do not set the temperature too low when the front defogger mode is on (the  MAX indicator light is illuminated), because doing so may fog up the windscreen.

Manual operation


The manual mode can be used to control the heater and air conditioner to your desired settings.


Fan speed control:


Push the fan speed control button ( side or  side) to manually control the fan speed.

Air flow control:

Push one of the air flow control buttons to select or deselect the air flow outlets. More than one air flow control button can be selected at a time.

-  — Air flows mainly from the centre and side vents.

-  — Air flows mainly from the foot outlet and partly from the defogger.


-  — Air flows mainly from the front defogger outlets.

Temperature control:

Turn the temperature control dial to set the desired temperature.


- When the DUAL indicator light is not illuminated, pushing the <DUAL> button (the indicator light will turn on) allows the user to independently change the driver and passenger side temperatures with the corresponding temperature control dial.
- To cancel the separate temperature setting, push the <DUAL> button (the indicator light will turn off) and the driver's side temperature setting will be applied to both the driver and passenger sides.

Outside air circulation:

To turn on the outside air circulation mode, push the air recirculation  button. (The indicator light will turn off.) The air flow is drawn from outside the vehicle.

Select the outside air circulation mode for normal heating or air conditioning operation.

Air recirculation:

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

NOTE

Even if the system is manually set to the air recirculation mode, when outside temperature and coolant temperature are both low, the system may automatically switch to the outside air circulation mode.

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.

AUDIO SYSTEM (where fitted)

Air conditioner filter

The air conditioner system is equipped with an air conditioner filter. To make sure the air conditioner heats, defogs, and ventilates efficiently, replace the filter according to 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.

For models with NissanConnect:

Refer to NissanConnect Owner's Manual for the audio system operations.

AUDIO OPERATION PRECAUTIONS

WARNING

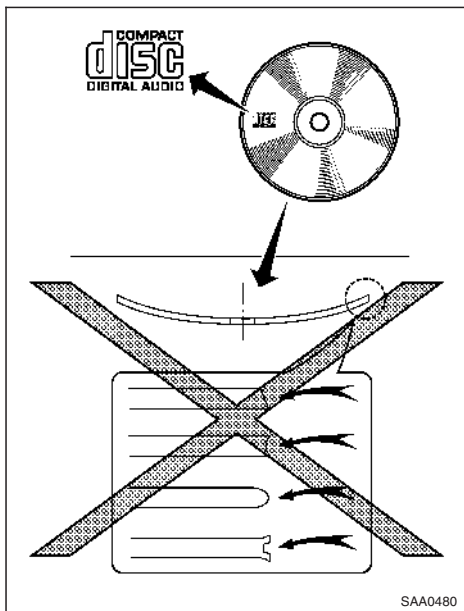
Do not adjust the audio system while driving so that full attention may be given to vehicle operation.

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.
- Some mobile phones or other devices may cause interference or a buzzing noise to come from the audio system speakers. Storing the device in a different location may reduce or eliminate the noise.

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)
- This audio system can only play prerecorded CDs. It has no capabilities to record or burn CDs.



- Do not use the following CDs as they may cause the CD player to malfunction.
 - 8 cm (3.1 in) discs
 - CDs that are not round
 - CDs with a paper label
 - CDs that are warped, scratched or have unusual edges.


- This audio system can only play prerecorded CDs. It has no capabilities to record or burn CDs.

USB (Universal Serial Bus) connection port

WARNING

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

CAUTION

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

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

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

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

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

- NISSAN audio system supports only accessories that Apple has certified and that come with the "Made for iPod/iPhone/iPad" logo.
- 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.
 - while using a hands-free phone
 - while checking a connection with a mobile phone
- The in-vehicle antenna for Bluetooth® communication is built in the system. Do not place the Bluetooth® audio device in an area surrounded by metal, far away from the system or in a narrow space where the device closely contacts the body or the seat. Otherwise, sound degradation or connection interference may occur.
- While a Bluetooth® audio device is connected through the Bluetooth® wireless connection, the battery power of the device may discharge 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 Visteon Corporation and Robert Bosch GmbH.

Compact Disc (CD)/USB device with MP3/WMA

Terms:

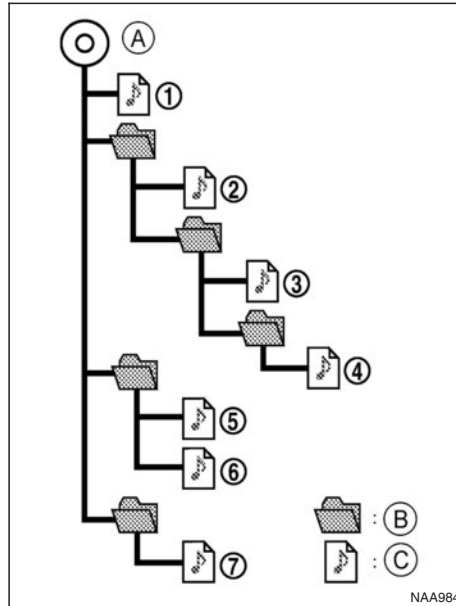
- MP3 — MP3 is short for Moving Pictures Experts Group Audio Layer 3. MP3 is the most well known compressed digital audio file format. This format allows for near "CD quality" sound, but at a fraction of the size of normal audio files. MP3 conversion of an audio track from CD can reduce the file size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

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Playback order:



- (A) Root folder
- (B) Folder
- (C) Audio file

Music playback order of the CD with MP3/WMA is as illustrated above.

- The folder names of folders not containing MP3/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, so the files might not play in the desired order.

Specification chart (for CD player/Radio):

Supported media		CD, CD-R, CD-RW, USB2.0	
Supported file systems		ISO9660 LEVEL1, ISO9660 LEVEL2, Romeo, Joliet * ISO9660 Level 3 (packet writing) is not supported. * Files saved using the Live File System Component (on a Windows Vista-based computer) are not supported.	
Supported versions*1	MP3	Version	MPEG1, MPEG2, MPEG2.5
		Sampling frequency	8 kHz - 48 kHz
		Bit rate	32 kbps - 320 kbps, VBR*4
	WMA*3	Version	WMA7, WMA8, WMA9 (except WMA9 Pro, WMA9 Lossless, WMA9 Voice)
		Sampling frequency	32 kHz - 48 kHz
		Bit rate	32 kbps - 192 kbps, VBR*4
Tag information (Song title and Artist name)		ID3 tag VER1.0, VER1.1, VER2.2, VER2.3, VER2.4 (MP3 only)	
		WMA tag (WMA only)	
Folder levels		Folder levels: 8, Folders:255 (including root folder), files: 512	
Displayable character codes*2		01: ASCII, 02: ISO-8859-1, 03: UNICODE (UTF-16 BOM Big Endian), 04: UNICODE (UTF-16 Non-BOM Big Endian), 05: UNICODE (UTF-8), 06: UNICODE (Non-UTF-16 BOM Little Endian)	

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

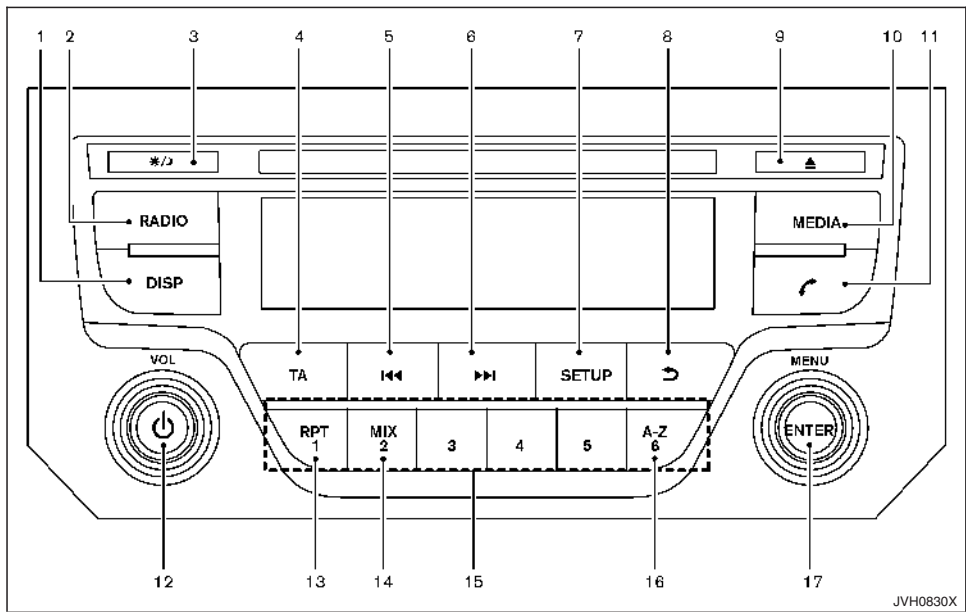
*2 Available codes depend on what kind of media, versions and information are going to be displayed.

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

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

Troubleshooting guide:

Symptom	Cause and Countermeasure
Cannot play	Check if the disc was inserted correctly.
	Check if the disc is scratched or dirty.
	Check if there is condensation inside the player, and if there is, wait until the condensation is gone (about 1 hour) before using the player.
	If there is a temperature increase error, the CD player will play correctly after it returns to the normal temperature.
	If there is a mixture of music CD files (CD-DA data) and MP3/WMA files on a CD, only the music CD files (CD-DA data) will be played.
	Files with extensions other than ".MP3", ".WMA", ".mp3" or ".wma" cannot be played. In addition, the character codes and number of characters for folder names and file names should be in compliance with the specifications.
	Check if the disc or the file is generated in an irregular format. This may occur depending on the variation or the setting of MP3/WMA writing applications or other text editing applications.
	Check if the finalisation process, such as session close and disc close, is done for the disc.
Check if the disc is protected by copyright.	
Poor sound quality	Check if the disc is scratched or dirty or if the bit rate may be too low.
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" or ".wma", or when play is prohibited by copyright protection, 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.



- 13. RPT (repeat) button
- 14. MIX button
- 15. Station memory buttons
- 16. A-Z button
- 17. MENU/ENTER dial

FM-AM RADIO WITH COMPACT DISC (CD) PLAYER

- 1. DISP (Display) button
- 2. RADIO button
- 3. Day/Night button
- 4. TA button
- 5. Seek/track (rewind) button
- 6. Seek/track (fast forward) button
- 7. SETUP button
- 8. Back button
- 9. CD eject button
- 10. MEDIA button
- 11. Phone button
- 12. Power/VOL (Volume) dial

Audio main operation

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



Power/VOL dial:

Power ON/OFF:

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

The system will turn on in the mode, which was used immediately before the system was turned off.

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

Volume control:

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

Turn the Power/<VOL> dial clockwise to make the sound louder.

Turn the Power/<VOL> dial anticlockwise to make the sound quieter.



SETUP button:

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

1. Push the <SETUP> button.
2. Turn the <MENU/ENTER> dial to select the setting item from the following:

Audio ⇄ Clock ⇄ Radio ⇄ Language

3. Push the <MENU/ENTER> dial.

After the desired levels have been set, push the Back button repeatedly or push the <SETUP> button.

Audio adjustments:

Turn the <MENU/ENTER> dial to select Audio, and push the <MENU/ENTER> dial.

Turn the <MENU/ENTER> dial to select the preferred audio setting item and then push the <MENU/ENTER> dial.

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

The items that can be set for Audio are shown below:

● Sound menu

Bass:

Use this control to enhance or attenuate bass response sound.

Treble:

Use this control to enhance or attenuate the treble.

Bal. (Balance):

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

Fade:

Use this control to adjust the balance of the volume between the front and the rear speakers.

● AUX in menu

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

● Speed Vol. (Volume) menu

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.

● Bass Boost menu

Turn on or off the Bass Boost feature which emphasises the lower audio frequencies.

● Audio Default menu

The audio unit has a saved preset settings as a factory default. Select [Yes] to change all settings back to the factory preset settings. Select [No] to exit the menu keeping the current settings.

Clock setting:

Turn the <MENU/ENTER> dial to select the Clock and push the <MENU/ENTER> dial.

Turn the <MENU/ENTER> dial to select the preferred clock setting item and then push the <MENU/ENTER> dial.

The items that can be set for Clock are shown below:

● Set Time

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

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

- **ON/OFF**

The clock display can be turned on and off. When [ON] is selected, the clock will be displayed. (The clock will keep being displayed even after the power of the audio unit is turned off). When [OFF] is selected, the clock will not be displayed.

- **Format**

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

Radio setting:

Turn the <MENU/ENTER> dial to select Radio and push the <MENU/ENTER> dial.

Turn the <MENU/ENTER> dial to select the preferred radio setting item and then push the <MENU/ENTER> dial.

The items that can be set for Radio are shown below:

- **TA (where fitted)**

Set the Traffic Information to on or off. When turned on, Traffic Information will interrupt the currently playing music and inform the driver of any traffic information when it is received.

- **DAB Interrupts (where fitted)**

DAB interruption category can be selected from the list for setting. When the selected information is received, it will inform the driver of the information, interrupting the music playing at the time.

- **Ref. FM List**

The list of FM stations that can be received will be updated.

- **Ref. DAB List (where fitted)**

The list of DAB stations that can be received will be updated. DAB List is updated automatically when not in DAB source.

- **DAB EPG (where fitted)**

Electronic Program Guide (EPG) for DAB is designed to offer similar features for the user as television EPG, but for radio and associated data services:

- display of schedules with programs and events
- searching through current and future programs lists
- etc.

- **Intellitext (where fitted)**

Intellitext messages are a special format of DL (Dynamic Label) messages that provide data like sport or news.

Language setting:

Turn the <MENU/ENTER> dial to select Language and push the <MENU/ENTER> dial.

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



Day/Night button:

Push the Day/Night button to switch the display brightness between the daytime and nighttime modes.

The switches on the audio unit will also illuminate in the nighttime mode.



Phone button:

For operation on how to use phone button, see "Bluetooth® Hands-Free Phone System (for type A audio)" later in this section.



MEDIA button:

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

Each time the <MEDIA> button is pushed, the audio source will change as follows:

CD → USB (iPod) → Bluetooth → AUX → CD

Any source that is not available will be skipped.

Radio operation

Frequency range and step change:

To change the frequency range and step specification of the radio, perform the following operations.

1. Turn on the audio system.
2. Push the <RADIO> button and select AM or FM mode.
3. Push and hold the <SETUP> button for more than 3 seconds.
4. After the 3 seconds, keep holding the <SETUP> button and turn the <MENU/ENTER> dial anticlockwise until you hear 3 clicks, clockwise until you hear 3 clicks, and then anticlockwise until you hear 3 clicks.
5. Turn the <MENU/ENTER> dial until [Region] is highlighted, and push the <MENU/ENTER> dial.
6. Select an appropriate region.

7. To apply the setting, turn off the audio system, place the ignition switch in the [OFF] position, and then place the ignition switch back in the [ON] position.

RADIO

RADIO button:

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

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

To change the radio bands, push the <RADIO> button until the desired band appears.

For models with DAB

FM 1 → FM 2 → DAB 1 → DAB 2 → AM → FM 1

Pushing and holding the <RADIO> button will update the station list.

For models without DAB

FM 1 → FM 2 → AM → FM 1

Pushing and holding the <RADIO> button will update the station list.



Seek/track buttons:

Push or button briefly to manually change the frequency.

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

Station memory buttons:

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

For models with DAB

The audio system can store up to 12 FM station frequencies (6 in each of FM 1 and FM 2), 6 AM station frequencies and 12 DAB station frequencies (6 in each of DAB 1 and DAB 2).

For models without DAB

The audio system can store up to 12 FM station frequencies (6 in each of FM 1 and FM 2) and 6 AM station frequencies.

To store the station frequency manually:

1. Tune to the desired broadcasting station frequency.
2. Push and hold a station memory button - until a beep sounds. (The radio mutes when the memory button is pushed.)
3. The station indicator will display, 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 station memory will be erased. In the event of this, reset the desired stations.

Radio Data System (RDS) operation:

The RDS is a system through which encoded digital information is transmitted by FM radio stations in addition to the normal FM radio broadcasting. The RDS provides information services such as station name, traffic information, or news.

NOTE

In some countries or regions, some of these services may not be available.

Alternative Frequency (AF) mode

The AF mode operates in the FM (radio) mode.

- The AF mode operates in the FM (radio), AUX or CD mode (if FM was previously selected in the radio mode).
- The AF function compares signal strengths and selects the station with the optimum reception conditions for the currently tuned-in station.

RDS functions

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.

TA (Traffic announcement) button:

The TA functions are available in the mode of Radio (FM) or any other audio source.

- Pushing the <TA> button selects the TA mode. The TA indicator is displayed while TA mode is on.
- When the <TA> button is pushed again. The mode will be switched off and the TA indicator will disappear from the display.

Traffic announcement interrupt function

When a traffic announcement is received, the announcement is tuned in and the display shows a notification message with the radio station name.

Once the traffic announcement has finished, the unit returns to the source that was active before the traffic announcement started.

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

Digital Audio Broadcast (where fitted):

DAB (Digital Audio Broadcast) is a standard for digital radio broadcast.

Various pieces of information selected by the driver (Travel, Warning, News, Weather, Sport, etc.) can be received and will be provided to the driver.

DAB Interrupts

When the DAB Interrupts setting is selected, the received information will appear on the display.

CD player operation

Loading:

Insert a CD into the slot with the label side facing up. The CD will be guided automatically into the slot and will start playing. After 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.

MEDIA

MEDIA button:

To change to the CD mode, push the <MEDIA> button with a CD inserted until the CD mode is selected.

List view:

While the track is being played, push the <MENU/ENTER> dial to display the available tracks in a listed view mode. To select a track from the list, or a track to start listening to, turn the <MENU/ENTER> dial then push <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 <MENU/ENTER> dial to the first alphabetic letter of the song title and then push the <MENU/ENTER> dial. When found, a list of the available songs will be displayed. Select, and push the <MENU/ENTER> dial to play the preferred track.



Seek/track button:

Push and hold the Seek/track 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 Seek/track button once, the track will skip forward to the next track or backward to the beginning of the current track. Push the Seek/track button more than once to skip through the tracks.

Folder browsing:

If the recorded media contains folders with music files, pushing the Seek/track button will play the tracks of each folder in sequence.

To select a preferred folder:

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

If the current selected folder contains sub folders, push the <MENU/ENTER> dial, a new screen with a list of sub folders will be displayed. Turn the <MENU/ENTER> dial for the sub folder then push the <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 the 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 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 when available.

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 name → Album title → Track time

Track details:

Pushing and holding the <DISP> button will turn the display into a detailed overview. Push the Back button to return to the previous screen.

CD eject button:

When the CD eject button is pushed while the ignition switch is placed in the ON or ACC position, the CD will be ejected.

If a CD is ejected by pushing the CD eject button, and it is not taken out from the loading slot within 20 seconds, the CD will automatically be reloaded to the slot to protect the CD.

USB (Universal Serial Bus) Connection Port


USB device main operation:

The USB connection port is located on the lower part of the instrument panel. See “USB (Universal Serial Bus) connection port” later in this section. Connect a USB memory device into the connection port. The USB memory device will be activated automatically.

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

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

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

- List view
- Quick search
-  (Seek/track)
- MIX (Random play)
- RPT (Repeat track)
- Folder browsing

MEDIA MEDIA button:

To operate the USB memory device, push the <MEDIA> button repeatedly until the USB mode is selected.

DISP DISP button:

While a track with recorded music information tags (ID3-tags) is being played, the title of the played track is displayed.

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

Track time → Artist → Album → Track time

Track details:

Pushing and holding the <DISP> button will turn the display into a detailed overview. Push the Back button to return to the display for the main display mode.

iPod player operation

Connecting iPod:

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

The USB connection port is located on the lower part of the instrument panel. See “USB (Universal Serial Bus) connection port” later in this section.

When the iPod is connected to the vehicle, the iPod music library can only be operated by the vehicle audio controls.

Compatibility:

The system unit shall be compatible with all devices (past and future) supporting Apple Accessory Protocol on USB link, including (and not limited to):

- iPod Classic G6 (Firmware version 1.0.0 -)
- iPod Nano G5 (Firmware version 1.0.1 -)
- iPod Nano G6 (Firmware version 1.0 -)
- iPod Nano G7 (Firmware version 1.0.0 -)
- iPod Touch G4 (iOS 4.1 -)
- iPod Touch G5 (iOS 6.0.0 -)
- iPhone 3G (iOS 2.1 -)
- iPhone 3GS (iOS 3.0 -)
- iPhone 4 (iOS 4.0 -)
- iPhone 4S (iOS 4.0 -)

- iPhone 5 (iOS 6.0.0 -)
- iPhone 5c (iOS 6.0.0 -)
- iPhone 5s (iOS 6.0.0 -)
- iPhone 6 (iOS 8.0.0 -)
- iPhone 6 Plus (iOS 8.0.0 -)
- iPhone 6s (iOS 9.0.0 -)
- iPhone 6s Plus (iOS 9.0.0 -)

NOTE

This audio system does not support iPad charging.

MEDIA MEDIA button:

To operate the iPod, push the <MEDIA> button repeatedly until the USB (iPod) mode is selected and then push the <MENU/ENTER> dial.

iPod main operation:

Interface:

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

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

- Playlists
- Artists
- Albums
- Tracks
- More

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
- ⏮ ⏭ (Seek/track)
- MIX (Random play)
- RPT (Repeat track)
- Folder browsing

DISP DISP button:

While a track with recorded music information tags (ID3-tags) is being played, the title of the played track is displayed.

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

Track time → Artist → Album → Track time

Track details:

Pushing and holding the <DISP> button will turn the display into a detailed overview. To return to the main display, push the Back button.

Bluetooth® audio player operation

Regulatory information:

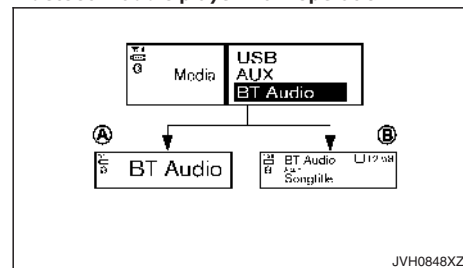


Bluetooth® is a trademark owned by Bluetooth SIG, Inc. and licensed to Visteon Corporation.

NOTE

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

Bluetooth® audio player main operation:



To play Bluetooth® audio, the Bluetooth® audio device needs to be paired to the in-vehicle system. For the pairing operation, see "Bluetooth® settings" later in this section.

When an Apple device is connected via the USB connection port and Bluetooth®, the device will be recognised as a Bluetooth® device. The battery of the Apple device is charged while the cable is connected to the USB connection port.

MEDIA MEDIA button:

To operate the Bluetooth® audio streaming, push the <MEDIA> button repeatedly until [BT Audio] is shown.

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



Fast Forward (Cue), Fast Reverse (Review) buttons:

When ►► (Cue) or ◄◄ (Review) 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 buttons:

Pushing ►► (Cue) or ◄◄ (Review) button once, the track will be skipped forward to the next track or backward to the beginning of the current played track. Push ►► (Cue) or ◄◄ (Review) 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 <DISP> will turn the display into a detailed overview which after a few seconds returns to the main display; or push <DISP> briefly.

AUX device player operation

The AUX jack is located on lower part of the instrument panel. (See "AUX (Auxiliary) input jack" later in this section.) The AUX input jack accepts any standard analog audio input such as from a portable cassette tape/CD player, MP3 player or laptop computer.

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.

MEDIA

MEDIA button:

To switch to the AUX mode, push the <MEDIA> button repeatedly until the AUX mode is selected.

NISSANCONNECT APP SMARTPHONE INTEGRATION (where fitted)

This vehicle is equipped with Smartphone Integration technology. This allows many compatible Smartphone applications to be displayed and easily controlled through the vehicle's touchscreen.

NOTE

A compatible smartphone and registration is required to use mobile applications or to access connected features of certain vehicle applications.

Registering with NissanConnect App

To use the Smartphone Integration feature, it is necessary for the user to register. In order to register, visit the NissanConnect website for more information and to sign up. Once registered, download the NissanConnect Mobile App from your compatible phone's application download source and then log into the application.

Connecting phone

To use this feature, a compatible smartphone must be connected via Bluetooth® or USB to the vehicle. For the Bluetooth® connecting procedure, see "Bluetooth® Hands-Free Phone System (for type A audio)" later in this section.

NOTE

- **For models with Navigation System, Apple iPhone must be plugged via USB for NissanConnect Apps to function.**
- **For models without Navigation System, Apple iPhone must be paired via Bluetooth® for NissanConnect Apps to function.**
- **For Android phones, NissanConnect Apps REQUIRES the phone to be paired via Bluetooth®.**

Application download

Once connected, the NissanConnect Mobile App will search your phone to determine which compatible applications are currently installed. The vehicle will then download the in-vehicle interface for each of these compatible applications. Once downloaded, the user can access many smartphone Applications through the vehicle touchscreen by pushing the INFO button followed by touching the [My Apps] key. For more information on application availability visit the NissanConnect website.

USB (Universal Serial Bus) CONNECTION PORT

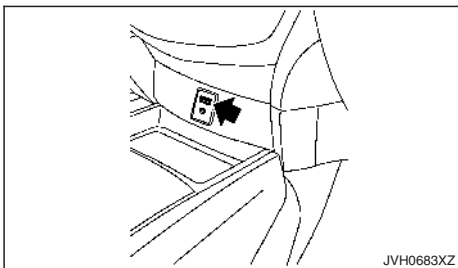
WARNING

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

CAUTION

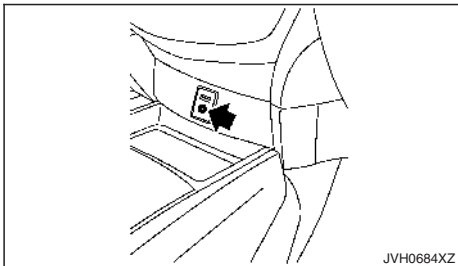
- **Do not force the USB device into the USB connection port. Inserting the USB device tilted or up-side-down into the USB connection port may damage USB connection the port. Make sure that the USB device is connected correctly into the USB connection port.**
- **Do not grab the USB connection port cover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

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



The USB connection port is located on the lower part of the instrument panel. Insert USB devices or iPod connectors into this port.

AUX (Auxiliary) INPUT JACK



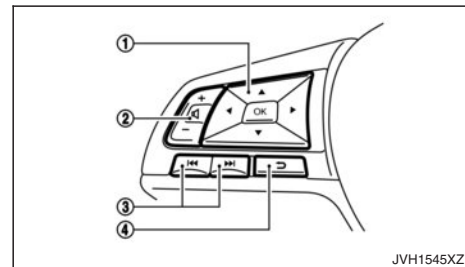
The AUX input jack is located on the lower part of the instrument panel. Compatible audio devices, such as some MP3 players, can be connected to the system through the AUX input jack.

Before connecting a device to a jack, turn off the power of the portable device.

With a compatible device connected to the jack, push the corresponding button (depends on the audio system) repeatedly until the display switches to the AUX mode.

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.

STEERING WHEEL MOUNTED CONTROLS FOR AUDIO



1. Menu control buttons/<OK> button
2. Volume control buttons
3. Tuning buttons
4. Back button

Menu control buttons/<OK> button

Push the ◀▶ buttons and switch the vehicle information display to audio mode. Push the <OK> button until the preferred available audio source is selected.

Volume control buttons

Push the + or - button to increase or decrease the volume.



Tuning buttons

Push the ▶▶ / ◀◀ buttons to select a station or track.

Depending on the status of the vehicle information display, the tuning buttons cannot be used for audio control.

Radio:

- Pushing ▶▶ / ◀◀ shorter
Next or previous preset station
- Pushing ▶▶ / ◀◀ longer
Next or previous station

CD, iPod, USB device or Bluetooth® audio:

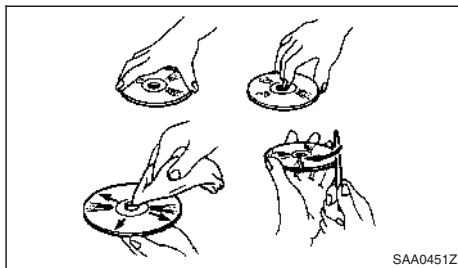
- Pushing ▶▶ / ◀◀ shorter
Next track or the beginning of the current track (the previous track if the button is pushed immediately after the current track starts playing)
- Pushing ▶▶ / ◀◀ longer
Forward or rewind

Back button

Push the Back button to return to the previous screen or cancel the current selection.

DISC/USB MEMORY CARE AND CLEANING

Disc



- 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.

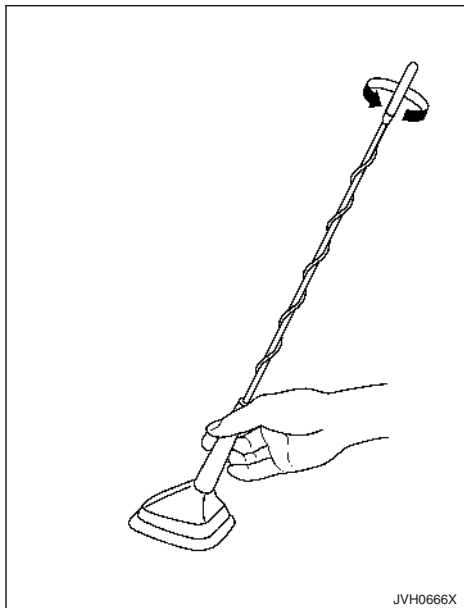
USB memory

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

Refer to the USB memory owner's manual for the details.

ANTENNA

ROD ANTENNA (where fitted)



The antenna can be removed if necessary.

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

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

CAUTION

To avoid damaging or deforming the antenna, be sure to remove the antenna under the following conditions.

- The vehicle enters an automatic car wash.
- The vehicle enters a garage with a low ceiling.
- The vehicle is covered with a car cover.

SHARK FIN ANTENNA (where fitted)

The shark fin antenna is located on the rear part of the vehicle roof.

CAUTION

When washing the vehicle, do not apply high pressure water directly to the seal of the antenna. It may damage the seal of the antenna.

BLUETOOTH® HANDS-FREE PHONE SYSTEM (for type A audio)

*Type A is for models 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 you find yourself unable to devote full attention to vehicle operation while using the phone, pull off the road to a safe location and stop your vehicle before doing so.

CAUTION

To avoid draining the vehicle battery, use a phone after starting the engine.

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

To use the Bluetooth® Hands-Free Phone System, your mobile phone must first be setup. For details, see "Bluetooth® settings" later in this section. Once it has been setup, 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, and steering wheel mounted control buttons enable hands-free communication.

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

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

- The mobile phone is too far away from the vehicle.
- The Bluetooth® mode on your mobile phone has not been activated.
- Your mobile phone has not been paired with the Bluetooth® system of the audio unit.
- The mobile phone does not support Bluetooth® technology.

NOTE

- For details, see your mobile phone's owner's manual.
- For assistance with your mobile phone integration, please visit your local NISSAN dealer or qualified workshop.

REGULATORY INFORMATION

Bluetooth® trademark



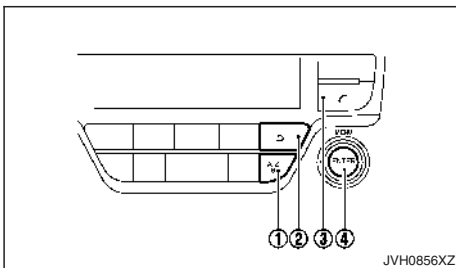
Bluetooth® is a trademark owned by Bluetooth SIG, Inc. and licensed to Visteon Corporation.

NOTE

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

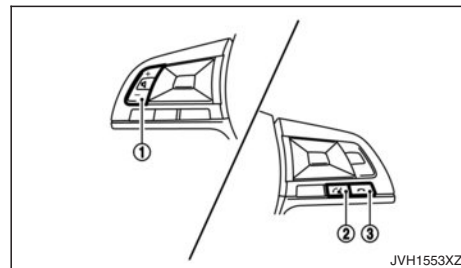
CONTROL BUTTONS AND MICROPHONE

Instrument panel:



1. Phonebook quick search button
2. Back button
3. Phone button
4. <MENU/ENTER> dial

Steering wheel mounted control:



1. Volume control buttons

Push the buttons to increase or decrease the volume of the speakers.

2. Phone send button

- Accept an incoming call by pushing once.
- Redial the last outgoing call by pushing the button for more than 2 seconds.

3. Phone end button


- Reject an incoming call by pushing the button during an incoming call.
- End an active call by pushing the button once.

Microphone:




Microphone is located near the map lights.

BLUETOOTH® SETTINGS

Pairing device

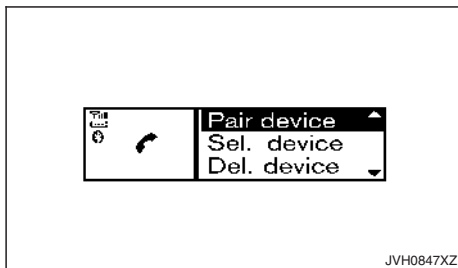
Enter the phone setup menu via the <  > button on the instrument panel, select the [Bluetooth] key, and then check if the Bluetooth® is set to on. (If not push the <MENU/ENTER> dial to turn it on.)

To setup the Bluetooth® system to pair (connect or register) your preferred mobile phone, follow the following procedure.

1. To pair a device, select the [Scan device] key or the [Pair device] key on the display.
 2. A notification message will be displayed when the phone is successfully paired.
 3. The display will return to the current audio source status after the connection is complete.
- While the Bluetooth® connection is active, the following icons will appear on the display.
 -  Signal strength indicator
 -  Battery status indicator*
 -  : Bluetooth® connection ON indicator
- *: If low battery is indicated, the Bluetooth® device must be recharged soon.
- Up to five different Bluetooth® devices can be registered. However, only one device can be used at a time. If five different Bluetooth® registered devices are registered, a new device can only replace one of the five existing paired devices.
 - The pairing procedure and operation may vary according to device type and compatibility. See the Bluetooth® device owner's manual for further details.

Setting items

To set up the Bluetooth® system with a device, the following items are available:




- Scan device
Shows all available visible Bluetooth® devices and initializes Bluetooth® connection from the audio unit.
- Pair device
Initializes Bluetooth® connection from the mobile device.
- Sel. device
Paired Bluetooth® devices are listed and can be selected for connection.
- Del. device
A registered Bluetooth® device can be deleted.
- Settings
Sets the phone volume, ringtone, and allows the phonebook from your mobile phone to be downloaded to the system. See "General settings" later in this section.

- Bluetooth

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

Scan device:

1. Push the <  > button on the instrument panel. Select [Scan device] key. The audio unit searches for the Bluetooth® devices and shows all devices that were found.

Make sure your Bluetooth® device is available at this time.

2. Select the device to be paired using the <MENU/ENTER> dial.

3. The pairing procedure depends on the device being connected:

- a. Device without PIN code:

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

- b. Device with PIN code:

Two different ways of pairing are possible depending on the device:

For models with DAB

The message [Pairing request] and [Confirm password] together with a 6-digit code will be displayed. The unique and identical code should be displayed on the device. If the codes are identical, confirm on the device.

The Bluetooth® connection will be made.

For models without DAB


The message [To pair] and [Enter Pin] together with a 4-digit code will be displayed.

Confirm the PIN code on the device. The Bluetooth® connection will be made.

Pair device:

- Turn on the Bluetooth® on the audio unit. See "Bluetooth" later in this section.

- Use the audio unit to pair:

Push the  button on the instrument panel. Select the [Pair Device] key.

The pairing procedure depends on the Bluetooth® device to be connected:

- 1) Device without PIN code:

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

- 2) Device with PIN code:

Two different ways of pairing are possible depending on the device. For the correct procedure details, see "Scan device" earlier in this section.

- Use the Bluetooth® audio/mobile phone device to pair:

For models with DAB

- 1) Switch on the search mode for Bluetooth® devices. If the search mode finds the audio unit, it will be shown on the device display.
- 2) Select the unit device shown as [My Car].

- 3) Enter the number code shown on the relevant Bluetooth® device with the device's own keypad, and push the confirmation key on the device and the <MENU/ENTER> dial on the audio unit.

For models without DAB

- 1) Switch on the search mode for Bluetooth® devices.

If the search mode finds the audio unit it will be shown on the device display.

- 2) Switch on the search mode for Bluetooth® devices.

Select the unit device shown as [My Car].

- 3) Enter the number code shown on the relevant device with the device's own keypad, and push the confirmation key on the Bluetooth® device.

When an Apple device is connected via the USB connection port and Bluetooth®, the device will be recognised as a Bluetooth® device. The battery of the Apple device is charged while the cable is connected to the USB connection port.


Refer to the relevant Bluetooth® device owner's manual for further details.

Sel. device:

The paired device list shows which Bluetooth® audio or mobile phone devices have been paired or registered to the system. Select the appropriate device to connect to the system.

The following icons (where fitted) indicate the capability of the registered device:

-  : Mobile phone integration

-  : Audio streaming (A2DP - Advanced Audio Distribution Profile)


Del. device:

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


Settings:

Sets the phone volume, ringtone, and allows the phonebook from your mobile phone to be downloaded to the system. See "General settings" later in this section.

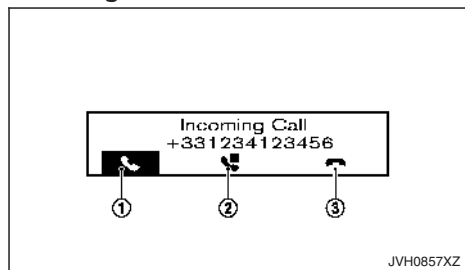
Bluetooth:

If the Bluetooth® signal has been turned off, a notification message [ON/OFF] appears when you select [Bluetooth] from the phone menu. (Push the  button to display the phone menu.) To turn the Bluetooth® signal on, push the <MENU/ENTER> dial and a follow up screen will appear. Select [ON] and push the <MENU/ENTER> dial to display the Bluetooth® settings menu screen.

USING THE SYSTEM



The hands-free mode can be operated using the  button on the instrument panel.

Receiving a call







When receiving an incoming call, the display on the audio unit will show the caller's phone number (or a notification message that the caller's phone number cannot be shown) and three operation icons as illustrated. To highlight different icons, turn the <MENU/ENTER> dial. Push the <MENU/ENTER> dial to select the highlighted icon.

① Answering and during a call:

Answer the call by selecting  on the display or by pushing  on the steering wheel.




During the call, the following icons are available:

- :
Select this item to end the call.
- :
Select this item to put the call on hold.
- :
Select this item to transfer the call from the hands-free phone system to your mobile phone.



- :
Select this item to transfer the call back to the hands-free phone system from the mobile phone.

- #123:
Select this item to enter numbers during a call. For example, use this function when directed by an automated phone system to dial an extension number.

② Putting a call on hold:

To put a call on hold, select . Select  to return to the call. To reject the call select .

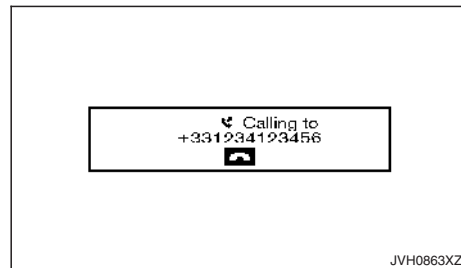
③ Rejecting a call:

To reject an incoming call, select  or by pushing  on the steering wheel.

Making a call

WARNING

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



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

- Making a call from the phonebook
- Manually dialing a phone number
- Redialing
- Using call history (Call List menu)
 - Dialed
 - Received
 - Missed

Making a call from the phonebook:

Once the Bluetooth® connection has been made between the registered mobile phone and the hands-free phone system, phonebook data will be transferred automatically to the hands-free phone system. The transfer may take a while before completion.

NOTE

Phone book data will be erased when:

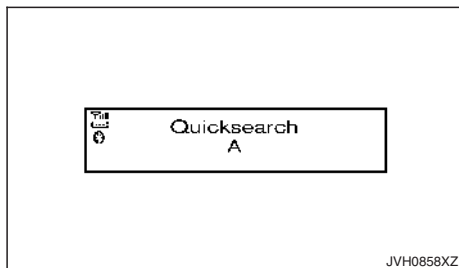
- Switching to another registered mobile phone.
- Mobile phone is disconnected.
- The registered mobile phone is deleted from the audio system.

1. Push the <☎> button on instrument panel.
2. Turn the <MENU/ENTER> dial to highlight [Phone Book] and push the <MENU/ENTER> dial.
3. Scroll down through the list, select the appropriate contact name (highlighted), and push the <MENU/ENTER> dial.
4. The screen will show the number to be dialled. Push the <MENU/ENTER> dial to dial the number.

If more than one number is registered, select an appropriate icon.

-  : Home
-  : Mobile phone
-  : Office

Quick searching the phonebook:



The quick search mode can be used as follows:

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

Manually dialling a phone number:



To dial a phone number manually, perform the following operation:

1. Push the <☎> button on the instrument panel and turn the <MENU/ENTER> dial to highlight [Dial Number].
2. Push the <MENU/ENTER> dial to select [Dial Number].
3. Turn the <MENU/ENTER> dial to scroll along and highlight each number of the phone number. Push the <MENU/ENTER> dial to select the highlighted number.

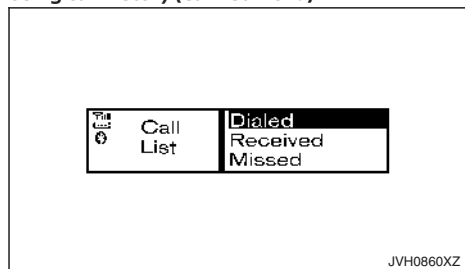
To delete the last number entered, scroll to the [←] (Backspace symbol) and once highlighted, push the <MENU/ENTER> dial. The last number will be deleted. Pushing the <MENU/ENTER> dial repeatedly will delete each subsequent number.

4. After entering the last number, highlight the <☎> icon and push the <MENU/ENTER> dial to dial the number.

Redial:

To redial or call the last number dialed, push and hold the <📞> button on the instrument panel or on the steering wheel for more than 2 seconds.

Using call history (Call list menu):



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

1. Push the <📞> button on the instrument panel and select [Call List] on the display.
2. Turn the <MENU/ENTER> dial and scroll to an item, and push the <MENU/ENTER> dial to select an item.

Available items:

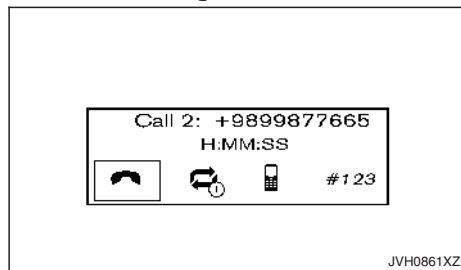
- Dialed
Use the dialed call mode to make a call which is based on the list of outgoing (dialed) calls.
- Received
Use the received call mode to make a call which is based on the list of received calls.

- Missed

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

3. Scroll to the preferred phone number and push the <MENU/ENTER> dial or the <📞> button on the instrument panel.

Second incoming call



Whenever there is a second incoming call is shown in the display. By selecting the 📞 icon the call is accepted and the current call is put on hold.

Selecting the 📞 icon using the <MENU/ENTER> dial rejects the second incoming call. When this is done during the conversation it ends the call.

Selecting the 📞 icon using the <MENU/ENTER> dial switches the call on line between the first and the second call.

Ending a call

To end an active call, highlight the 📞 icon and push the <MENU/ENTER> dial or push the <📞> button on the steering wheel.

Standby mode operation (for models with DAB)

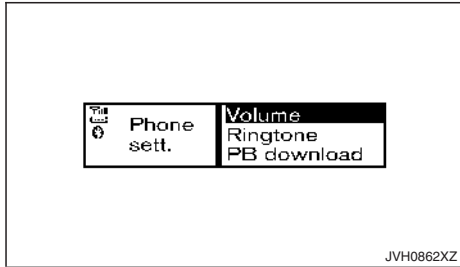
The audio system is in the standby mode when the audio system is not active, but the clock is displayed on the screen.

When a phone device is connected to the in-vehicle audio system via Bluetooth® with the audio system in the standby mode, the audio system will turn on automatically under the following instances.

- The connected phone receives an incoming call
- An outgoing call is made with the connected phone

The Bluetooth® Hands-Free Phone System operation will become possible on the audio system once it is turned on. The audio system will automatically return to the standby mode after the call is hung up.

GENERAL SETTINGS



Using the <MENU/ENTER> dial, highlight [Settings] from the phone menu and push the <MENU/ENTER> dial.

Volume settings and manually downloading the phonebook can be done using this menu.

Menu operation:

Turn the <MENU/ENTER> dial to change the highlighted item and to change the volume settings.

Push the <MENU/ENTER> dial to select the highlighted item and to apply the setting.

Menu items:

- Volume
 - Ring
Set the phone ringing volume.
 - Call
Set the volume of the conversation during a call.

- Ringtone
 - Car
Switch the ringtone to ring from the vehicle or the mobile phone.
 - Phone
Switch the phone ringing volume on or off.
- PB download
Download the phonebook of the mobile device to the audio unit manually.

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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 these recommendations may result in shortened engine life and reduced engine performance.

- Do not drive at a constant speed, either fast or slow, for long periods of time.
- Do not run the engine over 4,000 rpm.
- Do not accelerate at full throttle in any gear.
- Do not start quickly.
- Do not brake hard as much as possible.
- Do not tow a trailer for at least the first 800 km (500 miles).

BEFORE STARTING ENGINE

WARNING

The driving characteristics of your vehicle will change remarkably by any additional load and its distribution, as well as by adding optional equipment (trailer coupling, roof racks, etc.). Your driving style and speed must be adjusted according to the circumstances. Especially when carrying heavy loads, your speed must be reduced adequately.

- Make sure the area around the vehicle is clear.
- Visually inspect tyres for their appearance and condition. Measure and check the tyre pressure for proper inflation.
- Check that all windows and lights are clean.
- Adjust the seat and head restraint positions.
- Adjust the inside and outside rearview mirror positions.
- Fasten your seat belt and ask all passengers to do the same.
- Check that all doors are closed.
- Check the operation of the warning lights when the ignition switch is placed in the ON position.
- Maintenance items in the "8. Maintenance and do-it-yourself" section should be checked periodically.

PRECAUTIONS WHEN STARTING AND DRIVING

WARNING

- Never leave children or adults who would normally require the support of others alone in your vehicle. Pets should not be left alone either. They could unknowingly activate switches or controls, or move the vehicle, 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 speed control to the highest level to circulate the air.
- If electrical wiring or other cable connections must pass to a trailer through the seal of the back door or the body, follow the manufacturer's recommendation to prevent carbon monoxide entry into the vehicle.

- If a special body or other equipment is added for recreational or other usage, follow the manufacturer's recommendation to prevent carbon monoxide entry into the vehicle. (Some recreational vehicle appliances such as stoves, refrigerators, heaters, etc. may also generate carbon monoxide.)
- The exhaust system and body should be inspected by a qualified mechanic whenever:
 - Your vehicle is raised while being serviced.
 - You suspect that exhaust fumes are entering into the passenger compartment.
 - You notice a change in the sound of the exhaust system.
 - You have had an accident involving damage to the exhaust system, underbody, or rear of the vehicle.

THREE-WAY CATALYST (where fitted)

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. (See "Recommended Fluids/lubricants and capacities" 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 your engine tuned up. Malfunctions in the ignition, fuel injection, or electrical systems may cause overrich fuel to flow into the three-way catalyst, causing it to overheat. Do not keep driving if the engine misfires, or if noticeable loss of performance or other unusual operating conditions are detected. Have the vehicle inspected promptly by a NISSAN dealer 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.

GASOLINE PARTICULATE FILTER (GPF) (where fitted)



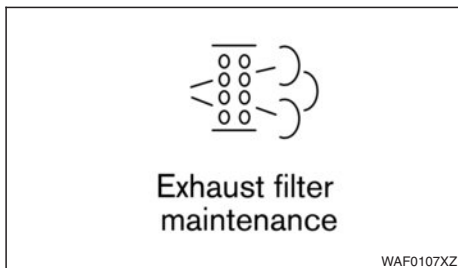
If your vehicle is fitted with a petrol engine, a Gasoline Particulate Filter (GPF) (or Petrol Particulate Filter) may be fitted as part of the emission control system.

The GPF filters carbon particles from the exhaust gas, thus reducing the emission of soot to the environment.

Under normal driving conditions, the accumulated carbon particles in the GPF are burned-off regularly, thus emptying the filter of carbon particles. In this way, the GPF is “regenerated” and again fully operational to filter out the carbon particles from the exhaust gas as intended.

CAUTION

- Under certain less-favourable driving conditions, the GPF may become saturated/clogged because these driving conditions prevent automatic regeneration of the filter. In this case, a message is displayed in the vehicle information display and the Malfunction Indicator Light (MIL - orange) or Malfunction Warning Light (MWL - red) may come on (although there may be other engine management malfunctions that may cause this light to come on). Also, GPF saturation/clogging may result in reduced engine performance and engine speed limitation.



- When the [Exhaust filter maintenance] message appears, provided that legal and safety conditions allow, the vehicle should be driven at a speed of over 50 km/h (30 MPH), with gentle use of the accelerator pedal, until the message is no longer displayed.
- Should the MIL or MWL come on for any reason, or if the [Exhaust filter maintenance] warning message appears in the vehicle information display, always visit a NISSAN dealer or qualified workshop as soon as possible. Extended driving with the MIL/MWL illuminated may lead to damage to the engine control system.

What you can do yourself to prevent the GPF from becoming saturated/clogged:

- Avoid repeated and frequent short journeys in which the engine does not reach its normal operating temperature.

- Regularly drive the vehicle at speeds over 60 km/h for an extended period of time (more than 30 minutes).

TURBOCHARGER SYSTEM (where fitted)

The turbocharger system uses engine oil for lubrication and cooling of its rotating components. The turbocharger turbine turns at extremely high speeds and it can reach an extremely high temperature. It is essential to maintain a clean supply of oil flowing through the turbocharger system. A sudden interruption of oil supply may cause a malfunction in the turbocharger.

To ensure prolonged life and performance of the turbocharger, it is essential to comply with the following maintenance procedure.

CAUTION

- Change the engine oil according to the recommended intervals shown in a separate maintenance booklet.
- Use only the recommended engine oil. See “Recommended Fluids/lubricants and capacities” in the “9. Technical information” section.
- If the engine has been operating at high rpm for an extended period of time, let it idle for a few minutes prior to turn off.
- Do not accelerate your engine to high rpm immediately after starting it.

TYRE PRESSURE MONITORING SYSTEM (TPMS) (where fitted)

Each tyre, including the spare (if provided), should be checked monthly when cold and inflated to the inflation pressure recommended by the vehicle manufacturer on the vehicle placard or 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 telltale when one or more of your tyres is significantly under-inflated. Accordingly, when the low tyre pressure telltale illuminates, you should stop and check your 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 illumination of the TPMS low tyre pressure telltale.

Your vehicle has also been equipped with a TPMS malfunction indicator to indicate when the system is not operating properly. The TPMS malfunction indicator is combined with the low tyre pressure telltale. When the system detects a malfunction, the

telltale will flash for approximately one minute and then remain continuously illuminated. This sequence will continue upon subsequent vehicle start-ups as long as the malfunction exists. When the malfunction indicator is illuminated, the system may not be able to detect or signal low 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 telltale 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

- Since the spare tyre is not equipped with the TPMS, 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.

- Tyre pressure rises and falls depending on the heat caused by the vehicle's operation and the outside temperature. Do not reduce the tyre pressure after driving because the tyre pressure rises after driving. Low outside temperature can lower the temperature of the air inside the tyre which can cause a lower tyre inflation pressure. This may cause the low tyre pressure warning light to illuminate. If the warning light illuminates in low ambient temperature, check the tyre pressure for all four tyres.
- 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.
- You can check the pressure of all tyres in the vehicle information display. (See "Trip computer" in the "2. Instruments and controls" section.)

For additional information, see "Low tyre pressure 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 or the TPMS may be malfunctioning. If you have a flat tyre, replace it with a spare tyre as soon as possible. If no tyre is flat and all tyres are properly inflated, have the vehicle checked by a NISSAN dealer or qualified workshop.
- After adjusting the tyre pressure, be sure to reset the TPMS. Otherwise, the TPMS will not warn of low tyre pressure.
- Since the spare tyre is not equipped with the TPMS, 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 tyre, as this may cause a malfunction of the tyre pressure sensors.

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.

The low tyre pressure warning light may illuminate in the following cases:

- If the vehicle is equipped with a wheel and tyre without TPMS.

- If the TPMS has been replaced and the ID has not been registered.
- If the wheel is not originally specified by NISSAN.

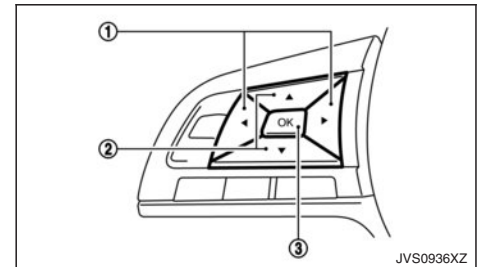
TPMS resetting

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

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.
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.



Steering-wheel-mounted controls (left side)

ON-PAVEMENT AND OFF-ROAD DRIVING PRECAUTIONS

5. Press the ◀▶ button ① until [Settings] appears.
6. Use the ▲▼ buttons ② until [Tyre Pressures] is selected, and press <OK> ③.
7. Use the ▲▼ buttons ② until [Calibrate] is selected, and press <OK> ③.
8. Use the ▲▼ buttons ② until [Start] is selected, and press <OK> ③ to reset the TPMS. When the TPMS resetting starts, the message [TPMS resetting] will be displayed.
9. After resetting the TPMS, drive the vehicle for several minutes 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 warning light (where fitted)" in the "2. Instruments and controls" section.

Utility vehicles have a significantly higher rollover rate than other types of vehicles.

They have higher ground clearance than passenger cars to make them capable of performing in a wide variety of on-pavement and off-road applications. This gives them a higher centre of gravity than ordinary cars. An advantage of higher ground clearance is a better view of the road, allowing you to anticipate problems. However, they are not designed for cornering at the same speeds as conventional passenger cars any more than low-slung sports cars are designed to perform satisfactorily under off-road conditions. If at all possible, avoid sharp turns or abrupt manoeuvres, particularly at high speeds. As with other vehicles of this type, failure to operate this vehicle correctly may result in loss of control or vehicle rollover.

CARE WHEN DRIVING

Driving your vehicle to fit the circumstances is essential for your safety and comfort. As a driver, you should be the one who knows best how to drive in the given circumstances.

ENGINE COLD START PERIOD

Due to the higher engine speeds, when the engine is cold, extra caution must be exercised when selecting a gear during the engine warm-up period after starting the engine.

LOADING LUGGAGE

Loads and their distribution and the attachment of equipment (coupling devices, roof luggage carriers, etc.) will considerably change the driving characteristics of the vehicle. Your driving style and speed must be adjusted according to the circumstances.

DRIVING IN WET CONDITIONS

- Avoid accelerating or stopping suddenly.
- Avoid sharp turning or lane changing suddenly.
- Avoid following too close to the vehicle in front.

When water covers the road surface with water puddles, small water streams, etc., reduce speed to prevent hydroplaning which can cause skidding and loss of control. Worn tyres will increase this risk.

DRIVING IN WINTER CONDITIONS

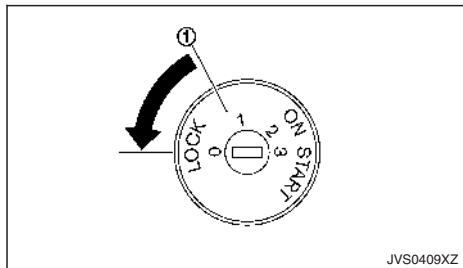
- Drive cautiously.
- Avoid accelerating or stopping suddenly.
- Avoid sharp turning or lane changing suddenly.
- Avoid sudden steering.
- Avoid following too close to the vehicle in front.

IGNITION SWITCH (model without Intelligent Key system)

WARNING

Never remove the key or place the ignition switch in the LOCK position while driving. 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.

DUAL CLUTCH TRANSMISSION (DCT)



JVS0409XZ

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. Place the ignition switch to the LOCK position.
4. Remove the key.

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 footbrake pedal depressed.

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

STEERING LOCK

To lock steering wheel

1. Place the ignition switch in the LOCK position.
2. Remove the key, if it is inserted in the ignition switch.
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 (OFF)/LOCK (ACC) (0)

- The ignition key can only be removed at this position.
- The steering lock can only be locked at this position.
- The electrical accessory power activates without the engine turned on. (ACC position)

OFF/OFF(ACC) (1)

- The engine is turned off with the steering wheel unlocked.
- The electrical accessory power activates without the engine turned on. (ACC position)

ON (2)

The ignition system and the electrical accessory power activate without the engine turned on.

START (3)

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.

PUSH-BUTTON IGNITION SWITCH (model with Intelligent Key system)

PRECAUTIONS ON PUSH-BUTTON IGNITION SWITCH OPERATION

WARNING

Do not operate the push-button ignition switch while driving the vehicle except in an emergency. (The engine will stop when the ignition switch is pushed 3 consecutive times or the ignition switch is pushed and held for more than 2 seconds.) The steering wheel will lock and could cause the driver to lose control of the vehicle. This could result in serious vehicle damage or personal injury.

Before operating the push-button ignition switch, be sure to move the shift lever to the P (Park) position.

INTELLIGENT KEY SYSTEM

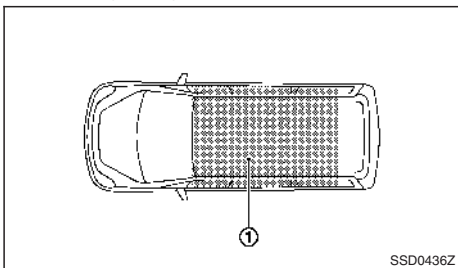
The Intelligent Key system can operate the ignition switch without taking the key out from your pocket or bag. The operating environment and/or conditions may affect the Intelligent Key system operation. Some indicators and warnings for operation are displayed on the vehicle information display. (See "Vehicle information display" 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.

Dual Clutch Transmission (DCT) model

The ignition lock is designed so that the ignition switch cannot be switched to the LOCK position until the shift lever is moved to the P (Park) position.

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

1. [Shift to Park] warning appears on the vehicle information display and a chime sounds.
2. Move the shift lever to the P (Park) position.
3. Push the ignition switch. The ignition switch is switched to the OFF position.
4. Open the door. The ignition switch turns to the LOCK position.

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

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

STEERING LOCK

The ignition switch is equipped with an anti-theft steering lock device.

To lock steering wheel

1. Place the ignition switch in the OFF position where the ignition switch position indicator will not illuminate.
2. Open or close the door. The ignition switch turns to the LOCK position.
3. Turn the steering wheel 1/6 of a turn to the right or left from the straight up position.

To unlock steering wheel

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

CAUTION

- If the battery of the vehicle is discharged, the push-button ignition switch cannot be switched from the LOCK position.
- If the steering lock release malfunction indicator appears on the vehicle information display, push the ignition switch again while rotating the steering wheel slightly to the right and left.
(See "Vehicle information display" in the "2. Instruments and controls" section.)

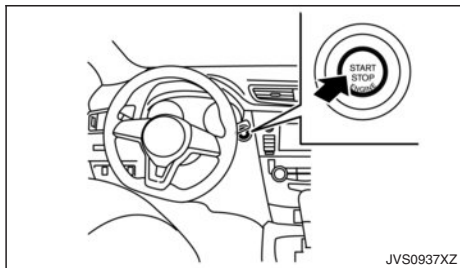
IGNITION SWITCH POSITIONS

WARNING

Never place the ignition switch in the OFF position while driving. The steering wheel may lock and cause the driver to lose control of the vehicle, resulting in serious vehicle damage or personal injury.

CAUTION

- Do not leave the vehicle for extended periods of time when the ignition switch is in the ON position and the engine is not running. This can discharge the battery.
- Use electrical accessories with the engine running to avoid discharging the vehicle battery. If you must use accessories while the engine is not running, do not use them for extended periods of time and do not use multiple electrical accessories at the same time.



When the ignition switch is pushed without depressing the brake pedal the ignition switch will illuminate.

Push the ignition switch centre:

- once to change to ON.
- two times to change to OFF.

The ignition switch will automatically return to the LOCK position when any door is either opened or closed with the switch in the OFF position.

LOCK position

The ignition switch and steering lock can only be locked at this position.

The ignition switch will lock when any door is opened or closed with the ignition switched off.

ON position

The ignition system and the electrical accessory power activate at this position without the engine turned on.

The ON position has a battery saver feature that will place the ignition switch in the OFF position, if the vehicle is not running, after some time under the following conditions:

- all doors are closed.
- shift lever is in P (Park) position.

The battery saver feature will be cancelled if any of the following occur:

- any door is opened.
- shift lever is moved out of the P (Park) position.
- ignition switch changes position.

STARTING ENGINE (model without Intelligent Key system)

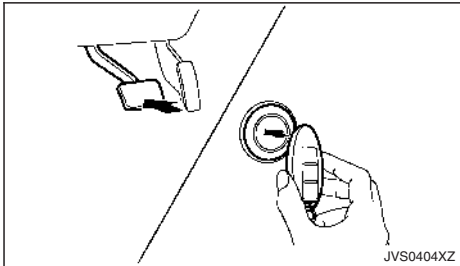
OFF position

The engine is turned off in this position.

Auto ACC position

With the vehicle in the P (Park) position, the Intelligent Key with you and the ignition placed from ON to OFF, the radio can still be used for a period of time, or until the driver's door is opened. After a period of time, functions such as radio, navigation (where fitted), and Bluetooth® Hands-Free Phone System may be restarted by turning on the audio system (See "Audio system (where fitted)" in the "4. Display screen, heater and air conditioner, and audio system" section in this manual or the separate NissanConnect Owner's Manual (where fitted)) or by the UNLOCK button on the Intelligent Key for up to a total of 30 minutes.

INTELLIGENT KEY BATTERY DISCHARGE



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

1. Move the shift lever to the P (Park) or N (Neutral) position.
2. Firmly depress the brake pedal.
3. Touch the ignition switch with the Intelligent Key as illustrated. (A chime will sound.)
4. Push the ignition switch while depressing the brake pedal within 10 seconds after the chime sounds. The engine will start.

After step 3 is performed, when the ignition switch is pushed without depressing the brake pedal the ignition switch position will change to ON.

NOTE

- When the ignition switch is placed in the ON position or the engine is started by the above procedures, the Key battery low warning appears (on the Vehicle information display) even if the Intelligent Key is inside the vehicle. This is not a malfunction. To turn off the warning, touch the ignition switch with the Intelligent Key again.
- If the Key battery low warning appears (on the Vehicle information display), replace the battery as soon as possible. (See "Battery replacement" in the "8. Maintenance and do-it-yourself" section.)

1. Apply the parking brake.
2. Depress the footbrake pedal.
3. 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.
4. Crank the engine with your foot off the accelerator pedal by turning the ignition switch in 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, place 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.

STARTING ENGINE (model with Intelligent Key system)

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. 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.

3. Place the ignition switch in the ON position. Firmly depress the brake pedal and push the ignition switch to start the engine.

To start the engine immediately, push and release the ignition switch while depressing the brake pedal 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, place the ignition switch in the OFF position and wait 10 seconds before cranking the engine again. Otherwise, the starter could be damaged.**

- **If it becomes necessary to start the engine with a booster battery and jumper cables, the instructions and cautions contained in the "6. In case of emergency" section should be carefully followed.**

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

CAUTION

Do not leave the vehicle unattended while the engine is warming up.

6. To stop the engine, move the shift lever to the P (Park) position and apply the parking brake and place the ignition switch in the OFF position.

DRIVING THE VEHICLE

DRIVING WITH DUAL CLUTCH TRANSMISSION (DCT)

Dual Clutch Transmission (DCT) 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.
- 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.

- Except in an emergency, do not shift to the N (Neutral) position while driving. Coasting with the transmission in the N (Neutral) position may cause serious damage to the transmission.
- Shift into the P (Park) position and apply the parking brake when at a standstill for longer than a short waiting period.
- Keep the engine at idling speed while shifting from the N (Neutral) position to any driving position.
- To avoid possible damage to your vehicle: when stopping the vehicle on an uphill grade, do not hold the vehicle by depressing the accelerator pedal. The footbrake should be used for this purpose.

Starting the 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.

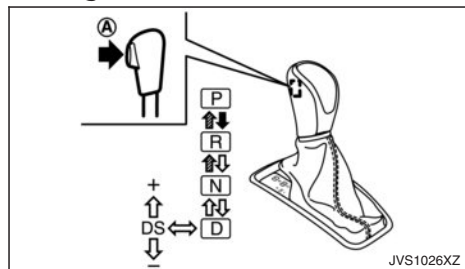
The DCT is designed so the footbrake pedal **MUST** be depressed before shifting from the P (Park) position to any driving position while the ignition switch is in the ON position.

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.

CAUTION

- **DEPRESS THE FOOTBRAKE PEDAL** - Shifting the shift lever to D, or R 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 is 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.

Shifting



(LHD model)

- ➡: Push the button (A) while depressing the footbrake pedal.
- ➡: Push the button (A).
- ➡: Just move the shift lever.

WARNING

- Apply the parking brake if the shift lever is in any position while the engine is not running. Failure to do so could cause the vehicle to move unexpectedly or roll away and result in serious personal injury or property damage.
- If the shift lever cannot be moved from the P (Park) position while the engine is running and the footbrake pedal is depressed, the brake lights may not work. Malfunctioning brake lights could cause an accident injuring yourself and others.

CAUTION

To prevent transmission damage, use the P (Park) or R (Reverse) position only when the vehicle is completely stopped.

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.

When it is hard to shift the shift lever from the P (Park) position to another position, first check that the parking brake is applied, then release the footbrake pedal and depress the footbrake pedal again.

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

1. Apply the parking brake.
2. Place the ignition switch in the ON position while depressing the footbrake pedal.
3. Move the shift lever to the P (Park) position.
4. Place the ignition switch in the LOCK position.

P (Park):

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

Manual shift mode

When the shift lever is shifted from the D position to the manual shift gate with the vehicle stopped or while driving, the transmission enters the manual shift mode. Shift ranges can be selected manually.

In the manual shift mode, the shift range is displayed on the position indicator in the meter.

Shift ranges up or down one by one as follows:

M1 ← M2 ← M3 → M4 → M5 → M6 → M7

- When shifting up, move the shift lever to the + (up) side. (Shifts to higher range.)
- When shifting down, move the shift lever to the - (down) side. (Shifts to lower range.)
- Moving the shift lever to the same side twice will shift the ranges in succession. However, if this motion is rapidly done, the second shifting may not be completed properly.

M7 (Seventh):

Use this position for all normal forward driving. However, you need to shift down the gears manually when accelerating or passing another vehicle.

M6 (Sixth) and M5 (Fifth):

Use these positions when driving up long slopes, or for engine braking when driving down long slopes.

M4 (Fourth), M3 (Third) and M2 (Second):

Use these positions for hill climbing or engine braking on downhill grades.

M1 (First):

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.

- Remember not to drive at high speeds for extended periods of time in lower than M7 range. This reduces fuel economy.
- **In the manual shift mode, the transmission automatically shifts down to M1 (First) before the vehicle comes to a stop. When accelerating again, it is necessary to shift up to the desired range.**
- **In the manual shift mode, the transmission may not shift to the selected gear. This helps maintain driving performance and reduces the chance of vehicle damage or loss of control.**
- When cancelling the manual shift mode, return the shift lever to the D position. The transmission returns to the normal driving mode.

- When the DCT fluid temperature is extremely low, the manual shift mode may not work and automatically shift as a drive mode. This is not a malfunction. In this case, return the shift lever to the D position and drive for a while and then shift to the manual shift mode.
- When the DCT fluid temperature is high, the shift range may upshift in lower rpm than usual. This is not a malfunction.

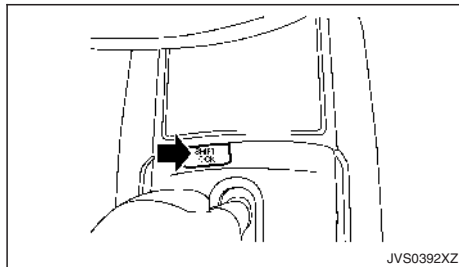
Accelerator downshift - in the D position

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

Shift lock release

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

To release the shift lock, perform the following procedure:



Example

JVS0392XZ

1. Place the ignition switch in the OFF or LOCK position.
2. Apply the parking brake.
3. Remove the shift lock release cover (shown in the illustration above) using a suitable tool.
4. Insert the mechanical key and push down the shift lock release.
5. Press the shift lever button and move the shift lever to the N (Neutral) position while holding down the shift lock release. Replace the removed shift lock release cover after the operation.

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 or qualified workshop check the DCT system as soon as possible.

High fluid temperature protection mode

This transmission has a high fluid temperature protection mode. If the fluid temperature becomes too high (for example, when climbing steep grades in high temperature with heavy loads), engine power and, under some conditions, vehicle speed will be decreased automatically to reduce the chance of transmission damage. Vehicle speed can be controlled with the accelerator pedal, but engine and vehicle speed may be limited.

STOP/START SYSTEM (where fitted)

Fail-safe

When the fail-safe operation occurs, the DCT 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 place the ignition switch back in the ON position. The vehicle should return to its normal operating condition. If it does not return to its normal operating condition, have a NISSAN dealer 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.

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

- When you stop the vehicle with the brake pedal depressed the engine is turned off automatically.
- When you release the brake pedal the engine is automatically turned on.

CAUTION

- The engine may restart automatically if required by the Stop/Start System.
- Place the ignition switch in the OFF position before opening the bonnet or performing any maintenance. Failure to do so may result in serious injuries due to automatic engine restart.
- Always place the ignition switch in the OFF position before leaving your vehicle, as the system may have turned the engine off, but the ignition will still be on and automatic restart may occur.

Failure to do this may result in a flat battery.

NOTE

For model 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.

NOTE

The Stop/Start System will not activate under the following conditions:

- When the engine is kept idling without any driving after the engine is turned on.
- When the engine coolant temperature is low.
- When the battery capacity is low.
- When the battery temperature is low.
- When the vehicle is moved.
- When the vacuum in the brake servo decreases.
- When the engine bonnet is opened with the engine running.
- When the engine is turned on with the engine bonnet open.
- When the driver's seat belt is not fastened.
- When the driver's door is open.
- When the steering wheel is operated.
- When the Stop/Start System indicator blinks at a low speed.

- When the fan speed control is in any position other than OFF (0) while the air flow control is in the front defogger position.
- When the front defogger switch is on.
- When the temperature inside the vehicle is too high or low. (When the air conditioner is off, the Stop/Start System will operate.)
- When the fan speed of the air conditioner is set to the maximum speed.
- When the Stop/Start OFF switch is turned on.
- When the power consumption is large.
- When the accelerator pedal is depressed.
- When the shift lever is in the R (Reverse) position.
- When the brake pedal is not firmly depressed.
- When stopping the vehicle on steep sloping roads.
- When the electric power steering warning light, the Anti-lock Braking System (ABS) warning light, or the Electronic Stability Programme (ESP) warning light illuminates.

NOTE

The engine will not restart even if the brake pedal is released while the Stop/Start System is activated under the following condition (the engine may restart depending on conditions):

- When the shift lever is in the P (Park) position.
- When the engine bonnet is opened.
- When the automatic brake hold function is activated (where fitted).

NOTE

It may take some time until the Stop/Start System activates under the following conditions:

- When the battery is discharged.
- When the outside temperature is low or high.
- When the battery is replaced or the battery terminal is disconnected for extended periods and then reconnected.

NOTE

When the Stop/Start System indicator illuminates, the engine starts running automatically under at least one of the following conditions:

- When the brake pedal is released with the shift lever in the D (Drive) or N (Neutral) position (the engine will not start if the automatic brake hold function is activated or the shift lever is in the P (Park) position).
- When the shift lever is placed in the D (Drive) position from the N (Neutral) or P (Park) position and the brake pedal is released.
- When the shift lever is placed in the R (Reverse) position from the N (Neutral) or P (Park) position.
- When the driver's seat belt is unfastened, or the driver's door is open.
- When 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).
- When the vehicle speed is above about 2 km/h (1 MPH).

- When the temperature inside the vehicle is too high or low. (When the air conditioner is off, the Stop/Start System will operate.)
- When the front defogger is turned on. (The engine may not start depending on the outside temperature).
- When more than 3 minutes have elapsed since the Stop/Start System was active.
- When the accelerator pedal is depressed.
- When the steering wheel is operated. (The steering wheel operation may become heavy, but this is not a malfunction.)
- When the battery capacity is low.
- When the power consumption is high.
- When the shift lever is placed in the R (Reverse) position.
- When the vacuum in the brake servo decreases.

NOTE

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

- The bonnet is open.

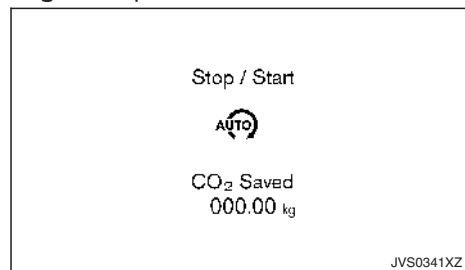
If there is a malfunction with the Dual Clutch Transmission (DCT) system, the engine will be stalled.

Use this system while waiting at stoplight, etc. When the vehicle is stopped for long periods of time, turn off the engine.

When the engine is stopped by the Stop/Start System, heating, cooling and dehumidifying functions will be deactivated. To avoid the air conditioning functions from being deactivated, turn off the Idling Stop mode by pressing the Stop/Start OFF switch.

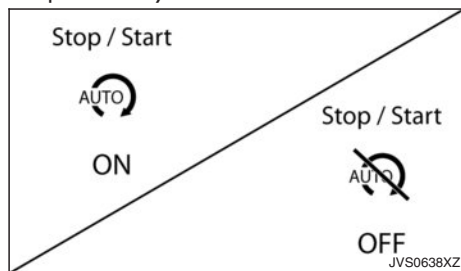
STOP/START SYSTEM DISPLAY

Engine stop



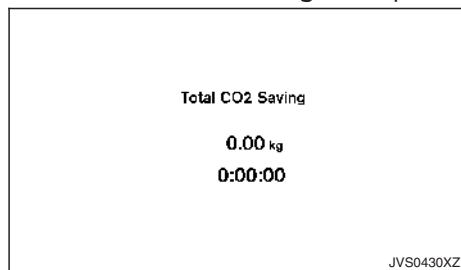
When the engine is stopped the information is displayed for a few seconds.

Stop/Start System ON or OFF



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

CO₂ or fuel saved and engine stop time

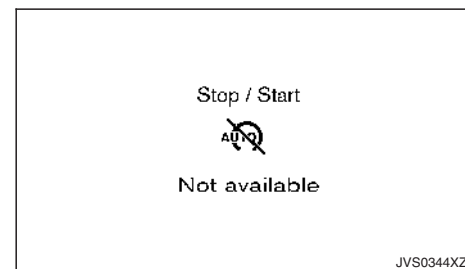


The CO₂ or fuel saved and the engine stop time mode shows the following items:

- The CO₂ saved shows the estimated quantity of CO₂ exhaust emissions that were prevented by the Stop/Start System every time the engine is automatically stopped.
- The engine stop time shows the time that the engine has been stopped for by the Stop/Start System.

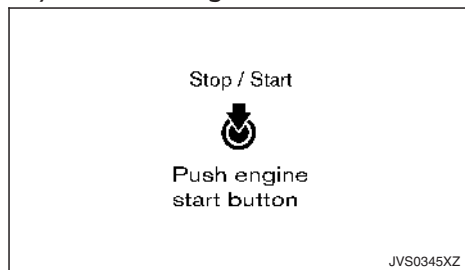
For more information, see "Stop/Start System (where fitted)" earlier in this section.

Auto start deactivation



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

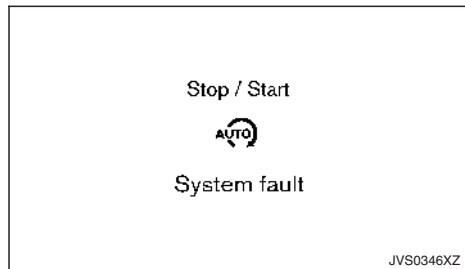
Key LOCK warning



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

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

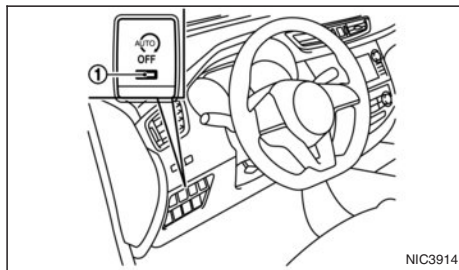
System fault



This message is displayed when the Stop/Start System is malfunctioning.

Have the system checked by a NISSAN dealer or qualified workshop.

STOP/START OFF SWITCH



The system can be temporarily deactivated by pressing the Stop/Start OFF switch. Pressing the switch again or restarting the engine by using the ignition switch will reactivate the Stop/Start System.

- When the Stop/Start System is deactivated while the engine is running, the engine is prevented from automatically stopping.
- When the Stop/Start System is deactivated after the engine has been automatically stopped by the Stop/Start System, the engine will immediately restart if suitable conditions are present. The engine will then be prevented from automatically stopping during the same journey.





- Whenever the Stop/Start System is deactivated the indicator light ① on the Stop/Start OFF switch illuminates. In this condition the Stop/Start System cannot prevent unnecessary fuel consumption, exhaust emissions, or noise during your journey.
- If the Stop/Start System is malfunctioning, the indicator light ① on the Stop/Start OFF switch illuminates.



NOTE

The Stop/Start System ON or OFF messages displayed for a few seconds in the vehicle information display when the Stop/Start OFF switch is pressed. See "Stop/Start System display" earlier in this section.

ELECTRONIC STABILITY PROGRAMME (ESP) SYSTEM

WARNING


- The ESP system is designed to help the driver maintain stability but does not prevent accidents due to abrupt steering operation at high speeds or by careless or dangerous driving techniques. Reduce vehicle speed and be especially careful when driving and cornering on slippery surfaces and always drive carefully.
- Do not modify the vehicle's suspension. If suspension parts such as shock absorbers, struts, springs, stabiliser bars, bushings and wheels are not NISSAN recommended for your vehicle or are extremely deteriorated, the ESP system may not operate properly. This could adversely affect vehicle handling performance, and the ESP warning light  may illuminate.
- If brake related parts such as brake pads, rotors and callipers are not NISSAN recommended or are extremely deteriorated, the ESP system may not operate properly and the ESP warning light  may illuminate.
- If engine control related parts are not NISSAN recommended or are extremely deteriorated, the ESP warning light  may illuminate.
- When driving on extremely inclined surfaces such as higher banked corners, the ESP system may not operate properly and the ESP warning light  may illuminate. Do not drive on these types of roads.

- When driving on an unstable surface such as a turntable, ferry, elevator or ramp, the ESP warning light  may illuminate. This is not a malfunction. Restart the engine after driving onto a stable surface.
- If wheels or tyres other than the NISSAN recommended ones are used, the ESP system may not operate properly and the ESP warning light  may illuminate.
- The ESP system is not a substitute for winter tyres or tyre chains on a snow covered road.


The Electronic Stability Programme (ESP) system uses various sensors to monitor driver inputs and vehicle motion. Under certain driving conditions, the ESP system performs the following functions.




- Controls brake pressure to reduce wheel slip on one slipping drive wheel so power is transferred to a non slipping drive wheel on the same axle.
- Controls brake pressure and engine output to reduce drive wheel slip based on vehicle speed (traction control function).
- Controls brake pressure at individual wheels and engine output to help the driver maintain control of the vehicle in the following conditions:
 - understeer (vehicle tends to not follow the steered path despite increased steering input)
 - oversteer (vehicle tends to spin due to certain road or driving conditions).

The ESP system can help the driver to maintain control of the vehicle, but it cannot prevent loss of vehicle control in all driving situations.

When the ESP system operates, the ESP warning light  in the meter flashes so note the following:

- The road may be slippery or the system may determine some action is required to help the vehicle on the steered path.
- You may feel a pulsation in the brake pedal and hear a noise or vibration from under the bonnet. This is normal and indicates that the ESP system is working properly.
- Adjust your speed and driving to the road conditions.

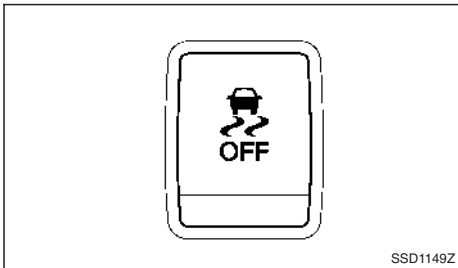
If a malfunction occurs in the system, the ESP warning light  illuminates in the meter. The ESP system automatically turns off.

The ESP OFF switch is used to turn off the ESP system. The ESP off indicator light  illuminates to indicate the ESP system is off. When the ESP OFF switch is used to turn off the system, the ESP system still operates to prevent one drive wheel from slipping by transferring power to a non slipping drive wheel. The ESP warning light  flashes if this occurs. All other ESP functions are off and the ESP warning light  will not flash. The ESP system is automatically reset to on when the ignition switch is placed in the OFF position then back to the ON position.

See "Electronic Stability Programme (ESP) off indicator light" in the "2. Instruments and controls" section and "Electronic Stability Programme (ESP) system OFF switch" later in this section.


The computer has a built-in diagnostic feature that tests the system each time you start the engine and move the vehicle forward or in reverse at a slow speed. When the self-test occurs, you may hear a “clunk” noise and/or feel a pulsation in the brake pedal. This is normal and is not an indication of a malfunction.

ELECTRONIC STABILITY PROGRAMME (ESP) SYSTEM 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. The ESP off indicator light  will illuminate.

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

The chassis control is an electric control module that includes the following functions:

- Intelligent Trace Control
- Intelligent Engine Brake
- Intelligent Ride Control

INTELLIGENT TRACE CONTROL

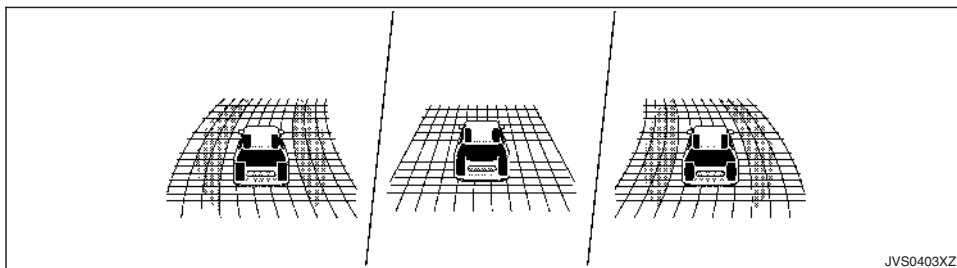
WARNING

The Intelligent Trace Control may not be effective depending on the driving condition. Always drive carefully and attentively.

This system senses driving based on the driver's steering and acceleration/braking patterns, and controls brake pressure at individual wheels to aid tracing at corners and help smooth vehicle response.

The Intelligent Trace Control can be set to ON (enabled) or OFF (disabled) through the vehicle information display [Settings] page. See “Vehicle information display” in the “2. Instruments and controls” section for more information.

When the Electronic Stability Programme (ESP) OFF switch is used to turn off the ESP system, the Intelligent Trace Control is also turned off.



When the Intelligent Trace Control is operated and the [Chassis Control] mode is selected in the trip computer, the Intelligent Trace Control graphics are shown in the vehicle information display. (See "Trip computer" in the "2. Instruments and controls" section.)

If the chassis control warning message appears in the vehicle information display, it may indicate that the Intelligent Trace Control is not functioning properly. Have the system checked by a NISSAN dealer or qualified workshop as soon as possible. (See "Vehicle information display warnings and indicators" in the "2. Instruments and controls" section.)

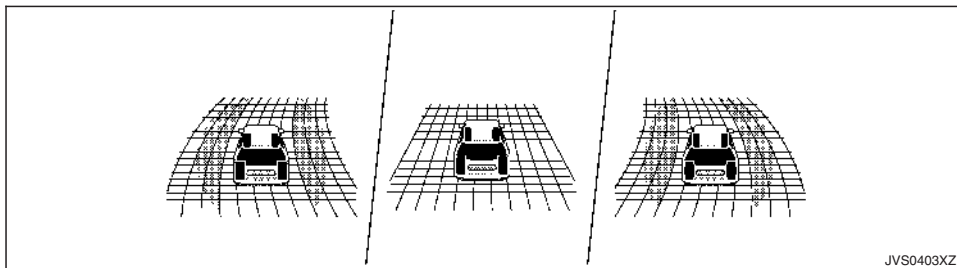
When the Intelligent Trace Control is operating, you may feel a pulsation in the brake pedal and hear a noise. This is normal and indicates that the Intelligent Trace Control is operating properly.

Even if the Intelligent Trace Control is set to OFF, some functions will remain on to assist the driver (for example, avoidance scenes).

INTELLIGENT ENGINE BRAKE

The Intelligent Engine Brake also adds subtle deceleration with gear ratio control according to driver's brake pedal operation.

The Intelligent Engine Brake can be set to ON (enabled) or OFF (disabled) through the Vehicle Information Display [Settings] page. See "Vehicle information display" in the "2. Instruments and controls" section for more information.



When the Intelligent Engine Brake is operated at corners and the [Chassis Control] mode is selected in the trip computer, the Intelligent Engine Brake graphics are shown in the vehicle information display. See "Trip computer" in the "2. Instruments and controls" section for more information.

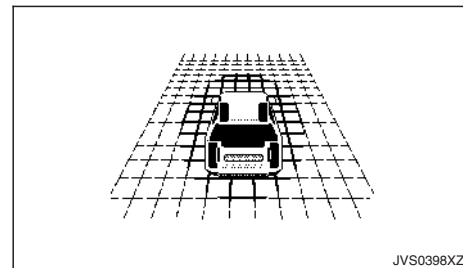
If the chassis control warning message appears in the vehicle information display, it may indicate that the Intelligent Engine Brake is not functioning properly. Have the system checked by a NISSAN dealer or qualified workshop as soon as possible.

When the Intelligent Engine Brake is operating, the needle of the tachometer will rise up and you may hear an engine noise. This is normal and indicates that the Intelligent Engine Brake is operating properly.

INTELLIGENT RIDE CONTROL

This system senses upper body motion based on wheel speed information and controls four wheel brake pressure to enhance ride comfort in an effort to restrain uncomfortable upper body movement. This system comes into effect above 40 km/h (25 MPH). When the ESP OFF switch is used to turn off the ESP system, the Intelligent Ride Control is also turned off.

When the brake control of the Intelligent Ride Control is operated and the [Chassis Control] mode is selected in the trip computer, the Intelligent Ride Control graphics are shown in the vehicle information display. See "Trip computer" in the "2. Instruments and controls" section for more information.



If the chassis control warning message appears in the vehicle information display, it may indicate that the Intelligent Ride Control is not functioning properly. Have the system checked by a NISSAN dealer or qualified workshop as soon as possible.

When the Intelligent Ride Control is operating, you may hear noise and sense slight deceleration. This is normal and indicates that the Intelligent Ride Control is operating properly.

HILL START ASSIST SYSTEM

WARNING

- **Never rely solely on the Hill Start Assist system to prevent the vehicle from moving backward on a hill. Always drive carefully and attentively. Depress the brake pedal when the vehicle is stopped on a steep hill. Be especially careful when stopped on a hill on frozen or muddy roads. Failure to prevent the vehicle from rolling backwards may result in a loss of control of the vehicle and possible serious injury or death.**
- **The Hill Start Assist system is not designed to hold the vehicle at a standstill on a hill. Depress the brake pedal when the vehicle is stopped on a steep hill. Failure to do so may cause the vehicle to roll backwards and may result in a collision or serious personal injury.**
- **The Hill Start Assist system may not prevent the vehicle from rolling backwards on a hill under all load or road conditions. Always be prepared to depress the brake pedal to prevent the vehicle from rolling backwards. Failure to do so may result in a collision or serious personal injury.**

The Hill Start Assist system automatically keeps the brakes applied to help prevent the vehicle from rolling backwards in the time it takes the driver to release the brake pedal and apply the accelerator when the vehicle is stopped on a hill.

The Hill Start Assist system will operate automatically under the following conditions:

- The transmission is shifted to a forward or reverse gear.
- The vehicle is stopped completely on a hill by applying the brake.

The maximum holding time is 2 seconds. After 2 seconds the vehicle will begin to roll back and the Hill Start Assist system will stop operating completely.

The Hill Start Assist system will not operate when the transmission is shifted to the N (Neutral) or P (Park) position or on a flat and level road.

When the Electronic Stability Programme (ESP) warning light illuminates in the meter, the Hill Start Assist system will not operate. (See "Electronic Stability Programme (ESP) off indicator light" in the "2. Instruments and controls" section.)

HILL DESCENT CONTROL SYSTEM (where fitted)

WARNING

- **Never rely solely on the hill descent control system to control vehicle speed when driving on steep downhill grades. Always drive carefully when using the hill descent control system and decelerate the vehicle speed by depressing the brake pedal if necessary. Be especially careful when driving on frozen, muddy or extremely steep downhill roads. Failure to control vehicle speed may result in a loss of control of the vehicle and possible serious injury or death.**
- **The hill descent control system may not control the vehicle speed on a hill under all load or road conditions. Always be prepared to depress the brake pedal to control vehicle speed. Failure to do so may result in a collision or serious personal injury.**

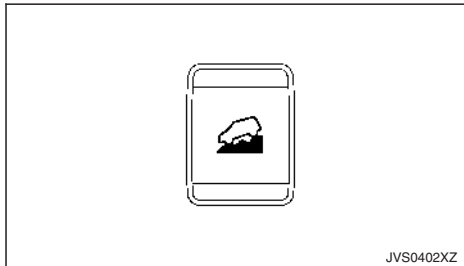
CAUTION

When the hill descent control system operates continuously for a long time, the temperature of the Electronic Stability Programme (ESP) system actuator may increase and the hill descent control system may be temporarily disabled (the hill descent control system on indicator light will blink). If the indicator light does not come on continuously after blinking, stop using the system.


When the hill descent control system is activated, it automatically applies smooth brakes to control speed on a steep and slippery descent or off the road without brake or accelerator operation.

When driving forward on the descent, the speed can be adjusted by the brake or accelerator operation. The system maintains the speed for reverse driving on the descent.

HILL DESCENT CONTROL SWITCH



When additional braking is required on steep downhill roads, activate the hill descent control system by pushing the hill descent control switch on.

When the hill descent control system is activated, the hill descent control system on indicator light  will illuminate. (See "Hill descent control system on indicator light (where fitted)" in the "2. Instruments and controls" section.) Also, the stop/tail lights illuminate while the hill descent control system is applying the brakes to control the vehicle speed.

To activate the hill descent control system, satisfy all of the following conditions:

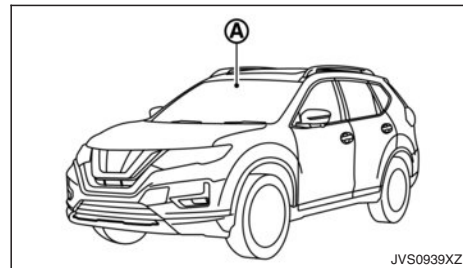
- Shift the transmission to the forward or reverse gear.
- Push the hill descent control switch to the ON position.

If the accelerator or brake pedal is depressed while the hill descent control system is on, the system will stop operating temporarily. As soon as the accelerator or brake pedal is released, the hill descent control system begins to function again if the hill descent control operating conditions are fulfilled.

The hill descent control system on indicator light blinks if the hill descent control switch is on and all conditions for system activation are not met, or if the system becomes disengaged for any reason.

To turn off the hill descent control system, push the hill descent control switch to the OFF position.

LANE DEPARTURE WARNING (LDW) (where fitted)



WARNING

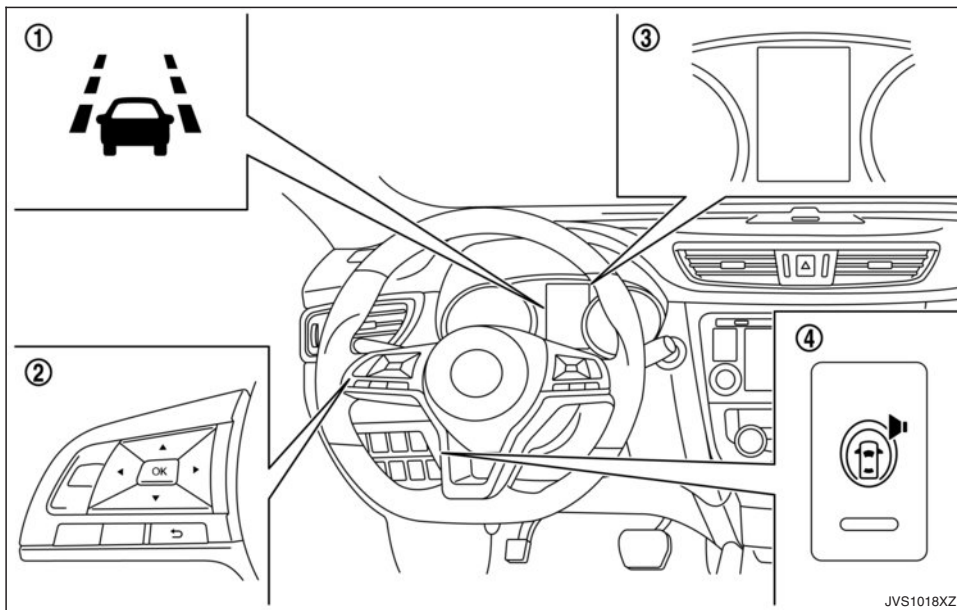
Failure to follow the warnings and instructions for proper use of the LDW system could result in serious injury or death.

- **This system is only a warning device to inform the driver of a potential unintended lane departure. It will not steer the vehicle or prevent loss of control. It is the driver's responsibility to stay alert, drive safely, keep the vehicle in the travelling lane, and be in control of the vehicle at all times.**

The LDW system will operate when the vehicle is driven at approximately 60 km/h (37 MPH) and above, and only when lane markings are clearly visible on the road.

The LDW system monitors the lane markers on the travelling lane using the camera unit (A) located above the inside mirror.

The LDW system warns the driver with a LDW indicator on the vehicle information display and chime that the vehicle is beginning to leave the driving lane. For additional information, refer to “LDW system operation” later in this section.



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- ① LDW indicator (on the vehicle information display)
- ② Steering-wheel-mounted controls (left side)
- ③ Vehicle information display
- ④ LDW switch (where fitted)

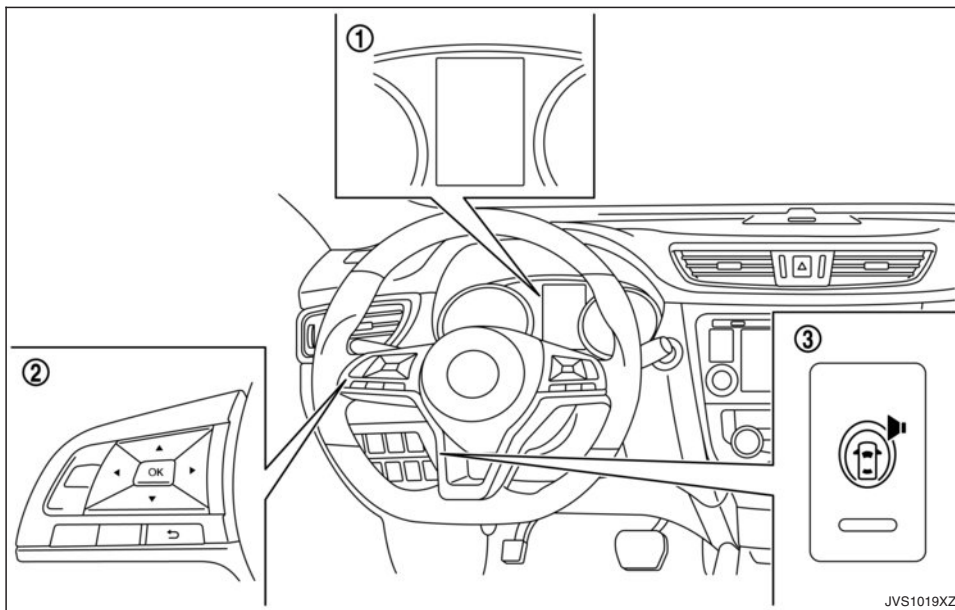
LDW SYSTEM OPERATION

The LDW system provides a lane departure warning function when the vehicle is driven at approximately 60 km/h (37 MPH) and above, and the lane markings are clear.

When the vehicle approaches either the left or the right side of the travelling lane, a warning chime will sound and the LDW indicator on the vehicle information display will blink to alert the driver.

The warning function will stop when the vehicle returns inside of the lane markers.

For the model with the LDW switch, to turn on the LDW system, push the LDW switch on the instrument panel after starting the engine. Push the LDW switch again to turn off the LDW system.



- ① Vehicle information display
- ② Steering-wheel-mounted controls (left side)
- ③ LDW switch (where fitted)

HOW TO ENABLE/DISABLE THE LDW SYSTEM

Perform the following steps to enable or disable the LDW system.

1. Press the ◀ ▶ button until [Settings] displays in the vehicle information display and then press the <OK> button. Use the ▲ button to select [Driver Assistance]. Then press the <OK> button.
2. Select [Driving Aids] and press the <OK> button.
3. To set the LDW system to on or off, use the ▲ buttons to navigate in the menu and use the <OK> button to select or change an item:
 - Select [Lane] and press the <OK> button.
 - To turn on the warning system, use the <OK> button to check the box for [Warning].

For the model with the LDW switch, to turn on the LDW system, push the LDW switch on the instrument panel after starting the engine. Push the LDW switch again to turn off the LDW system. The indicator on the LDW switch illuminates when the LDW system is ON. When you turn the LDW system on using the LDW switch (where fitted), the LDW system setting on the [Settings] menu also turns on at the same time.

NOTE

If you turn the LDW system off using either the LDW switch (where fitted) or the [Settings] menu, the system will remain turned off the next time you start the engine.

LDW SYSTEM LIMITATIONS

WARNING

Listed below are the system limitations for the LDW system. Failure to follow the warnings and instructions for proper use of the LDW system could result in serious injury or death.

- The system will not operate at below approximately 60 km/h (37 MPH), or if it cannot detect lane markers.
- Excessive noise will interfere with the warning chime sound, and the chime may not be heard.
- Do not use the LDW system under the following conditions as it may not function properly:
 - During bad weather (rain, fog, snow, etc.).
 - When driving on slippery roads, such as on ice or snow.
 - When driving on winding or uneven roads.
 - When there is a lane closure due to road repairs.
 - When driving in a makeshift or temporary lane.
 - When driving on roads where the lane width is too narrow.
 - When driving without normal tyre conditions (for example, tyre wear, low tyre pressure, installation of spare tyre, tyre chains, non-standard wheels).
 - When the vehicle is equipped with non-original brake parts or suspension parts.

- When you are towing a trailer or other vehicle.
- The system may not function properly under the following conditions:
 - On roads where there are multiple parallel lane markers; lane markers that are faded or not painted clearly; yellow painted lane markers; non-standard lane markers; or lane markers covered with water, dirt, snow, etc.
 - On roads where discontinued lane markers are still detectable.
 - On roads where there are sharp curves.
 - On roads where there are sharply contrasting objects, such as shadows, snow, water, wheel ruts, seams or lines remaining after road repairs. (The LDW system could detect these items as lane markers.)
 - On roads where the travelling lane merges or separates.
 - When the vehicle's travelling direction does not align with the lane marker.
 - When travelling close to the vehicle in front of you, which obstructs the lane camera unit detection range.
 - When rain, snow, dirt or objects adhere to the windscreen in front of the lane camera unit.
 - When the headlights are not bright due to dirt on the lens or if the aiming is not adjusted properly.

- **When strong light enters the lane camera unit. (For example, the light directly shines on the front of the vehicle at sunrise or sunset.)**
- **When a sudden change in brightness occurs. (For example, when the vehicle enters or exits a tunnel or under a bridge.)**

SYSTEM TEMPORARILY UNAVAILABLE

If the vehicle is parked in direct sunlight under high temperature conditions (over approximately 40°C (104°F)) and is then started, the LDW system may be deactivated automatically, the LDW indicator will flash and the following message [Not available: High Cabin Temperature] will appear in the vehicle information display.

When the interior temperature is reduced, the LDW system will resume operating automatically and the LDW indicator will stop flashing.

The LDW system is not designed to warn under the following conditions:

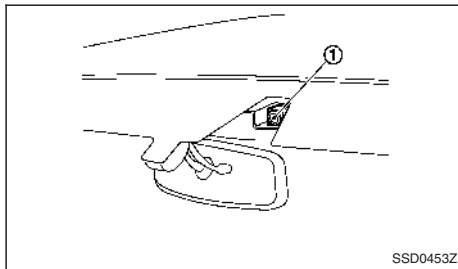
- When you operate the lane change signal and change travelling lanes in the direction of the signal. (The LDW system will become operable again approximately 2 seconds after the lane change signal is turned off.)
- When the vehicle speed lowers to less than approximately 60 km/h (37 MPH).

After the above conditions have finished and the necessary operating conditions are satisfied, the LDW system will resume.

SYSTEM MALFUNCTION

If the LDW system malfunctions, it will cancel automatically and [System fault] will appear in the vehicle information display. If [System fault] appears in the vehicle information display, pull off the road to a safe location and stop the vehicle. Place the ignition switch in the OFF position and restart the engine. If [System fault] continues to appear in the vehicle information display, have the system checked at a NISSAN dealer or a qualified workshop.

SYSTEM MAINTENANCE



The lane camera unit ① for the LDW system is located above the inside mirror.

To keep the proper operation of the LDW system and prevent a system malfunction, be sure to observe the following:

- Always keep the windscreen clean.
- Do not attach a sticker (including transparent material) or install an accessory near the camera unit.

- Do not place reflective materials, such as white paper or a mirror, on the instrument panel. The reflection of sunlight may adversely affect the camera unit's capability of detecting the lane markers.
- Do not strike or damage the areas around the camera unit. Do not touch the camera lens or remove the screw located on the camera unit. If the camera unit is damaged due to an accident, it is recommended that you visit a NISSAN dealer or a qualified workshop.

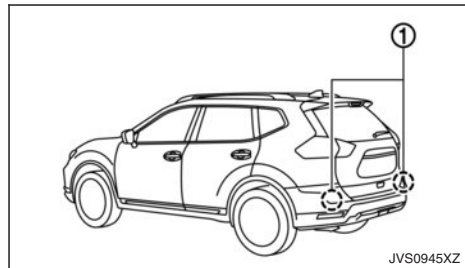
BLIND SPOT WARNING (BSW) SYSTEM (where fitted)

WARNING

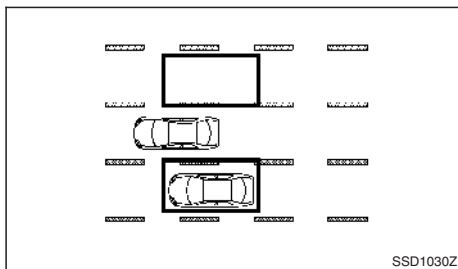
Failure to follow the warnings and instructions for proper use of the BSW system could result in serious injury or death.

- The BSW system is not a replacement for proper driving procedures and is not designed to prevent contact with vehicles or objects. When changing lanes, always use the side and rear mirrors and turn and look in the direction your vehicle will move to ensure it is safe to change lanes. Never rely solely on the BSW system.

The BSW system helps alert the driver of other vehicles in adjacent lanes when changing lanes.

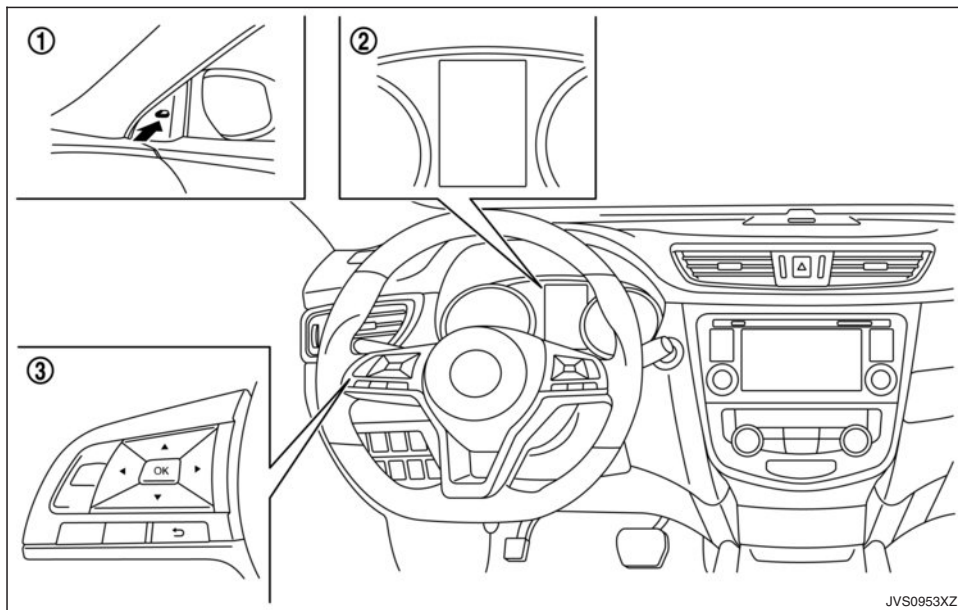


The BSW system uses radar sensors ① installed near the rear bumper to detect other vehicles in an adjacent lane.



Detection zone

The radar sensors can detect vehicles on either side of your vehicle within the detection zone shown as illustrated. This detection zone starts from the outside mirror of your vehicle and extends approximately 3.0 m (10 ft) behind the rear bumper, and approximately 3.0 m (10 ft) sideways.



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- ① Side indicator light
- ② Vehicle information display
- ③ Steering-wheel-mounted controls (left side)

BSW SYSTEM OPERATION

The BSW system operates above approximately 32 km/h (20 MPH).

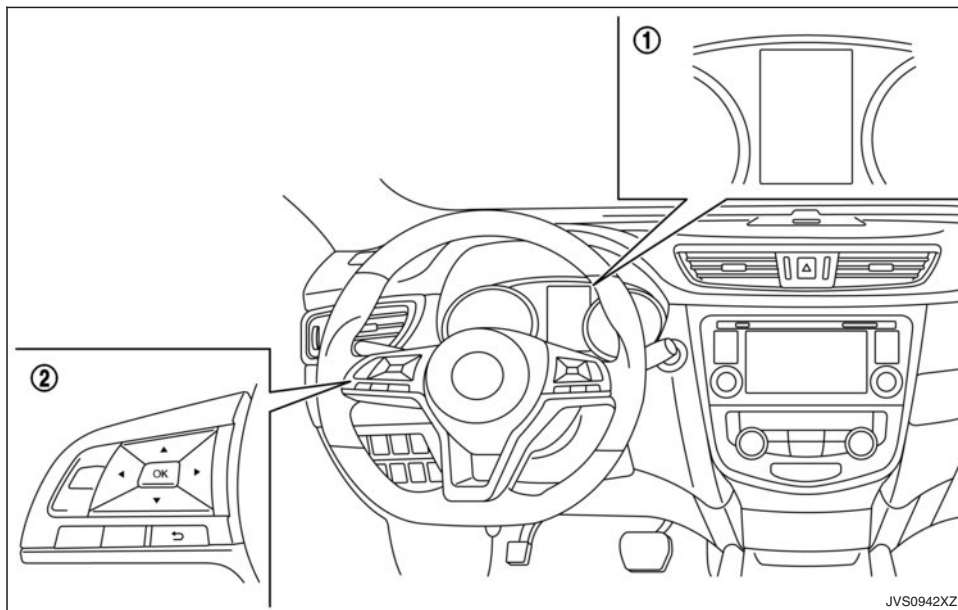
If the radar sensors detect a vehicle in the detection zone, the side indicator light ① illuminates.

If the turn signal is then activated, the system chimes (twice) and the side indicator light flashes. The side indicator light continues to flash until the detected vehicle leaves the detection zone.

The side indicator light illuminates for a few seconds when the ignition switch is placed in the ON position.

The brightness of the side indicator light is adjusted automatically depending on the brightness of the ambient light.

If a vehicle comes into the detection zone after the driver activates the turn signal, then only the side indicator light flashes and no chime sounds. For additional information, refer to "BSW driving situations" later in this section.



- ① Vehicle information display
- ② Steering-wheel-mounted controls (left side)

HOW TO ENABLE/DISABLE THE BSW SYSTEM

Perform the following steps to enable or disable the BSW system.

1. Press the ◀ ▶ button until [Settings] displays in the vehicle information display and then press <OK> button. Use the ▲ button to select [Driver Assistance]. Then press the <OK> button.
2. Select [Driving Aids] and press the <OK> button.
3. To set the BSW system to on or off, use the ▲ ▼ buttons to navigate in the menu and use the <OK> button to select or change an item.
 - Select [Blind Spot] and press the <OK> button.
 - To turn on the warning system, use the <OK> button to check the box for [Warning].

NOTE

When enabling/disabling the system, the system will retain current settings even if the engine is restarted.

BSW SYSTEM LIMITATIONS




WARNING

Listed below are the system limitations for the BSW system. Failure to operate the vehicle in accordance with these system limitations could result in serious injury or death.

- The BSW system cannot detect all vehicles under all conditions.
- The radar sensors may not be able to detect and activate BSW when certain objects are present such as:
 - Pedestrians, bicycles, animals.
 - Vehicles such as motorcycles, low height vehicles, or high ground clearance vehicles.
 - Oncoming vehicles.
 - Vehicles remaining in the detection zone when you accelerate from a stop.
 - A vehicle merging into an adjacent lane at a speed approximately the same as your vehicle.
 - A vehicle approaching rapidly from behind.
 - A vehicle which your vehicle overtakes rapidly.
 - A vehicle that passes through the detection zone quickly.
 - When overtaking several vehicles in a row, the vehicles after the first vehicle may not be detected if they are travelling close together.

- The radar sensor's detection zone is designed based on a standard lane width. When driving in a wider lane, the radar sensors may not detect vehicles in an adjacent lane. When driving in a narrow lane, the radar sensors may detect vehicles driving two lanes away.
- The radar sensors are designed to ignore most stationary objects, however objects such as guardrails, walls, foliage and parked vehicles may occasionally be detected. This is a normal operation condition.
- The following conditions may reduce the ability of the radar to detect other vehicles:
 - Severe weather
 - Road spray
 - Ice/frost/dirt build-up on the vehicle
- Do not attach stickers (including transparent material), install accessories or apply additional paint near the radar sensors. These conditions may reduce the ability of the radar to detect other vehicles.
- Excessive noise (for example, audio system volume, open vehicle window) will interfere with the chime sound, and it may not be heard.

BSW DRIVING SITUATIONS

Indicator on	
Indicator off	
Indicator flashing	

Another vehicle approaching from behind

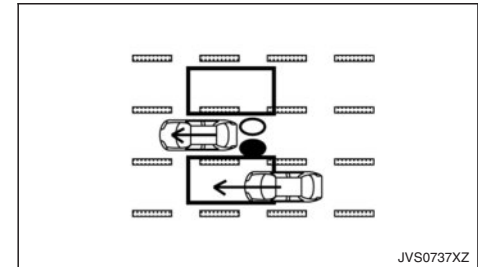


Illustration 1 – Approaching from behind

Illustration 1: The side indicator light illuminates if a vehicle enters the detection zone from behind in an adjacent lane.

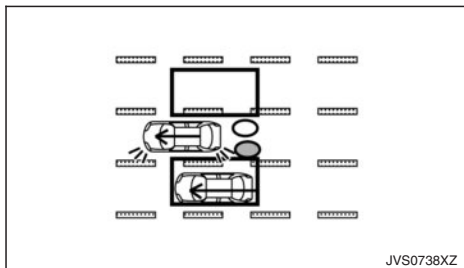


Illustration 2 – Approaching from behind

Illustration 2: If the driver activates the turn signal, then the system chimes (twice) and the side indicator light flashes.

NOTE

- The radar sensors may not detect vehicles which are approaching rapidly from behind.
- If the driver activates the turn signal before a vehicle enters the detection zone, the side indicator light will flash but no chime will sound when the other vehicle is detected.

Overtaking another vehicle

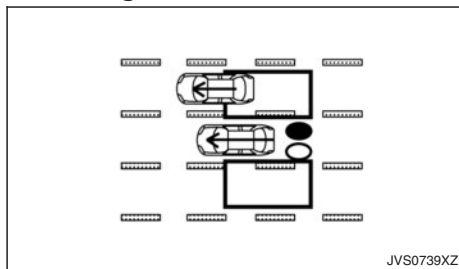


Illustration 3 – Overtaking another vehicle

Illustration 3: The side indicator light illuminates if you overtake a vehicle and that vehicle stays in the detection zone for approximately 2 seconds.

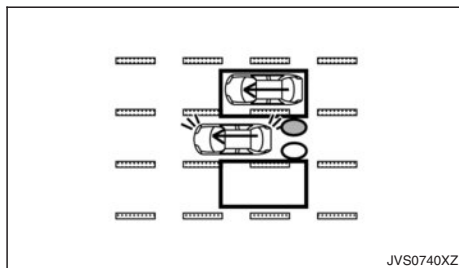


Illustration 4 – Overtaking another vehicle

Illustration 4: If the driver activates the turn signal while another vehicle is in the detection zone, then the system chimes (twice) and the side indicator light flashes.

NOTE

- When overtaking several vehicles in a row, the vehicles after the first vehicle may not be detected if they are travelling close together.
- The radar sensors may not detect slower moving vehicles if they are passed quickly.
- If the driver activates the turn signal before a vehicle enters the detection zone, the side indicator light will flash but no chime will sound when the other vehicle is detected.

Entering from the side

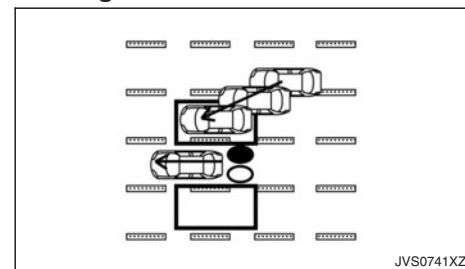
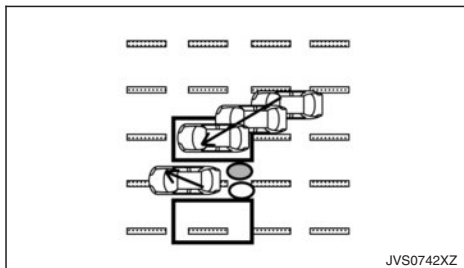


Illustration 5 – Entering from the side

Illustration 5: The side indicator light illuminates if a vehicle enters the detection zone from either side.



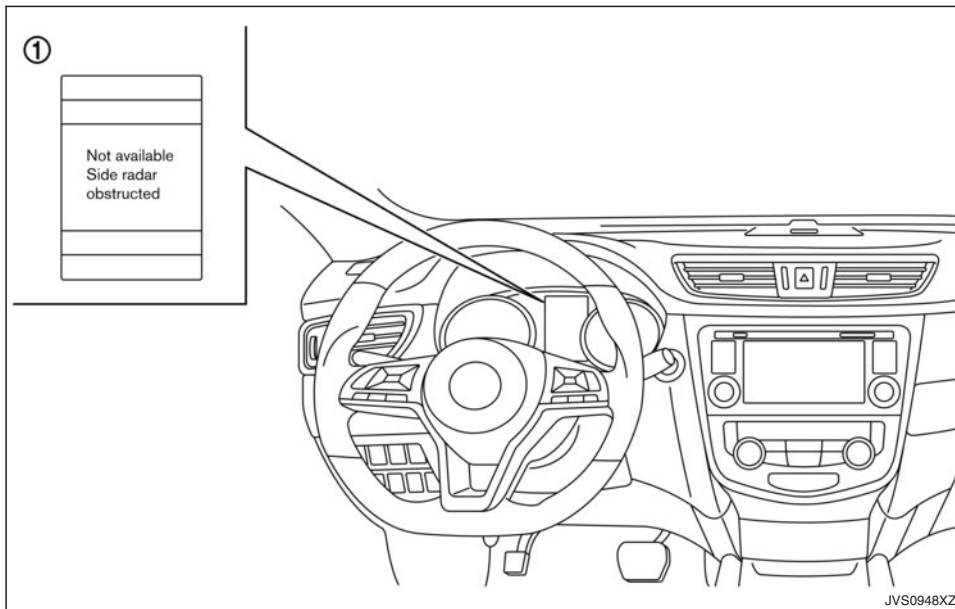
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Illustration 6 – Entering from the side

Illustration 6: If the driver activates the turn signal, then the system chimes (twice) and the side indicator light flashes.

NOTE

- **The radar sensors may not detect a vehicle which is travelling at about the same speed as your vehicle when it enters the detection zone.**
- **If the driver activates the turn signal before a vehicle enters the detection zone, the side indicator light will flash but no chime will sound when the other vehicle is detected.**



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① Vehicle information display

SYSTEM TEMPORARILY UNAVAILABLE

When radar blockage is detected, the BSW system will be turned off automatically, a chime will sound and the [Not available: Side Radar Obstructed] warning message will appear in the vehicle information display ①.

The system is not available until the conditions no longer exist.

The radar sensors may be blocked by temporary ambient conditions such as splashing water, mist or fog. The blocked condition may also be caused by objects such as ice, frost or dirt obstructing the radar sensors.

NOTE

If the BSW system stops working, the RCTA system will also stop working.

Action to take:

When the above conditions no longer exist, the system will resume automatically.

If the [Not available: Side Radar Obstructed] warning message continues to appear, have the system checked by a NISSAN dealer or a qualified workshop.

SYSTEM MALFUNCTION

When the BSW system malfunctions, it will be turned off automatically and the [System fault] warning message will appear in the vehicle information display.

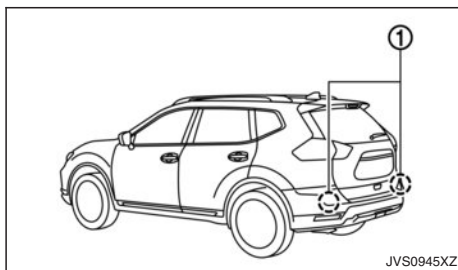
NOTE

If the BSW system stops working, the RCTA system will also stop working.

Action to take:

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

SYSTEM MAINTENANCE



The two radar sensors ① for the BSW system are located near the rear bumper. Always keep the area near the radar sensors clean.

The radar sensors may be blocked by temporary ambient conditions such as splashing water, mist or fog.

The blocked condition may also be caused by objects such as ice, frost or dirt obstructing the radar sensors.

Check for and remove objects obstructing the area around the radar sensors.

Do not attach stickers (including transparent material), install accessories or apply additional paint near the radar sensors.

Do not strike or damage the area around the radar sensors.

See a NISSAN dealer or a qualified workshop if the area around the radar sensors is damaged due to a collision.

For the radio approval numbers and information, see "Radio frequency approval" in the "9. Technical information" section.

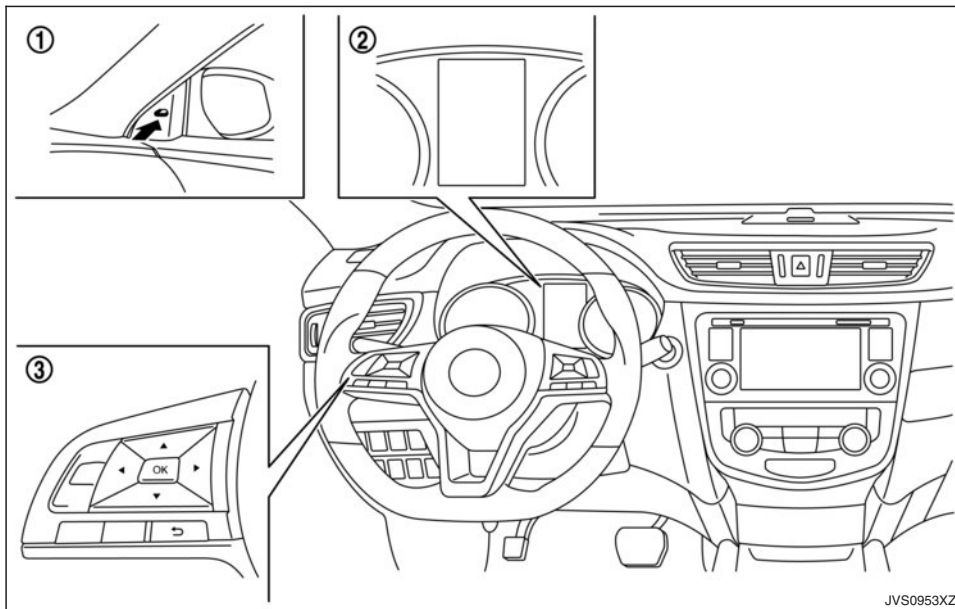
REAR CROSS TRAFFIC ALERT (RCTA) (where fitted)

WARNING

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

- The RCTA system is not a replacement for proper driving procedures and is not designed to prevent contact with vehicles or objects. When reversing out of a parking space, always use the side and rear mirrors and turn and look in the direction your vehicle will move. Never rely solely on the RCTA system.

The RCTA system will assist you when reversing out of a parking space. When the vehicle is in reverse, the system is designed to detect other vehicles approaching from the right or left of the vehicle. If the system detects cross traffic, it will alert you.



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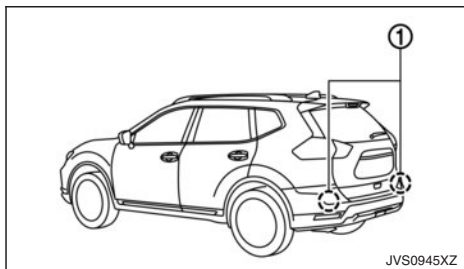
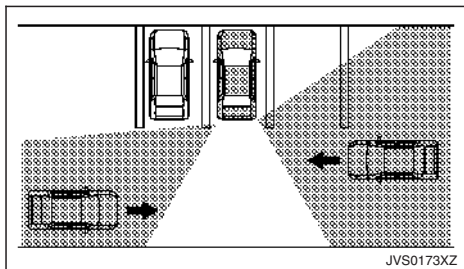
- ① Side indicator light
- ② Vehicle information display
- ③ Steering-wheel-mounted controls (left side)

RCTA SYSTEM OPERATION

The RCTA system can help alert the driver of an approaching vehicle when the driver is reversing out of a parking space.

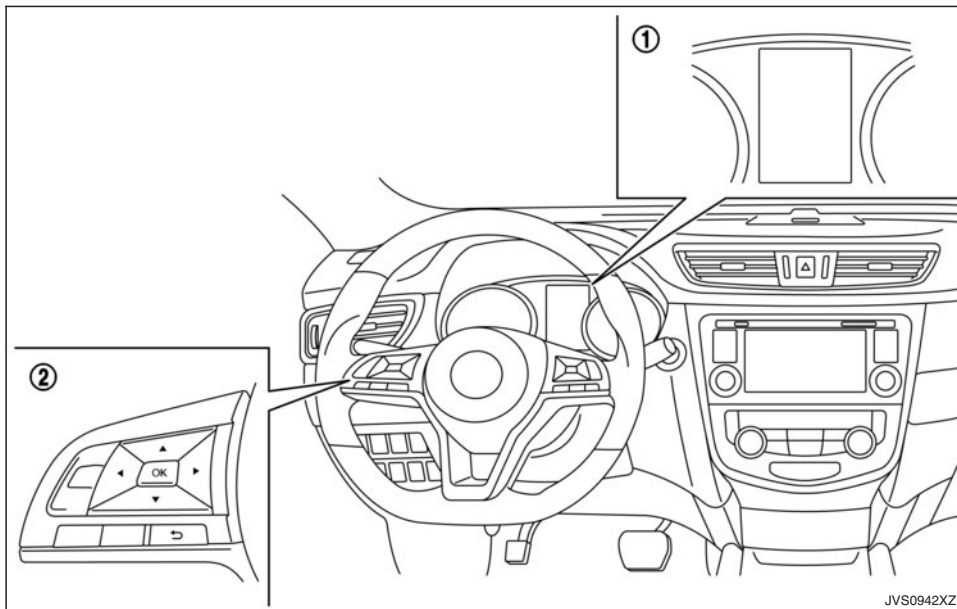
When the shift position is in R (Reverse) and the vehicle speed is less than approximately 8 km/h (5 MPH), the RCTA system is operational.

If the radar detects an approaching vehicle from either side, the system chimes (once) and the side indicator light flashes on the side the vehicle is approaching from.



The RCTA system uses radar sensors ① installed on both sides near the rear bumper to detect an approaching vehicle.

The radar sensors ① can detect an approaching vehicle from up to approximately 20 m (66 ft) away.



- ① Vehicle information display
- ② Steering-wheel-mounted controls (left side)

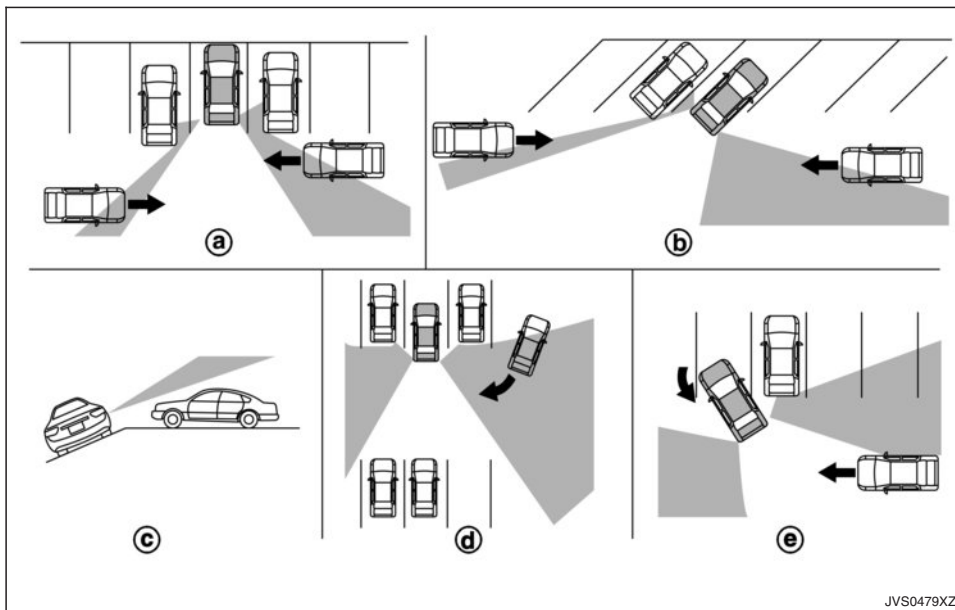
HOW TO ENABLE/DISABLE THE RCTA SYSTEM

Perform the following steps to enable or disable the RCTA system.

1. Press the ◀ ▶ button until [Settings] displays in the vehicle information display and then press <OK> button. Use the ▲ ▼ button to select [Driver Assistance]. Then press the <OK> button.
2. Select [Parking Aids] and press the <OK> button.
3. To set the RCTA system to on or off, use the ▲ ▼ buttons to navigate in the menu and use the <OK> button to select or change an item:
 - To turn on the RCTA system, use the <OK> button to check the box for [Cross Traffic].

NOTE

When enabling/disabling the system, the system setting will be retained even if the engine is restarted.



RCTA SYSTEM LIMITATIONS

WARNING

Listed below are the system limitations for the RCTA system. Failure to operate the vehicle in accordance with these system limitations could result in serious injury or death.

- Always check surroundings and turn to check what is behind you before reversing. The radar sensors detect approaching (moving) vehicles. The radar sensors cannot detect every object such as:
 - Pedestrians, bicycles, motorcycles, animals or child-operated toy vehicles

- A vehicle that is passing at speeds greater than approximately 30 km/h (19 MPH)
- A vehicle that is passing at speeds lower than approximately 8 km/h (5 MPH)
- The radar sensors may not detect approaching vehicles in certain situations:
 - Illustration ①: When a vehicle parked next to you obstructs the beam of the radar sensor.
 - Illustration ②: When the vehicle is parked in an angled parking space.
 - Illustration ③: When the vehicle is parked on inclined ground.
 - Illustration ④: When an approaching vehicle turns into your vehicle's parking lot aisle.
 - Illustration ⑤: When the angle formed by your vehicle and the approaching vehicle is small
- The following conditions may reduce the ability of the radar to detect other vehicles:
 - Severe weather
 - Road spray
 - Ice/frost/dirt build-up on the vehicle
- Do not attach stickers (including transparent material), install accessories or apply additional paint near the radar sensors. These conditions may reduce the ability of the radar to detect other vehicles

- Excessive noise (e.g. audio system volume, open vehicle window) will interfere with the chime sound, and it may not be heard.

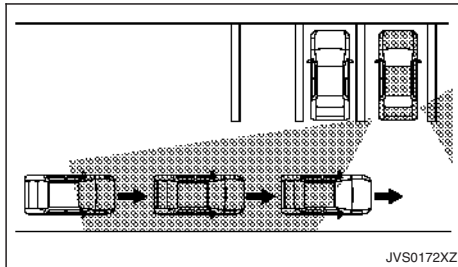


Illustration 1

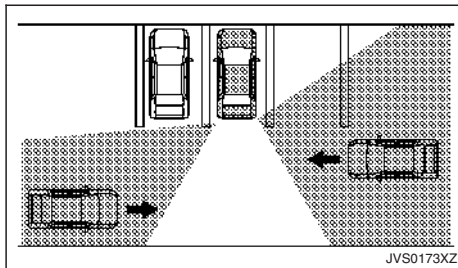
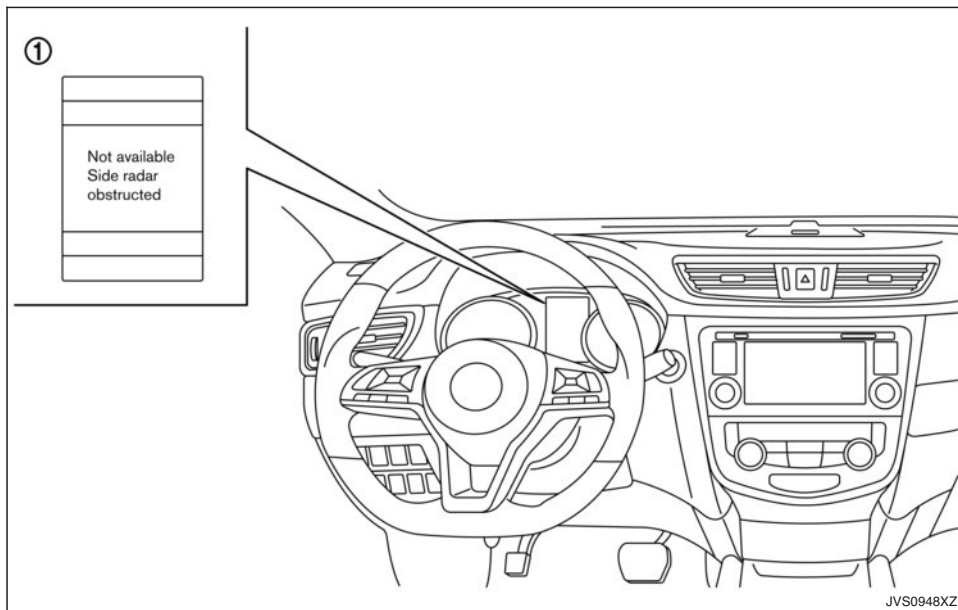


Illustration 2

NOTE

In the case of several vehicles approaching in a row (Illustration 1) or in the opposite direction (Illustration 2), a chime may not be sounded by the RCTA system after the first vehicle passes the sensors.



① Vehicle information display

SYSTEM TEMPORARILY UNAVAILABLE

When radar blockage is detected, the system will be deactivated automatically. The [Not available: Side Radar Obstructed] warning message will appear in the vehicle information display.

The systems are not available until the conditions no longer exist.

The radar sensors may be blocked by temporary ambient conditions such as splashing water, mist or fog.

The blocked condition may also be caused by objects such as ice, frost or dirt obstructing the radar sensors.

NOTE

If the BSW system stops working, the RCTA system will also stop working.

Action to take:

When the above conditions no longer exist, the system will resume automatically.

SYSTEM MALFUNCTION

When the RCTA system malfunctions, it will turn off automatically. The [System fault] warning message will appear in the vehicle information display.

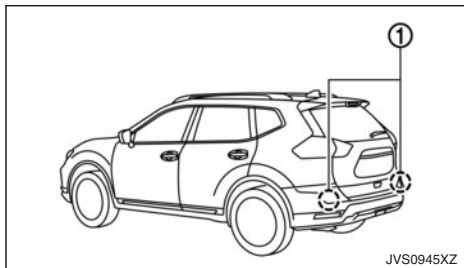
NOTE

If the BSW system stops working, the RCTA system will also stop working.

Action to take:

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

SYSTEM MAINTENANCE



The two radar sensors ① for the RCTA systems are located near the rear bumper. Always keep the area near the radar sensors clean.

The radar sensors may be blocked by temporary ambient conditions such as splashing water, mist or fog.

The blocked condition may also be caused by objects such as ice, frost or dirt obstructing the radar sensors.

Check for and remove objects obstructing the area around the radar sensors.

Do not attach stickers (including transparent material), install accessories or apply additional paint near the radar sensors.

Do not strike or damage the area around the radar sensors. It is recommended that you visit a NISSAN dealer or a qualified workshop if the area around the radar sensors is damaged due to a collision.

For the radio approval numbers and information, see "Radio frequency approval" in the "9. Technical information" section.

SPEED LIMITER (where fitted)

The speed limiter allows you to set the desired vehicle speed limit. While the speed limiter is activated, the driver can perform normal braking and acceleration, but the vehicle will not exceed the set speed.

WARNING

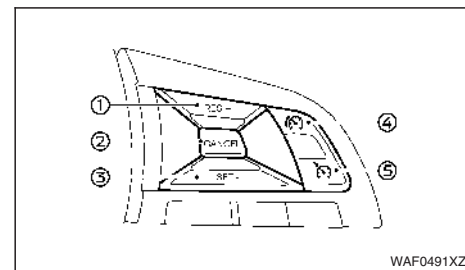
- Always observe posted speed limits. Do not set the speed over them.
- Always confirm the setting status of the speed limiter on the vehicle information display.

When the speed limiter is on, the cruise control (where fitted) system cannot be operated.

SPEED LIMITER OPERATIONS

The speed limiter can be set at a speed between the following speeds.

- 30 to 180 km/h (20 to 112 MPH)



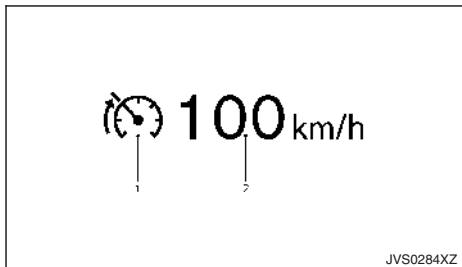
The speed limiter set switches are located on the steering wheel.

1. <RES/+> switch

2. <CANCEL> switch
3. <SET/-> switch
4. 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.)

5. Cruise ON/OFF switch (For details, see “Cruise control (where fitted)” later in this section.)



The speed limiter operating condition is shown on the vehicle information display.

1. Speed limiter indicator
2. Set speed indicator

The speed unit can be converted between km/h and MPH. (See “Vehicle information display” in the “2. Instruments and controls” section.)

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.

The speed limiter will not automatically reduce the vehicle speed to the set speed limit.

Turning on speed limiter

Push the speed limiter MAIN switch. The speed limiter and the set speed indicators illuminate on the vehicle information display.

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 speed limiter indicator and the set speed indicator illuminate on the vehicle information display.

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 5 km/h or 5 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.

The new set speed limit value will be displayed in the vehicle information display.

When the actual vehicle speed exceeds the set speed, an audible warning will be heard a short time after the set speed is exceeded if driver intervention is not detected.

Canceling speed limit

WARNING

- **The vehicle may accelerate when the speed limiter cancels.**
- **When additional floor mats are used, be sure that they are correctly secured and that they cannot interfere with the accelerator pedal. Mats not adapted to the vehicle may prevent proper operation of the speed limiter.**

To cancel the speed limiter, push the <CANCEL> switch. The speed limiter indicator and the set speed indicator on the vehicle information display will turn off.

It is also possible to override the speed limiter by fully depressing the accelerator pedal beyond the resistance point.

Fully depress the accelerator pedal beyond the resistance point. The speed limiter will be suspended to allow driving above the set speed. The set speed indicator will flash. The speed limiter will automatically resume when the vehicle speed drops below the set speed limit.

Resuming a previous set speed

If a set speed limit has been cancelled, the set speed will be stored in the speed limiter memory.

This speed limit can be reactivated by pressing the <RES/+> switch upwards.

If the current vehicle speed is higher than the previous set speed, the accelerator pedal will not work and the set speed indicator will flash until the vehicle speed drops below the set speed limit.

CRUISE CONTROL (where fitted)

When the actual vehicle speed exceeds the set speed, an audible warning will be heard a short time after the set speed is exceeded and driver intervention is not detected.

Turning the speed limiter off

The speed limiter system will be turned off when one of the following operations is performed:

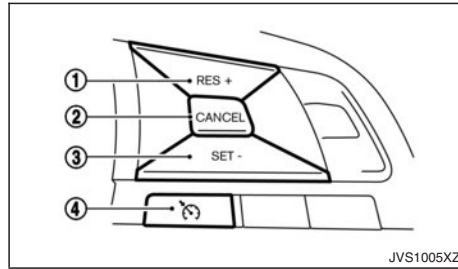
- Push the speed limiter MAIN switch. The speed limiter indicator and the set speed indicator on the vehicle information display will be turned off.
- Push the Cruise ON/OFF switch. The speed limiter information on the vehicle information display will be replaced with the cruise control information. For details see "Cruise control (where fitted)" later in this section.
- When the vehicle is stopped and the ignition switch is placed in the OFF position.

Turning off the speed limiter will erase the set speed limit memory.

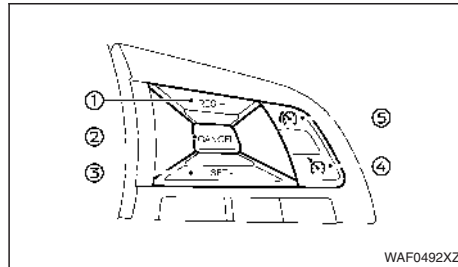
Speed limiter malfunction

If the speed limiter malfunctions, the speed limiter on the vehicle information display will flash.

Turn the speed limiter MAIN switch off and have the system checked by a NISSAN dealer or a qualified workshop.



Model without speed limiter



Model with speed limiter

1. <RES/+> switch
2. <CANCEL> switch
3. <SET/-> switch
4. Cruise ON/OFF switch
5. Speed limiter MAIN switch

WARNING

- The cruise control system **ONLY** maintains a constant vehicle speed, it does not replace the driver.
- 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.

The cruise control system operation switches are located on the steering wheel (right side).

The cruise control system operating condition is shown in the vehicle information display.

PRECAUTIONS ON CRUISE CONTROL

- If the cruise control system malfunctions, it will cancel automatically. The CRUISE indicator in the vehicle information display will then blink to warn the driver.
- If the CRUISE indicator blinks, turn the Cruise ON/OFF switch off and have the system checked by a NISSAN dealer or a qualified workshop.
- The CRUISE indicator may blink when the Cruise ON/OFF switch is turned ON while pushing the <RES/+, <SET/-> or <CANCEL> switch. To properly set the cruise control system, perform the following procedures.

CRUISE CONTROL OPERATIONS

The cruise control allows driving at speeds above 30 km/h (20 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 will cancel the cruise control.

Turning on cruise control

Push the Cruise ON/OFF switch. The CRUISE indicator in the vehicle information display will appear.

Setting cruising speed

1. Accelerate to the desired speed.
2. Push the <SET/-> switch and release it.
3. 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 (1 MPH).

Resetting to faster speed:

Use any one of the following methods to reset to a faster speed.

- Depress the accelerator pedal. When the vehicle reaches the desired speed, push and release the <SET/-> switch.
- Push and hold the <RES/+> switch. When the vehicle reaches the desired speed, release the <RES/+> switch.
- Quickly push and release the <RES/+> switch. This will increase the vehicle speed by about 1 km/h (1 MPH).

Resuming preset speed:

Push and release the <RES/+> switch.

The vehicle will resume the last set cruising speed when the vehicle speed is over 30 km/h (20 MPH).

Cancelling cruising speed

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

- Push the <CANCEL> switch.
- Tap the footbrake pedal.
- Push the Cruise ON/OFF switch. The CRUISE indicator will turn off.

INTELLIGENT EMERGENCY BRAKING WITH PEDESTRIAN DETECTION SYSTEM (where fitted)

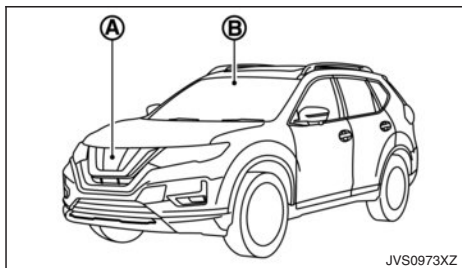
WARNING

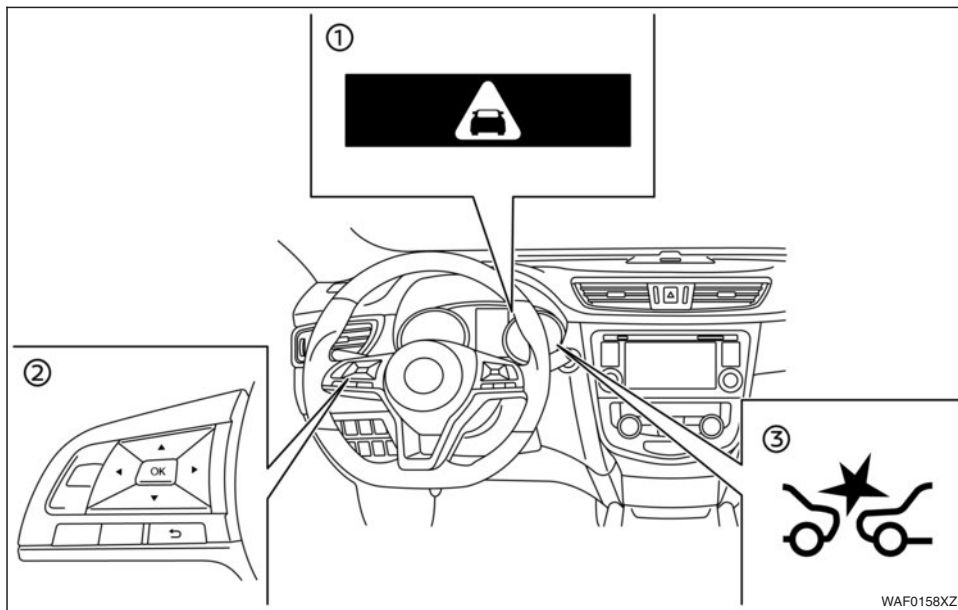
Failure to follow the warnings and instructions for proper use of the Intelligent Emergency Braking with pedestrian detection system could result in serious injury or death.

- The Intelligent Emergency Braking with pedestrian detection system is a supplemental aid to the driver. It is not a replacement for the driver's attention to traffic conditions or responsibility to drive safely. It cannot prevent accidents due to carelessness or dangerous driving techniques.
- The Intelligent Emergency Braking with pedestrian detection system does not function in all driving, traffic, weather and road conditions.

The Intelligent Emergency Braking with pedestrian detection system uses a radar sensor (A) to measure the distance to the vehicle ahead in the same lane. For pedestrians, the Intelligent Emergency Braking system uses a camera (B) installed behind the windscreen in addition to the radar sensor.

The Intelligent Emergency Braking with pedestrian detection system can assist the driver when there is a risk of a forward collision with the vehicle ahead in the travelling lane or with a pedestrian.





- ① Intelligent Emergency Braking emergency warning indicator
- ② Steering-wheel-mounted controls (left side)
- ③ Intelligent Emergency Braking system warning light (on the meter panel)




INTELLIGENT EMERGENCY BRAKING WITH PEDESTRIAN DETECTION SYSTEM OPERATION

The Intelligent Emergency Braking system will function when your vehicle is driven at speeds above approximately 5 km/h (3 MPH). For the pedestrian detection function, the Intelligent Emergency Braking with pedestrian detection system operates at speeds between 10 and 60 km/h (6 and 37 MPH).

If a risk of a forward collision is detected, the Intelligent Emergency Braking with pedestrian detection system will first provide a warning to the driver by flashing the warning (yellow) in the vehicle information display and providing an audible alert. In addition, the Intelligent Emergency Braking system applies partial braking. If the driver applies the brakes quickly and forcefully, but the Intelligent Emergency Braking system detects that there is still the possibility of a forward collision, the system will automatically increase the braking force.

If the risk of a collision becomes imminent and the driver does not take action, the Intelligent Emergency Braking system issues the second warning to the driver by flashing the Intelligent Emergency Braking emergency warning indicator (red), providing an audible warning, and then automatically applies harder braking.

If a risk of a forward impact with a pedestrian is detected, the Intelligent Emergency Braking system will provide a warning to the driver by flashing the Intelligent Emergency Braking emergency warning indicator (red), provides an audible alert and the system will apply partial braking. If the driver applies the brakes quickly and forcefully, but the Intelligent Emergency Braking system detects that there is still the possibility of a forward collision, the system will automatically increase the braking force. If the risk of a collision becomes imminent and the driver does not take action, the Intelligent Emergency Braking system automatically applies harder braking.

Warning	Visual*	Visual	Audible
First	 (Yellow)		Chime
Second	 (Red)		High pitched chime

* Vehicle Information Display

NOTE

- **The vehicle's brake lights come on when braking is performed by the Intelligent Emergency Braking system.**

- **When the Intelligent Emergency Braking system detects an obstacle in the path of the vehicle and displays the Intelligent Emergency Braking warning, a noise may be heard from the engine bay as the vehicle primes the brakes to improve response time.**

Depending on vehicle speed and distance to the vehicle or pedestrian ahead, as well as driving and roadway conditions, the system may help the driver avoid a forward collision or may help mitigate the consequences of a collision, should one be unavoidable. If the driver is handling the steering wheel, accelerating or braking, the Intelligent Emergency Braking system will function later or will not function.

The automatic braking will cease under the following conditions:

- When the steering wheel is turned as far as necessary to avoid a collision.
- When the accelerator pedal is depressed.
- When there is no longer a vehicle or pedestrian detected ahead.

If the Intelligent Emergency Braking system has stopped the vehicle, the vehicle will remain at a standstill for approximately 2 seconds before the brakes are released.

TURNING THE INTELLIGENT EMERGENCY BRAKING WITH PEDESTRIAN DETECTION SYSTEM ON/OFF

Perform the following steps to turn the Intelligent Emergency Braking system ON or OFF.

1. Using the ◀ or ▶ switches and the <OK> button on the left side of the steering wheel, select the [Settings] menu in the Vehicle Information Display.

For details, see "How to use the vehicle information display" in the "2. Instruments and controls" section.
2. Using the ▲ or ▼ switches and the <OK> button, navigate to the [Driver Assistance] menu, followed by the [Driving Aids] menu.
3. In the [Driving Aids] menu, highlight the [Emergency Brake] item and use the <OK> button to toggle between ON (enabled) or OFF (disabled).

When the Intelligent Emergency Braking system is turned off, the Intelligent Emergency Braking system warning light will illuminate.

NOTE

- **Disabling the ESP system causes the Intelligent Emergency Braking system to become unavailable regardless of settings selected in the Vehicle Information Display.**
- **The Intelligent Emergency Braking system will be automatically turned ON when the engine is restarted.**

INTELLIGENT EMERGENCY BRAKING WITH PEDESTRIAN DETECTION SYSTEM LIMITATIONS

WARNING

Listed below are the system limitations for the Intelligent Emergency Braking system. Failure to operate the vehicle in accordance with these system limitations could result in serious injury or death.

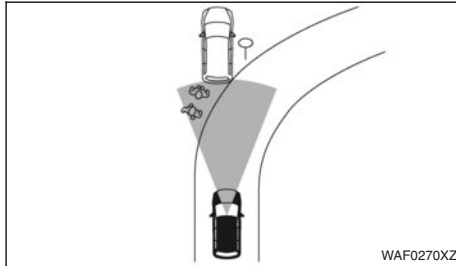
- The Intelligent Emergency Braking system cannot detect all vehicles or pedestrians under all conditions.
- The Intelligent Emergency Braking system does not detect the following objects:
 - Small pedestrians (including small children), animals and cyclists.
 - Pedestrians in wheelchairs or using mobile transport such as scooters, child-operated toys, or skateboards.
 - Pedestrians who are seated or otherwise not in a full upright standing or walking position.
 - Oncoming vehicles.
 - Crossing vehicles.
 - Obstacles on the roadside.

- The Intelligent Emergency Braking system has some performance limitations.
 - If a stationary vehicle is in the vehicle's path, the Intelligent Emergency Braking system will not function when the vehicle is driven at speeds over approximately 80 km/h (50 MPH).
 - For pedestrian detection, the Intelligent Emergency Braking system will not function when the vehicle is driven at speeds over approximately 60 km/h (37 MPH) or below approximately 10 km/h (6 MPH).
- The Intelligent Emergency Braking system may not function for pedestrians in darkness or in tunnels, even if there is street lighting in the area.
- The Intelligent Emergency Braking system may not function if the vehicle ahead is narrow (e.g. a motorcycle).
- The Intelligent Emergency Braking system may not function if the speed difference between the two vehicles is too small.
- The Intelligent Emergency Braking system may not function properly or detect a vehicle ahead in the following conditions:
 - Poor visibility (conditions such as rain, snow, fog, dust storms, sand storms, and road spray from other vehicles).
 - Driving on a steep downhill slope or roads with sharp curves.
 - Driving on a bumpy road surface, such as an uneven dirt road.

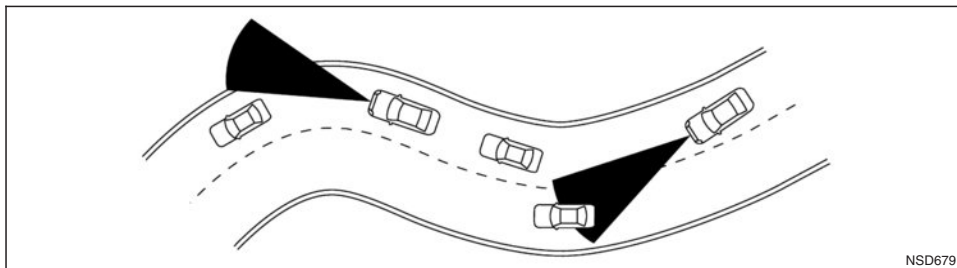
- If dirt, ice, snow or other material is covering the radar sensor area.
- Interference by other radar sources.
- The camera area of the windscreen is fogged up, covered with dirt, water drops, ice, snow, etc.
- Strong light (e.g. sunlight or high beams from oncoming vehicles) enters the front camera. Strong light causes the area around the pedestrian to be cast in shadow, making it difficult to see.
- A sudden change in brightness occurs. For example, when the vehicle enters or exits a tunnel or a shaded area or lightning flashes.
- The poor contrast of a person to the background, such as having clothing coloured or patterned similar to the background.
- The pedestrian's profile is partially obscured or unidentifiable due to the pedestrian transporting luggage, wearing bulky or very loose-fitting clothing or accessories.
- The system performance may degrade in the following conditions:
 - The vehicle is driven on a slippery road.
 - The vehicle is driven on a slope.
 - Excessively heavy luggage is loaded in the rear seat or the luggage area of your vehicle.

- The system is designed to automatically check the sensor (radar and camera) functionality, within certain limitations. The system may not detect some forms of obstruction of the sensor area such as ice, snow, stickers, etc. In these cases, the system may not be able to warn the driver properly. Be sure that you check, clean and clear sensor areas regularly.
- In some road or traffic conditions, the Intelligent Emergency Braking system may unexpectedly apply partial braking. When acceleration is necessary, continue to depress the accelerator pedal to override the system.
- The Intelligent Emergency Braking system may operate when the following are similar to the outlines of pedestrians, or if they are the same size and position as a vehicle's and motorcycle's tail lights.
 - Paint, a shadow or a pattern on the road, roadside or a wall (including faded and unusual road markings).
 - A shape formed by road structures ahead (such as tunnels, viaducts, traffic sign, reflectors installed on the side of vehicles, reflection sheets, and guardrails), roadside objects (trees, buildings) and light sources.
 - A shape formed by road side objects, such as trees, lighting, shadows, or buildings.

- The Intelligent Emergency Braking system may react to:
 - objects on the roadside (traffic sign, guardrail, pedestrian, vehicle, etc.)



- objects above the road (low bridge, traffic sign, etc.)
- objects on the road surface (railroad track, grate, steel plate, etc.)
- objects in a parking garage (beam, pillar, etc.)
- pedestrians approaching the travelling lane
- vehicles, pedestrians or objects in adjacent lane or close to the vehicle
- oncoming pedestrians
- Braking distances increase on slippery surfaces.
- Excessive noise will interfere with the warning chime sound, and the chime may not be heard.



When driving on some roads, such as winding, hilly, curved, narrow roads, or roads which are under construction, the sensor may detect vehicles in a different lane, or may temporarily not detect a vehicle travelling ahead. This may cause the system to work inappropriately.

The detection of vehicles may also be affected by vehicle operation (steering manoeuvre or travelling position in the lane, etc.) or vehicle condition. **If this occurs, the system may warn you by blinking the system indicator and sounding the chime unexpectedly. You will have to manually control the proper distance to the vehicle travelling ahead.**

SYSTEM TEMPORARILY UNAVAILABLE

Condition A:

In the following conditions, the Intelligent Emergency Braking system warning light blinks, a [Not Available Camera Obstructed] message will appear in the vehicle information display and the system will be turned off automatically.

- The camera area of the windscreen is misted or frozen.
- The camera area of the windscreen is continuously covered with dirt, etc.

Action to take:

Check that the windscreen is clean and free from ice/mist in front of the camera. If necessary, operate the Max Demist function or heated front screen to clear. This may take several minutes.

Condition B:

In the following conditions, the Intelligent Emergency Braking warning light will blink, with no accompanying message in the vehicle information display.

- Strong light is shining onto the front of the vehicle.
- The cabin temperature is over approximately 40 °C (104 °F) in direct sunlight.
- The radar sensor picks up interference from another radar source.

Action to take:

None. When the above condition no longer exists, the Intelligent Emergency Braking system will resume automatically.

Condition C:

In the following condition, the Intelligent Emergency Braking warning light (yellow) will illuminate and the [Not available: Front radar obstructed] warning message will appear in the Vehicle Information Display.

- The sensor area on the front of the vehicle is covered with dirt or is obstructed.

Action to take:

If the warning light (yellow) comes on, stop the vehicle in a safe place and turn the engine off. Check if the sensor area of the front grille/emblem is blocked, and remove the blocking material. Restart the engine. If the warning light continues to illuminate after driving for a few minutes, have the Intelligent Emergency Braking system checked by a NISSAN dealer or qualified workshop.

Condition D:

In the following condition, the Intelligent Emergency Braking warning light (yellow) will illuminate and the [Not available: Front radar obstructed] warning message will appear in the Vehicle Information Display.

- When driving on roads with limited road structures or buildings (for example, long bridges, deserts, snow fields, driving next to long walls).

Action to take:

When the above conditions no longer exist, the Intelligent Emergency Braking system will resume automatically.

Condition E:

When the Electronic Stability Program (ESP) system is turned OFF, the Intelligent Emergency Braking system braking will not operate. In this case only visible and audible warnings operate. The Intelligent Emergency Braking system warning light (yellow) will illuminate.

Action to take:

When the ESP system is ON, the Intelligent Emergency Braking system will resume automatically.

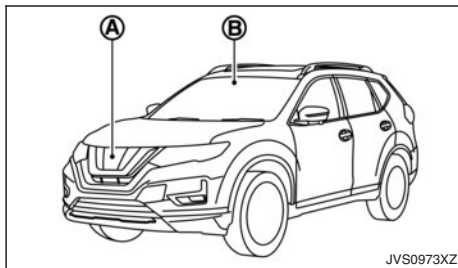
SYSTEM MALFUNCTION

If the Intelligent Emergency Braking system malfunctions, it will be turned off automatically, a chime will sound, the Intelligent Emergency Braking system warning light (yellow) will illuminate and the warning message [System Fault] will appear in the Vehicle Information Display.

Action to take:

If the warning light (yellow) comes on, park the vehicle in a safe location, turn the engine off and restart the engine. If the warning light continues to illuminate, have the Intelligent Emergency Braking system checked by a NISSAN dealer or qualified workshop.

SYSTEM MAINTENANCE



The sensor (A) is located behind the front grille.

The camera (B) is located on the upper side of the windscreen.

To keep the Intelligent Emergency Braking system operating properly, be sure to observe the following:

- Always keep the sensor area clean.
- Do not strike or damage the areas around the sensor.
- Do not cover or attach stickers or similar objects near the sensor area. This could cause failure or malfunction.
- Do not attach metallic objects near the sensor area (brush guard, etc.). This could cause failure or malfunction.
- Do not alter, remove, or paint the front bumper. Before customising or restoring the front bumper, it is recommended that you visit a NISSAN dealer or qualified workshop.

For the radio approval numbers and information, see "Radio frequency approval" in the "9. Technical information" section.

FUEL EFFICIENCY AND CARBON DIOXIDE REDUCTION DRIVING TIPS

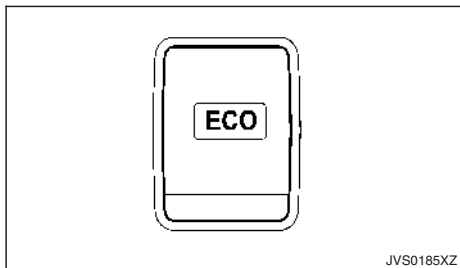
Follow these easy-to-use Fuel Efficiency and Carbon Dioxide Reduction Driving Tips to help you achieve the most fuel economy from your vehicle and reduce carbon dioxide emissions.

1. Use smooth accelerator and brake pedal application.
 - Avoid rapid starts and stops.
 - Use smooth, gentle accelerator and brake application whenever possible.
 - Maintain constant speed while commuting and coast whenever possible.
2. Maintain constant speed.
 - Look ahead to try and anticipate and minimise stops.
 - Synchronising your speed with traffic lights allows you to reduce your number of stops.
 - Maintaining a steady speed can minimise red light stops and improve fuel efficiency.
3. Drive at economical speeds and distances.
 - Observing the speed limit and not exceeding 97 km/h (60 MPH) (where legally allowed) can improve fuel efficiency due to reduced aerodynamic drag.
 - Maintaining a safe following distance behind other vehicles reduces unnecessary braking.
 - Safely monitoring traffic to anticipate changes in speed permits reduced braking and smooth acceleration changes.
 - Select a gear range suitable to road conditions.
4. Use cruise control (where fitted).
 - Using cruise control during highway driving helps maintain a steady speed.
 - Cruise control is particularly effective in providing fuel savings when driving on flat terrains.
5. Plan for the shortest route.
 - Utilise a map or Navigation System (where fitted) to determine the best route to save time.
6. Avoid idling.
 - Shutting off your engine when safe for stops exceeding 30-60 seconds saves fuel and reduces emissions.
7. Buy an automated pass for toll roads.
 - Automated passes permit drivers to use special lanes to maintain cruising speed through the toll and avoid stopping and starting.
8. Winter warm up.
 - Limit idling time to minimise impact to fuel economy.
 - Vehicles typically need no more than 30 seconds of idling at start-up to effectively circulate the engine oil before driving.
 - Your vehicle will reach its ideal operating temperature more quickly while driving versus idling.
9. Keeping your vehicle cool.
 - Park your vehicle in a covered parking area or in the shade whenever possible.
10. Do not carry excessive weight.
 - Remove unnecessary objects from the vehicle to reduce vehicle weight.
- When entering a hot vehicle, opening the windows will help to reduce the inside temperature faster, resulting in reduced demand on your A/C system.

INCREASING FUEL ECONOMY AND REDUCING CARBON DIOXIDE EMISSIONS

- Keep your engine tuned up.
- Follow the recommended scheduled maintenance.
- Keep the tyres inflated to the correct pressure. Low tyre pressure increases tyre wear and lowers fuel economy.
- Keep the wheels in correct alignment. Improper alignment increases tyre wear and lowers fuel economy.
- Use the recommended viscosity engine oil. (See "Recommended Fluids/lubricants and capacities" in the "9. Technical information" section.)

ECO MODE SYSTEM (where fitted)



The ECO mode system helps to enhance the fuel economy by controlling the engine and DCT operation automatically to avoid rapid acceleration.

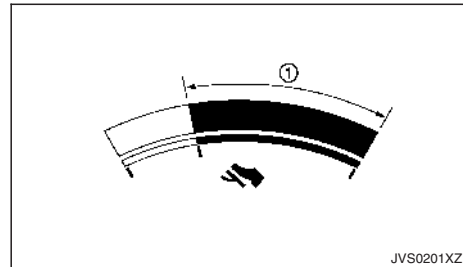
To turn on the ECO mode system, push the ECO switch. The ECO mode indicator appears in the vehicle information display or the ECO mode system indicator light illuminates in the meter panel.

To turn the ECO mode system off, push the ECO switch again. The ECO mode indicator or the ECO mode system indicator light will turn off.

- The ECO mode system cannot be turned off while the accelerator pedal is depressed even if the ECO switch is pushed to OFF. Release the accelerator pedal to turn off the ECO mode system.
- The ECO mode system will turn off automatically if a malfunction occurs in the system.
- Turn the ECO mode system off when acceleration is required, such as when:
 - driving with a heavy load of passengers or cargo in the vehicle

- driving on a steep uphill slope

ECO PEDAL GUIDE FUNCTION



Use the ECO Pedal Guide function for improving fuel economy.

When the ECO Pedal Guide bar is in the green range ①, it indicates that the vehicle is driven within range of economy drive.

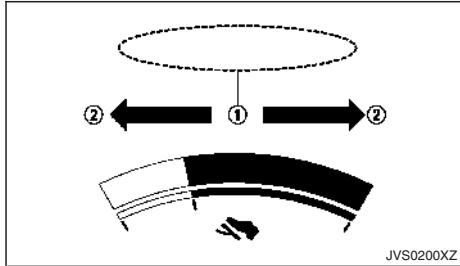
If the ECO Pedal Guide bar is out of the green range, it indicates that the accelerator pedal is depressed over the range of economy drive.

The ECO Pedal Guide bar is not displayed when:

- The cruise control system (where fitted) is operating.
- The vehicle speed is less than approximately 4 km/h (2 MPH).
- The shift lever is in the P (Park), N (Neutral) or R (Reverse) position.

To activate or deactivate the ECO Pedal Guide function, see "Settings" in the "2. Instruments and controls" section.

AMBIENT ECO



The ambient ECO ① is displayed according to the accelerator pedal operation, while driving the vehicle in ECO mode.

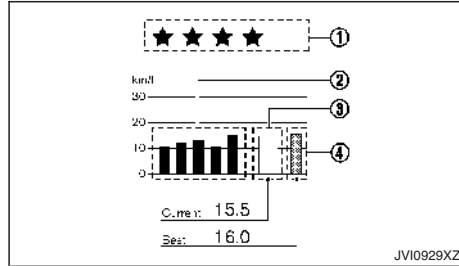
The ambient ECO will illuminate in the directions of ② as the driving pattern becomes more ECO friendly.

To activate or deactivate the ambient ECO, see "Settings" in the "2. Instruments and controls" section.

The ambient ECO is not displayed in the following conditions

- The vehicle speed is under 10 km/h (6 MPH).
- The shift lever is in the P (Park), N (Neutral) or R (Reverse) position.
- The cruise control system (where fitted) is operating.

ECO DRIVE REPORT



When the ignition switch is in the OFF position, ECO management display appears.

- ① ECO evaluation
- ② Previous 5 times (History)
- ③ Current fuel economy
- ④ Best fuel economy

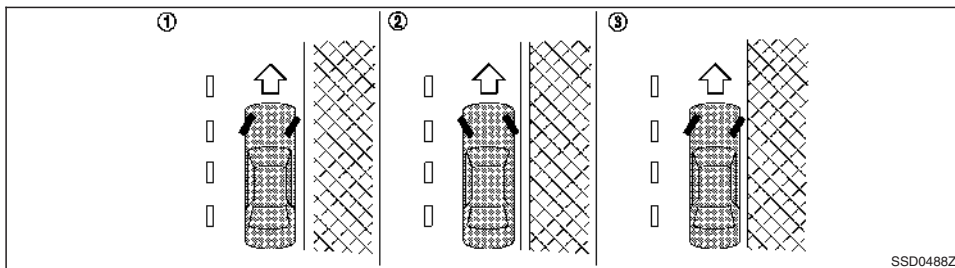
The result of ECO evaluation is displayed when the vehicle is driven for about 10 minutes or more.

- ①: The more economically you drive, the more ★ appear.
- ②: The average fuel economy for the previous 5 times will be displayed.
- ③: The average fuel economy since the last reset will be displayed.
- ④: The best fuel economy of the past history will be displayed.

WARNING

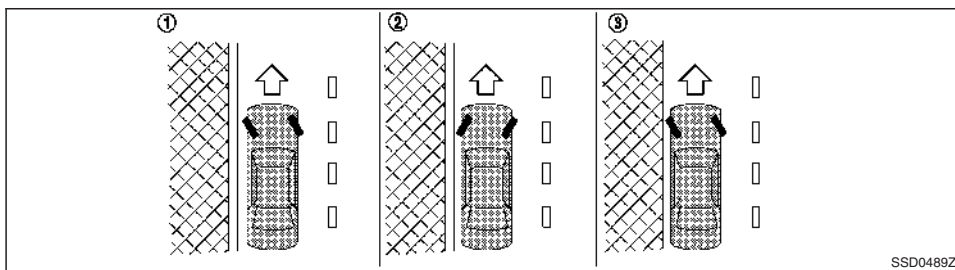
- Do not stop or park the vehicle over flammable materials such as dry grass, waste paper or rags. They may ignite and cause a fire.
- Safe parking procedures require that both the parking brake be applied and the shift lever placed in the P (Park) position. Failure to do so could cause the vehicle to move unexpectedly or roll away and result in an accident.
- When parking the vehicle, make sure the shift lever is moved to the P (Park) position. The shift lever cannot be moved out of the P (Park) position without depressing the footbrake pedal.
- 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.
- Do not leave children unattended inside the vehicle. They could unknowingly activate switches or controls, or move the vehicle. Unattended children could become involved in serious accidents.

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



Left-Hand Drive (LHD) model

SSD0488Z



Right-Hand Drive (RHD) model

SSD0489Z

1. Firmly apply the parking brake.
2. Move the shift lever to the P (Park) position.
3. To help prevent the vehicle from moving into traffic when parked on an incline, it is a good practice to turn the wheels as illustrated.

HEADED DOWNHILL WITH KERB ①

Turn the wheels towards 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.

PARKING SENSOR SYSTEM (where fitted)

HEADED UPHILL OR DOWNHILL, WITHOUT KERB
③

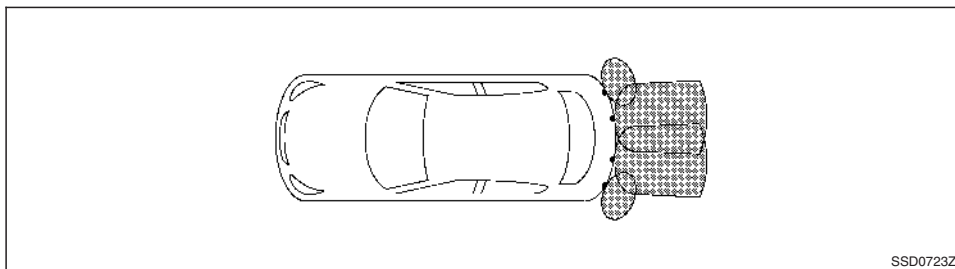
Turn the wheels toward the side of the road so the vehicle will move away from the centre of the road if the vehicle moves. Then apply the parking brake.

4. Model with Intelligent Key:

Place the ignition switch in the OFF position.

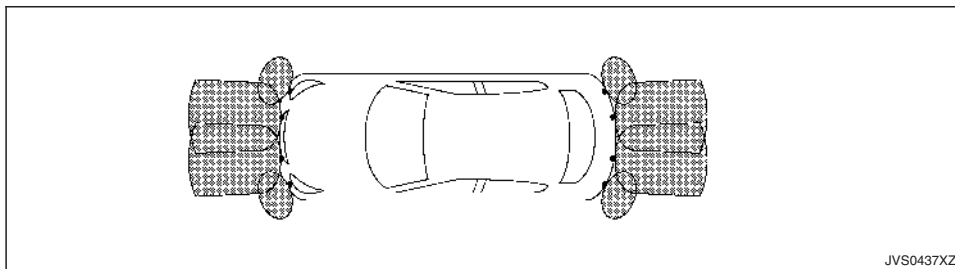
Model without Intelligent Key:

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



Type A

SSD0723Z



Type B

JVS0437XZ

The parking sensor system sounds a tone to inform the driver of obstacles near the bumper.

When the [Display] key is ON, the sensor view will automatically appear in the vehicle information display.

WARNING

- The parking sensor system is a convenience but it is not a substitute for proper parking. The driver is always responsible for safety dur-

ing parking and other manoeuvres. Always look around and check that it is safe to do so before parking.

- Read and understand the limitations of the parking sensor system as contained in this section. The colours of the sensor indicator and the distance guide lines in the front (where fitted)/rear view indicate different distances to the object. Inclement weather or ultrasonic sources such as an automatic car wash, a

truck's compressed-air brakes or a pneumatic drill may affect the function of the system; this may include reduced performance or a false activation.

- This function is designed as an aid to the driver in detecting large stationary objects to help avoid damaging the vehicle. The system is not designed to prevent contact with small or moving objects. Always move slowly.
- The system will not detect small objects below the bumper, and may not detect objects close to the bumper or on the ground.
- The system may not detect the following objects.
 - Fluffy objects such as snow, cloth, cotton, glass-wool, etc.
 - Thin objects such as rope, wire and chain, etc.
 - Wedge-shaped objects
- If your vehicle sustains damage to the bumper fascia, leaving it misaligned or bent, the sensing zone may be altered causing inaccurate measurement of obstacles or false alarms.

CAUTION

- Keep the interior of the vehicle as quiet as possible to hear the tone clearly.

- The front and rear parking sensors (sonar) (for Type B) detect the distance between the vehicle and the obstacle by detecting the sound wave reflected from the surface of the obstacle. When there is a sound such as horn, or an ultrasonic source (such as parking sensors of other vehicles) around the vehicle, the sensor (sonar) may not detect objects properly.
- Keep the 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, the accuracy of the sensor function will be diminished.

For vehicles equipped with rear sensors (Type A):

The system inform with visual and audible signal of rear obstacles when the shift lever is in the R (Reverse) position.

The system is deactivated at speeds above 10 km/h (6 MPH). It is reactivated at lower speeds.

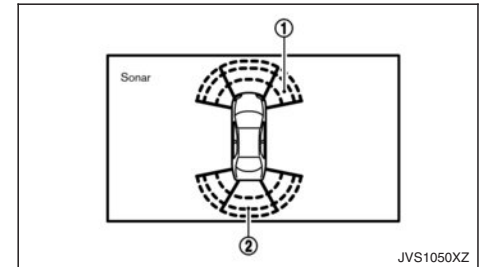
The intermittent tone will stop after 3 seconds when an obstacle is detected by only the parking sensor and the distance does not change. The tone will stop when the obstacle get away from the vehicle.

For vehicles equipped with front and rear sensors (Type B):

The system inform with visual and audible signal of front obstacles when the shift lever is in the D (Drive) position and both front and rear obstacles when the shift lever is in the R (Reverse) position.

The system is deactivated at speeds above 10 km/h (6 MPH). It is reactivated at lower speeds.

The intermittent tone will stop after 3 seconds when an obstacle is detected by only the parking sensor and the distance does not change. The tone will stop when the obstacle moves away from the vehicle.



When the corner of the vehicle moves closer to an object, the parking sensor indicators ① appear (where fitted).

When the centre of the vehicle moves close to an object, the centre indicator ② appears.

When the object is detected, the indicator (green) appears and blinks and the tone sounds intermittently. When the vehicle moves closer to the object, the colour of the indicator turns yellow and the rate of the blinking increase. When the vehicle is very close to the object, the indicator stops blinking and turns red, and the tone sounds continuously.

PARKING SENSOR (sonar) SYSTEM OFF SWITCH (where fitted)

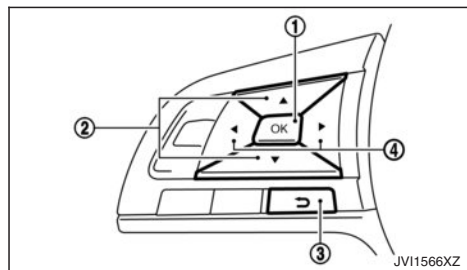
The ◀▶ or ↻ buttons on the steering-wheel-mounted controls allow the driver to turn the parking sensor (sonar) system off.

The parking sensor (sonar) system will turn on automatically under the following conditions:

- When the ignition switch is placed from the OFF position to the ON position.
- When the shift lever is placed to the R (Reverse) position from any other positions.
- When the vehicle speed decreases to approximately below 10 km/h (6 MPH).

The automatic turning on function can be turned on and off by the [Display] key in the setting menu. See "[Parking Aids] (where fitted)" in the "2. Instruments and controls" section.

PARKING SENSOR (sonar) SYSTEM SETTING



Perform the following steps to select the parking sensor (sonar) setting mode.

1. Use the ◀▶ buttons ④ on the steering wheel until [Settings] displays in the vehicle information display and then push the <OK> button ①.
2. Use the ▲▼ buttons ② to select [Driver Assistance]. Then push the <OK> button ①.
3. Select [Parking Aids] and push the <OK> button ①.
4. Select a menu item to change from the following options.

[Cross Traffic] (where fitted)

Activate or deactivate the use of the sensor. Activate or deactivate the Rear Cross Traffic Alert (RCTA) system. For more details, see "Rear Cross Traffic Alert (RCTA) (where fitted)" in the "5. Starting and driving" section.

[ON] (default) - [OFF]

[Moving Object] (where fitted)

Activate or deactivate the use of the sensor. For more details, see "Moving Object Detection (MOD) function (where fitted)" in the "4. Display screen, heater and air conditioner, and audio system" section.

[ON] (default) - [OFF]

[Front Sensor] (where fitted)

Activate or deactivate the use of the sensor.

[ON] (default) - [OFF]

[Rear Sensor]

Activate or deactivate the use of the sensor.

[ON] (default) - [OFF]

[Display] (where fitted)

Automatically shows the sensor view on the vehicle information display when the sensor is activated.

[ON] (default) - [OFF]

[Volume]

Adjust the volume of the tone.

[High] - [Med.] (default) - [Low]

[Range]

Adjust the detection range of the sensor.

[Far] - [Mid.] (default) - [Near]

TRAILER TOWING

Your new vehicle was designed to be used primarily to carry passengers and luggage.

Towing a trailer will place additional loads on your vehicle's engine, drive train, steering, braking and other systems. The towing of a trailer will exaggerate other conditions such as sway caused by crosswinds, rough road surfaces or passing trucks.

Your driving style and speed must be adjusted according to the circumstances. Before towing a trailer, see a NISSAN dealer or a qualified workshop for an explanation about the proper use of towing equipment.

OPERATING PRECAUTIONS

- Avoid towing a trailer during the running-in period.
- Before driving, make sure that the lighting system of the trailer works properly.
- Observe the legal maximum speeds for trailer operation. Do not exceed 100 km/h (62 MPH).
- Avoid abrupt starts, accelerations and stops.
- Avoid sharp turns and lane changes.
- Always drive your vehicle at a moderate speed.
- Do not use the following systems (where fitted) while towing a trailer:
 - Lane Departure Warning (LDW) system
 - Cruise Control system
 - Intelligent Emergency Braking with pedestrian detection system
- Follow the trailer manufacturer's instructions.

- Choose proper coupling devices (trailer hitch, safety chain, roof carrier, etc.) for your vehicle and trailer. These devices are available from a NISSAN dealer or a qualified workshop where you can also obtain more detailed information about trailer towing.
- Never allow the total trailer load (trailer weight plus its cargo weight) to exceed the maximum set for the vehicle and the coupling device. See a NISSAN dealer or a qualified workshop for more information.
- The trailer must be loaded so that heavy goods are placed over the axle. The maximum allowable vertical load on the trailer hitch must not be exceeded.
- Have your vehicle serviced more often than at the intervals specified in a separate maintenance booklet.
- Trailer towing requires more fuel than under normal circumstances because of a considerable increase in traction power and resistance.

While towing a trailer, check the engine coolant temperature indicator to prevent the vehicle from overheating.

TYRE PRESSURE

When towing a trailer, inflate the vehicle tyres to the maximum recommended COLD tyre pressure (for full loading) indicated on the tyre placard.

Do not tow a trailer when the vehicle is installed with a temporary spare tyre or a compact spare tyre.

SAFETY CHAINS

Always use a suitable chain between the vehicle and trailer. The chain should be crossed and should be attached to the hitch, not to the vehicle bumper or axle. Be sure to leave enough slack in the chain to permit turning corners.

TRAILER BRAKES

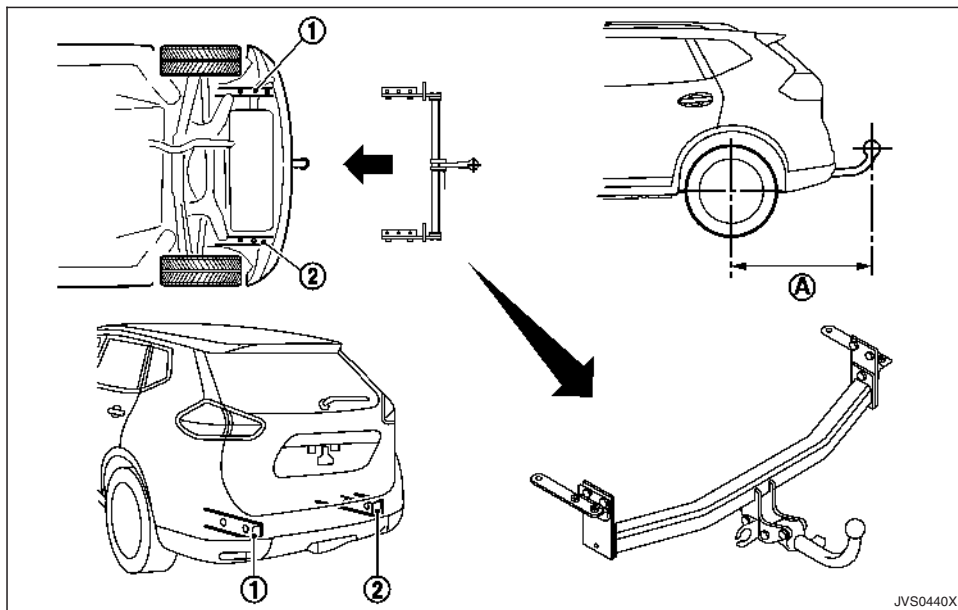
Ensure that trailer brakes are installed as required by local regulations. Also check that all other trailer equipment conforms to local regulations.

Always block the wheels on both the vehicle and trailer when parking. Apply the hand brake on the trailer where fitted. Parking on a steep slope is not recommended.

If parking on a steep slope is unavoidable, place the shift lever in the P (Park) position and turn the front wheels towards the kerb.

TRAILER DETECTION (where fitted)

When towing a trailer with a genuine NISSAN tow bar electrical kit and the turn signal switch is used, the electrical system of the vehicle will detect the additional electrical load of the trailer lighting. As a result, the direction indicator tone will be different.



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COUPLING DEVICE INSTALLATION

NISSAN recommends that the coupling device for trailer towing be installed under the following conditions:

- Maximum permissible vertical load on the coupling device: 736 N (75 kg, 166 lb)

- The coupling device, mounting points and installation parts on your vehicle: as shown as an example in the illustration.
- Rear overhang of coupling device: (A) 1,108 mm (43.6 in)

Follow all of the coupling device manufacturer's instructions for installation and use.

CAUTION

If your vehicle is equipped with a coupling device: Always remove or reposition the mechanical coupling device when it is not in use to avoid obscuring the rear fog light.

ELECTRIC POWER STEERING SYSTEM


WARNING

- **If the engine is not running or is turned off while driving, the power assist for the steering will not work. Steering will be harder to operate.**
- **When the electric power steering warning light illuminates with the engine running, the power assist for the steering will cease operation. You will still have control of the vehicle, but the steering will be much harder to operate.**

The electric power steering system is designed to provide power assist while driving to operate the steering wheel with light force.

When the steering wheel is operated repeatedly or continuously while parking or driving at a very low speed, the power assist for the steering wheel will be reduced. This is to prevent overheating of the electric power steering system and protect it from getting damaged. While the power assist is reduced, steering wheel operation will become heavy. When the temperature of the electric power steering system goes down, the power assist level will return to normal. Avoid repeating such steering wheel operations that could cause the electric power steering system to overheat.

You may hear a fricative sound when the steering wheel is operated quickly. However, this is not a malfunction.

If the electric power steering warning light  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 a 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.

BRAKE SYSTEM

The brake system has two separate hydraulic circuits. If one circuit malfunctions, you will still have braking ability at two wheels.

BRAKE PRECAUTIONS

Vacuum assisted brakes

The brake booster aids braking by using engine vacuum. If the engine stops, you can stop the vehicle by depressing the footbrake pedal. However, greater foot pressure on the footbrake pedal will be required to stop the vehicle. The stopping distance will be longer.

If the engine is not running or is turned off while driving, the power assisted brakes will not function. Braking will be harder.

WARNING

Do not coast with the engine stopped.

Using brakes

Avoid resting your foot on the footbrake pedal while driving. This will overheat the brakes, wear out the brake linings/pads faster, and increase fuel consumption.

To help reduce brake wear and to prevent the brakes from overheating, reduce speed and downshift to a lower gear before going down a slope or long grade. Overheated brakes may reduce braking performance and could result in loss of vehicle control.

While driving on a slippery surface, be careful when braking, accelerating or downshifting. Abrupt braking or acceleration could cause the wheels to skid and result in an accident.

Wet brakes

When the vehicle is washed or driven through water, the brakes may get wet. As a result, your braking distance will be longer and the vehicle may pull to one side during braking.

To dry the brakes, drive the vehicle at a safe speed while lightly depressing the brake pedal to heat up the brakes. Do this until the brakes return to normal. Avoid driving the vehicle at high speeds until the brakes function correctly.

Parking brake running-in

Break in the parking brake shoes whenever the stopping effect of the parking brake is weakened or whenever the parking brake shoes and/or drums/rotors are replaced, in order to assure the best braking performance.

This procedure is described in the vehicle service manual and can be performed by a NISSAN dealer or a qualified workshop.

Driving uphill

When starting on a steep grade, apply the parking brake to hold the vehicle. When ready to start, slowly release the parking brake while depressing the accelerator pedal.

Driving downhill

The engine braking action is effective for controlling the vehicle while descending hills. The manual shift mode or the L position should be selected.

BRAKE ASSIST

When the force applied to the brake pedal exceeds a certain level, the Brake Assist is activated generating greater braking force than a conventional brake booster even with light pedal force.

WARNING

The Brake Assist is only an aid to assist braking operation and is not a collision warning or avoidance device. It is the driver's responsibility to stay alert, drive safely and be in control of the vehicle at all times.

ANTI-LOCK BRAKING SYSTEM (ABS)

WARNING

- **The Anti-lock Braking System (ABS) is a sophisticated device, but it cannot prevent accidents resulting from careless or dangerous driving techniques. It can help maintain vehicle control during braking on slippery surfaces. Remember that stopping distances on slippery surfaces will be longer than on normal surfaces even with ABS. Stopping distances may also be longer on rough, gravel or snow covered roads, or if you are using 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 that it is the proper size and type as specified on the tyre placard. (See "Tyre placard" in the "9. Technical information" section.)**
- **For detailed information, see "Tyres and wheels" in the "8. Maintenance and do-it-yourself" section.**

The Anti-lock Braking System (ABS) controls the brakes so the wheels do not lock during hard braking or when braking on slippery surfaces. The system detects the rotation speed at each wheel and varies the brake fluid pressure to prevent each wheel from locking and sliding. By preventing each wheel from locking, the system helps the driver maintain steering control and helps to minimise swerving and spinning on slippery surfaces.

Using system

Depress the brake pedal and hold it down. Depress the brake pedal with firm steady pressure, but do not pump the brakes. The ABS will operate to prevent the wheels from locking up. Steer the vehicle to avoid obstacles.

WARNING

Do not pump the brake pedal. Doing so may result in increased stopping distances.

VEHICLE SECURITY

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 a qualified workshop.

Normal operation

The ABS operates at speeds above 5 to 10 km/h (3 to 6 MPH). The speed varies according to road conditions.

When the ABS senses that one or more wheels are close to locking up, the actuator rapidly applies and releases hydraulic pressure. This action is similar to pumping the brakes very quickly. You may feel a pulsation in the brake pedal and hear a noise from under the bonnet or feel a vibration from the actuator when it is operating. This is normal and indicates that the ABS is operating properly. However, the pulsation may indicate that road conditions are hazardous and extra care is required while driving.

When leaving your vehicle unoccupied:

- Always take the key with you - even when leaving the vehicle in your own garage.
- Close all windows completely and lock all doors.
- Always park your vehicle where it can be seen. Park in a well lit area during the night.
- If the security system is equipped, use it - even for a short period.
- Never leave children or pets in the vehicle unattended.
- Never leave valuables inside the vehicle. Always take valuables with you.
- Never leave the vehicle documents in the vehicle.
- Never leave articles on a roof rack. Remove them from the rack and keep and lock them inside the vehicle.
- Never leave the spare key in the vehicle.

COLD WEATHER DRIVING

WARNING

- **Whatever the condition, drive with caution. Accelerate and decelerate with great care. If accelerating or decelerating too fast, the drive wheels will lose even more traction.**
- **Allow more stopping distance in cold weather driving. Braking should be started sooner than on dry pavement.**
- **Keep at a greater distance from the vehicle in front of you on slippery roads.**
- **Wet ice (0°C, 32°F and freezing rain), very cold snow and ice can be slick and very difficult to drive on. The vehicle will have a lot less traction or grip under these conditions. Try to avoid driving on wet ice until the road is salted or sanded.**
- **Watch for slippery spots (glaring ice). These may appear on an otherwise clear road in shaded areas. If a patch of ice is seen ahead, brake before reaching it. Try not to brake while actually on the ice, and avoid any sudden steering manoeuvres.**
- **Do not use cruise control on slippery roads.**
- **Snow can trap dangerous exhaust gas under your vehicle. Keep snow clear of the exhaust pipe and from around your vehicle.**

BATTERY

If the battery is not fully charged during extremely cold weather conditions, the battery fluid may freeze and damage the battery. To maintain maximum efficiency, the battery should be checked regularly. For details, see "Battery" in the "8. Maintenance and do-it-yourself" section of this manual.

ENGINE COOLANT

If the vehicle is to be left outside without anti-freeze, drain the cooling system, including the engine block. Refill before operating the vehicle. For details, see "Changing engine coolant" in the "8. Maintenance and do-it-yourself" section of this manual.

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 local, state and provincial laws before installing studded tyres.

Skid and traction capabilities of studded snow tyres, on wet or dry surfaces, may be poorer than that of non-studded snow tyres.

4. Snow chains may be used if desired. Make sure they are the proper size for the tyres on your vehicle and are installed according to the chain manufacturer's instructions. Use chain tensioners when recommended by the tyre chain manufacturer to ensure a tight fit. Loose end links of the tyre chains must be secured or removed to prevent the possibility of whipping action damage to the fenders or underbody. In addition, drive at a reduced speed, otherwise, your vehicle may be damaged and/or vehicle handling and performance may be adversely affected.

SPECIAL WINTER EQUIPMENT

It is recommended that the following items be carried in the vehicle during the winter:

- A scraper and stiff-bristled brush to remove ice and snow from the windows.
- A sturdy, flat board to be placed under the jack to give it firm support.
- A shovel to dig the vehicle out of snowdrifts.

PARKING BRAKE

When parking in an area where the outside temperature is below 0°C (32°F), the parking brake, if applied, may freeze in place and may be difficult to release. For safe parking, it is recommended that you place the shift lever in the "P" (Park) position and securely block the wheels.

To keep the electronic parking brake released after the engine is turned off, see "Parking brake" in the "3. Pre-driving checks and adjustments" section.

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 fenders.

In the winter, the underbody must be cleaned periodically. For additional information, see "Corrosion protection" in the "7. Appearance and care" section of this manual.

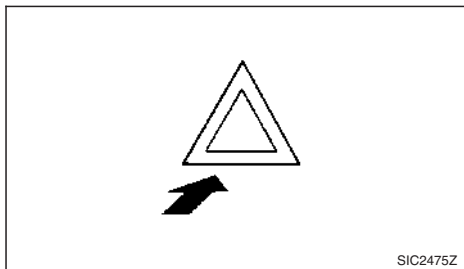
For additional protection against rust and corrosion, which may be required in some areas, consult a NISSAN dealer or a qualified workshop.

NOTE

6 In case of emergency

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HAZARD WARNING FLASHER SWITCH



The hazard warning flasher switch operates regardless of the ignition switch position except when the battery is discharged.

The hazard warning flasher is used to warn other drivers when you have to stop or park under emergency conditions.

When the hazard warning flasher switch is pushed, all turn signal lights will flash. To turn off the hazard warning flasher, push the hazard warning flasher switch again.

When an impact that could activate the supplemental air bags is detected, the hazard warning flasher lights blink automatically. If the hazard warning flasher switch is pushed, the hazard warning flashers will turn off.

WARNING

Do not turn the hazard warning flasher switch off until you can make sure that it is safe to do so. Also, the hazard warning flasher may not blink automatically depending on the force of impact.

FLAT TYRE

If you have a flat tyre, follow the instructions as follows.

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 or the TPMS may be malfunctioning. If you have a flat tyre, replace it with a spare tyre (where fitted) as soon as possible. If no tyre is flat and all tyres are properly inflated, have the vehicle checked by a NISSAN dealer or a qualified workshop.**
- **Since the spare tyre is not equipped with the TPMS, 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 a 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.**

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. If the vehicle is being driven with low tyre pressure, the TPMS will activate and warn you of it 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 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

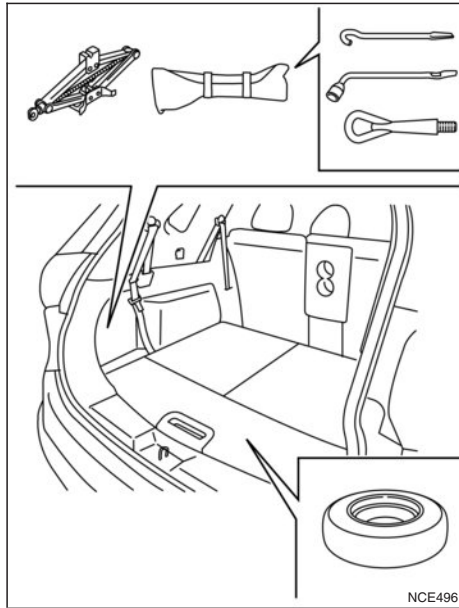
- **Be sure to apply the parking brake firmly.**
- **Be sure to move the shift lever to the P (Park) position.**
- **Never change tyres when the vehicle is on a slope, ice or slippery area. This is hazardous.**
- **Never change tyres when the oncoming traffic is close to your vehicle. Call for professional road assistance.**

1. Safely move the vehicle off the road away from traffic.
2. Turn on the hazard warning flasher lights.

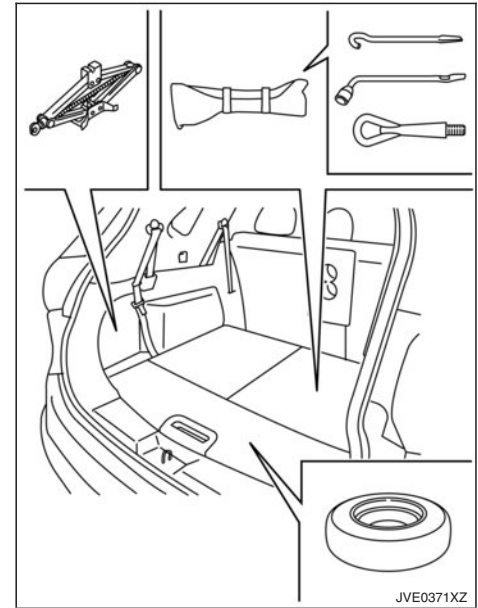
3. Park on a level surface.
4. Apply the parking brake.
5. Move the shift lever to the P (Park) position.
6. Turn off the engine.
7. Open the bonnet and set up the triangle reflector (where fitted):
 - To warn other traffic.
 - To signal professional road assistance personnel that you need assistance.
8. Have all passengers get out of the vehicle and stand in a safe place, away from other traffic and clear of the vehicle.

PREPARING TOOLS AND SPARE TYRE (where fitted)

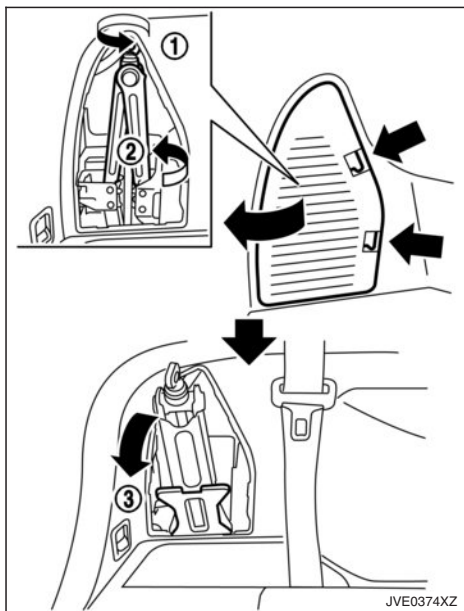
Remove the jack, necessary tools and the spare tyre from the storage area.



Type A



Type B



1. Remove the storage door by pressing the two release tabs simultaneously.
2. Unhook the clip restraining the jack and tool kit, and then remove the tool kit.
3. Loosen the jack by turning the jack lever ① as shown in the illustration.

4. Turn the bottom ② of the jack 90 degrees, tilt the top ③ of the jack towards you, and then remove the jack slowly. To store the jack, perform this in the reverse order and then tighten the jack lever so that it does not rattle.

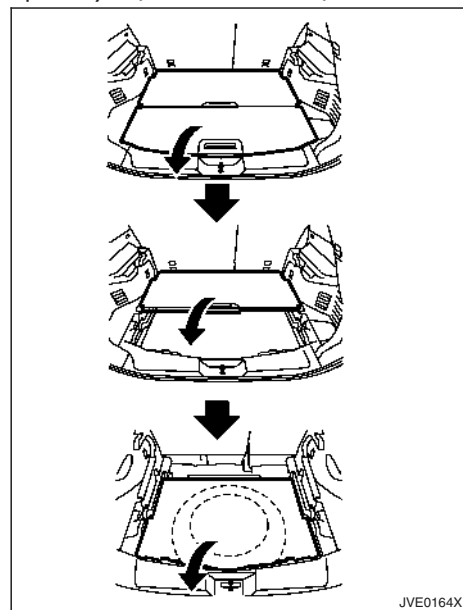
CAUTION

When removing the jack, be careful that your hands do not hit against the vehicle. Otherwise, this could result in personal injury.

NOTE

- When storing the jack, do not overtighten the jack lever using a screw driver. Doing so could cause deformation of the installation area for the jack.
- Do not allow the jack to contact the interior parts. Doing so could cause damage to the vehicle.

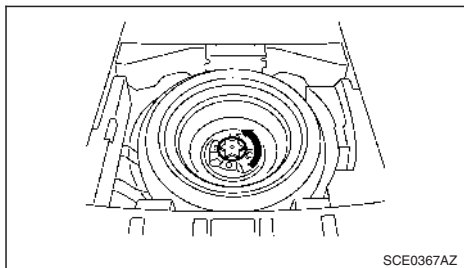
Spare tyre (Two row model)



For Type A:

The spare tyre is located under the luggage floorboards.

1. Remove the luggage floorboards.

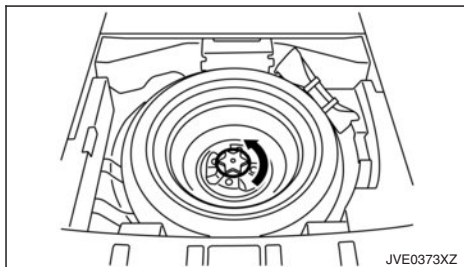


2. Remove the clamp holding the spare tyre.

For Type B:

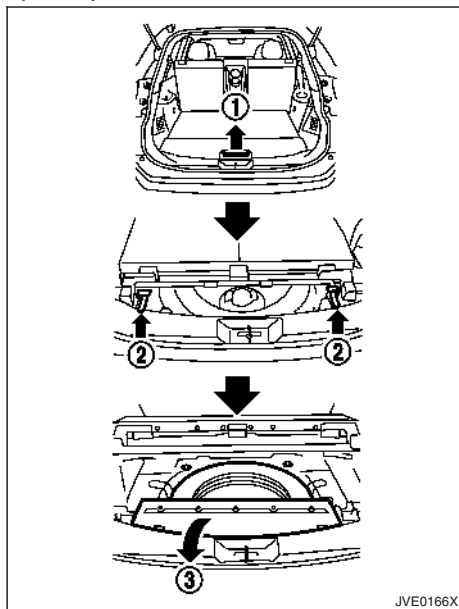
The spare tyre and tools are located under the luggage floorboards.

1. Remove the luggage floorboards.
2. Remove the tools from the storage area.



3. Remove the clamp holding the spare tyre.

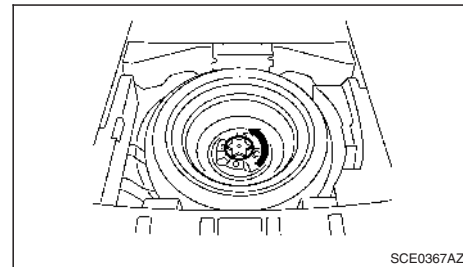
Spare tyre (Three row model)



For Type A:

The spare tyre is located under the luggage floorboards.

1. Fold the third row seats flat and then remove the luggage floorboard ①. For folding the third row seats, see "Third row seats (where fitted)" in the "1. Safety — seats, seat belts and supplemental restraint system" section.
2. Pull the strap ② to raise the seat.
3. Remove the cover ③

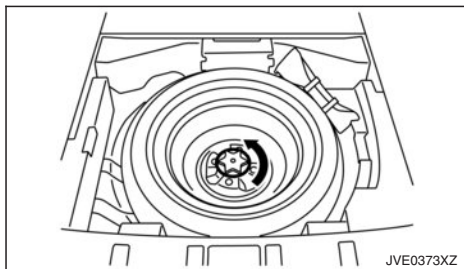


4. Remove the clamp holding the spare tyre.

For Type B:

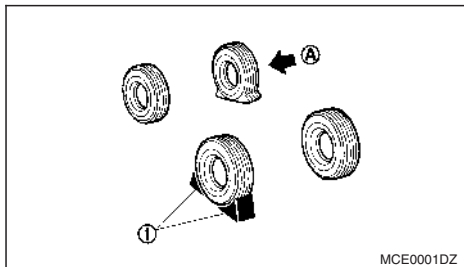
The spare tyre and tools are located under the luggage floorboards.

1. Fold the third row seats flat and then remove the luggage floorboard ①. For folding the third row seats, see "Third row seats (where fitted)" in the "1. Safety — seats, seat belts and supplemental restraint system" section.
2. Pull the strap ② to raise the seat.
3. Remove the cover ③.
4. Remove the tools from the storage area.



5. Remove the clamp holding the spare tyre.

BLOCKING WHEELS

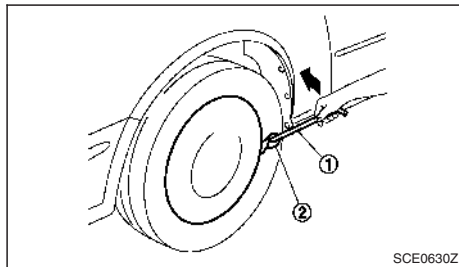


WARNING

Be sure to block the appropriate wheel to prevent the vehicle from moving, which may cause personal injury.

Place suitable blocks ① at both the front and back of the wheel diagonally opposite the flat tyre ④ to prevent the vehicle from moving when it is jacked up.

REMOVING WHEEL COVER (where fitted)



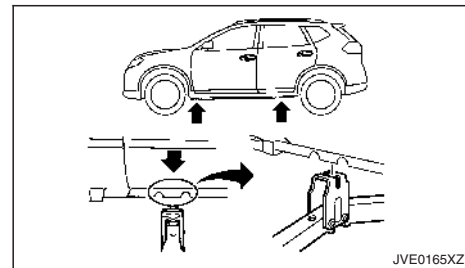
WARNING

Never use your hands to remove the wheel cover. This may cause personal injury.

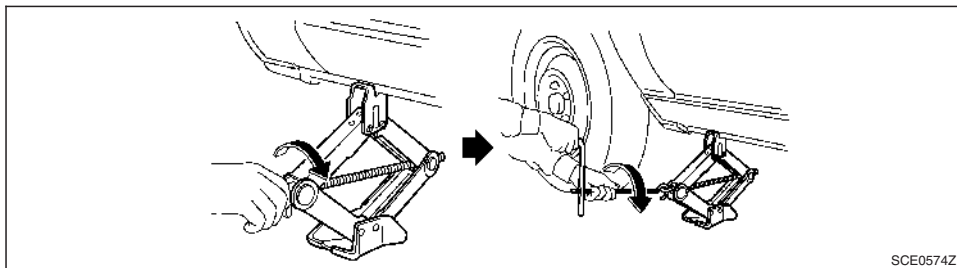
To remove the wheel cover, use the jack rod ① as illustrated.

Apply cloth ② between the wheel and jack rod to prevent damaging the wheel and wheel cover.

REMOVING TYRE



Jack-up points



SCE0574Z

Jacking up vehicle

WARNING

- Be sure to read and follow the instructions in this section.
- **DO NOT GET UNDER A VEHICLE THAT IS SUPPORTED BY A JACK.**
- Never use a jack which is not provided with your vehicle.
- The jack, which is provided with your vehicle, is designed only to lift your vehicle during a tyre change. Do not use the jack provided with your vehicle on other vehicles.
- Never jack up the vehicle at a location other than the jack-up point that is specified.
- Never lift the vehicle more than necessary.
- Never use blocks on or under the jack.
- Never start or run the engine while the vehicle is on the jack. The vehicle may move suddenly, and this may cause an accident.

- Never allow passengers to remain in the vehicle while the tyre is off the ground.
- Be sure to read the caution label attached to the jack body before using.

1. Place the jack directly under the jack-up point as illustrated so that the top of the jack contacts the vehicle at the jack-up point.

The jack should be placed on firm level ground.

2. Align the jack head between the two notches located at the jack-up point of either the front or the rear section.
3. Fit the groove of the jack head between the notches as shown.
4. Loosen each wheel nut, anticlockwise, one or two turns with the wheel nut wrench.

Do not remove the wheel nuts until the tyre is off the ground.

5. Carefully raise the vehicle until the clearance between the tyre and ground is achieved.

6. To lift the vehicle, securely hold the jack lever and rod with both hands and turn the jack lever.

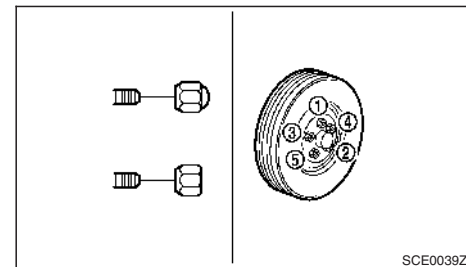
Removing tyre

1. Remove the wheel nuts.
2. Remove the damaged tyre.

CAUTION

The tyre is heavy. Be sure that your feet are clear from the tyre and use gloves as necessary to avoid injury.

INSTALLING SPARE TYRE



SCE0039Z

WARNING

- Never use wheel nuts which are not provided with your vehicle. Incorrect wheel nuts or improperly tightened wheel nuts may cause the wheel to become loose or come off. This could cause an accident.

- **Never use oil or grease on the wheel studs or nuts. This may cause the wheel nuts to become loose.**
- **The T-type spare tyre is designed for emergency use only.**

1. Clean any mud or dirt from the surface between the wheel and hub.
2. Carefully put the spare tyre on and tighten the wheel nuts with your fingers. Check that all the wheel nuts contact the wheel surface horizontally.
3. Tighten the wheel nuts alternately and evenly in the sequence illustrated (① - ⑤), more than 2 times with the wheel nut wrench, until they are tight.
4. Lower the vehicle slowly until the tyre touches the ground.
5. Tighten the wheel nuts securely, with the wheel nut wrench, in the sequence illustrated.
6. Lower the vehicle completely.

Tighten the wheel nuts to the specified torque with a torque wrench as soon as possible.

Wheel nut tightening torque:

108 N·m (11 kg·m, 80 ft·lb)

The wheel nuts must be kept tightened to specification at all times. It is recommended that the wheel nuts be tightened to specification at each lubrication interval.

WARNING

Retighten the wheel nuts when the vehicle has been driven for 1,000 km (600 miles) (also in cases of a flat tyre, etc.).

FOR MODELS EQUIPPED WITH TYRE PRESSURE MONITORING SYSTEM (TPMS)

- After adjusting the tyre pressure, the TPMS must be reset (model with TPMS reset function). See "Tyre Pressure Monitoring System (TPMS) (where fitted)" in the "5. Starting and driving" section for details about the resetting procedure.
- After adjusting tyre pressure to the COLD tyre pressure, the display of the tyre pressures (where fitted in the vehicle information display) may show higher pressure than the COLD tyre pressure after the vehicle has been driven more than 1.6 km (1 mile). This is because the tyre pressurises as the tyre temperature rises. This does not indicate a system malfunction.

STOWING DAMAGED TYRE AND TOOLS

WARNING

- **Be sure that the tyre, jack and tools used are properly stored after use. Such items can become dangerous projectiles in an accident or sudden stop.**
- **The T-type spare tyre is designed for emergency use only.**

1. Securely store the damaged tyre, jack and tools used in the storage area in the reverse order of removal. (See "Preparing tools and spare tyre (where fitted)" earlier in this section.)
2. Replace the luggage floorboards.
3. Close the back door.

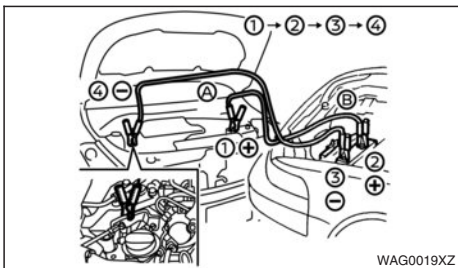
NOTE

When stowing the jack and tools, bundle and fasten them using the band included with the tool bag, before storing them. Otherwise the tools may contact each other and produce noise.

JUMP STARTING

WARNING

- Incorrect jump starting can lead to a battery explosion. The battery explosion may result in severe injury or death. It may also result in damage to the vehicle. Be sure to follow the instructions in this section.
- Explosive hydrogen gas is always present in the vicinity of the battery. Keep all sparks and flames away from the battery.
- Always wear suitable eye protection and remove rings, bracelets, and any other jewellery whenever working on or near a battery.
- Never lean over the battery while jump starting.
- Never allow battery fluid to come into contact with eyes, skin, clothes or the vehicle's painted surfaces. Battery fluid is a corrosive sulphuric acid which can cause severe burns. If the fluid comes into contact with anything, immediately flush the contacted area with plenty of water.
- Keep the battery out of the reach of children.
- The booster battery must be rated at 12 volts. Use of an incorrectly rated battery will damage your vehicle.
- Never attempt to jump start a frozen battery. It could explode and cause serious injury.



1. If the booster battery is in another vehicle (B), position the two vehicles (A) and (B) to bring the batteries into close proximity to each other.

CAUTION

If the battery of vehicle (A) equipped with the Intelligent Key system is discharged, the ignition switch cannot be placed from the LOCK position and, if the steering lock is engaged, the steering wheel cannot be moved. Connect the jumper cables to the booster vehicle (B) before turning or pushing the ignition switch and disengaging the steering lock.

2. Apply the parking brake.
3. Move the shift lever to the P (Park) position.
4. Switch off all unnecessary electrical systems (headlights, heater, air conditioner, etc.).
5. Place the ignition switch in the LOCK position.
6. Remove the vent caps, where fitted, on the battery.

7. Cover the battery with a firmly wrung out moist cloth to reduce the hazard of an explosion.
8. Connect the jumper cables in the sequence as illustrated (1, 2, 3, 4).

CAUTION

- Always connect positive (+) to positive(+) and negative (-) to body ground, NOT to the battery's negative (-).
 - Be sure that the jumper cables do not touch moving parts in the engine compartment.
 - Be sure that the jumper cable's clamps do not contact any other metal.
9. Start the engine of the booster vehicle (B) and let it run for a few minutes.
 10. Depress the accelerator pedal of the booster vehicle (B) at about 2,000 rpm.
 11. Start the engine of the jumped vehicle (A) in the normal manner.

CAUTION

- Never keep the starter motor engaged for more than 10 seconds. If the engine does not start right away, place the ignition switch OFF and wait at least 10 seconds before trying again.
12. After the engine is started, carefully disconnect the jumper cables in the opposite sequence from that illustrated (4, 3, 2, 1).
 13. Remove and dispose of the cloth as it may be contaminated with corrosive acid.

PUSH STARTING

14. Replace the vent caps, if removed.

NOTE

- For model 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 a qualified workshop.
- For model with Stop/Start System, it may take some time until Stop/Start System activates when the battery is replaced or the battery terminal is disconnected for extended periods and then reconnected. Also, in the first trip after jump starting, the Stop/Start System will not be activated.

Do not attempt to start the engine by pushing the vehicle.

CAUTION

- This model cannot be started by pushing. Attempting to do so may cause damage to the transmission.
- Three-way catalyst equipped model should not be started by pushing. Attempting to do so may cause damage to the three-way catalyst.
- Never try to start the engine by towing. When the engine starts, the forward surge could cause the vehicle to collide with the towing vehicle.
- Stop/Start System equipped model cannot be started by pushing the vehicle.

IF YOUR VEHICLE OVERHEATS

WARNING

- Never continue driving if your vehicle overheats. Doing so could cause a vehicle fire.
- Never open the bonnet if steam is coming out.
- Never remove the radiator cap or the engine coolant reservoir cap while the engine is hot. If the radiator or coolant reservoir cap is removed when the engine is hot, pressurised hot water will spurt out and possibly cause burning, scalding or serious injury.
- If steam or coolant is coming from the engine, stand clear of the vehicle to prevent getting scalded.
- The engine cooling fan can start at any time when the coolant temperature exceeds preset degrees.
- Be careful not to allow your hands, hair, jewellery or clothing to come into contact with, or to get caught in the cooling fan or drive belts.

If your vehicle is overheating (indicated by the high temperature indicator), or if you feel a lack of engine power, detect unusual noise, etc., take the following steps:

1. Safely move the vehicle off the road away from traffic.
2. Turn on the hazard warning flasher lights.
3. Apply the parking brake.
4. Move the shift lever to the P (Park) position.
DO NOT STOP THE ENGINE.
5. Open all the windows.

TOWING YOUR VEHICLE

6. Turn off the air conditioner. Move the temperature control to maximum hot and the fan control to high speed.
7. Get out of 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 engine bonnet.
10. Visually inspect if the cooling fan is running.
11. Visually inspect the radiator and radiator hoses for leakage.
If the cooling fan is not running or the coolant is leaking, stop the engine.
12. After the engine cools down, check the coolant level in the reservoir with the engine running. **Do not open the radiator cap.**
13. Add coolant to the reservoir if necessary.

Have your vehicle inspected/repaired at a NISSAN dealer or qualified workshop.

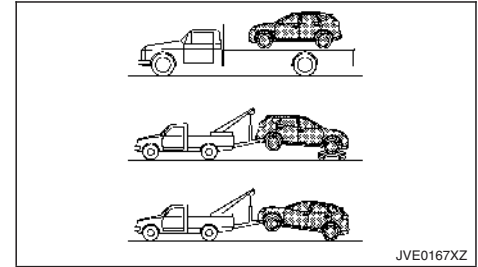
When towing your vehicle, local regulations for towing must be followed. Incorrect towing equipment could damage your vehicle. To assure proper towing and to prevent accidental damage to your vehicle, NISSAN recommends that you have professional road assistance personnel tow your vehicle. It is advisable to have the professional road assistant carefully read the following precautions.

TOWING PRECAUTIONS

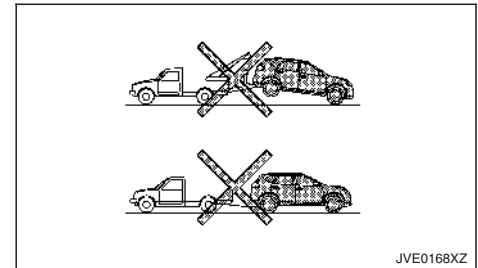
- Be sure that the transmission, steering system, and drivetrain are in working condition before towing. If any units are damaged, the vehicle must be towed using a dolly or flatbed tow truck.
- NISSAN recommends that your vehicle be towed with the driving (front) wheels off the ground.
- Always attach safety chains before towing.
- Never ride in a vehicle that is being towed.
- Never get under your vehicle after it has been lifted by a tow truck.

TOWING RECOMMENDED BY NISSAN

Towing Two-Wheel Drive (2WD) model



2WD model



2WD model

Front wheels on the ground:

NISSAN recommends that towing dollies be used under the front wheels when towing your vehicle or the vehicle be placed on a flatbed tow truck as illustrated.

CAUTION

Never tow with the front wheels on the ground. Doing so will cause serious and expensive damage to the drivetrain.

Rear wheels on the ground:

1. Place the ignition switch in the OFF position.
2. Move the shift lever to the N (Neutral) position.
3. Release the parking brake.
4. Attach safety chains whenever towing.

All four wheels on the ground:

NISSAN recommends that the vehicle be placed on a flatbed tow truck as illustrated.

CAUTION

Never tow with all four wheels on the ground. Doing so will cause serious and expensive damage to the drivetrain.

Freeing trapped vehicle

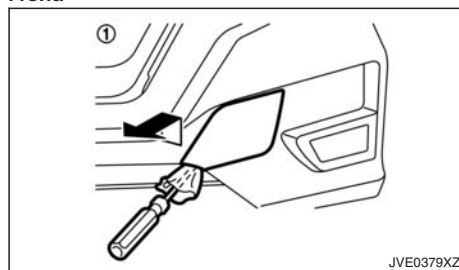
WARNING

- 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.

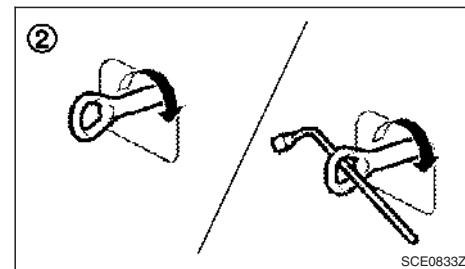
In the event that your vehicle's tyres become trapped in sand, snow, or mud, and the vehicle is unable to free itself without being pulled, use the recovery hooks.

- 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.
- 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:



Front

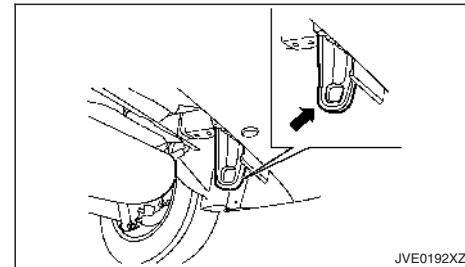


Front

- ① Remove the hook cover from the bumper with a suitable tool.
- ② Securely install the recovery hook as illustrated. (The hook is stored in the storage area under the luggage floorboards.)

Make sure that the recovery hook is properly secured in its storage area after use.

Rear:



The rear hook is designed as the recovery hook.

7 Appearance and care

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CLEANING EXTERIOR

In order to maintain the appearance of your vehicle, it is important to take proper care of it.

Whenever possible, park your vehicle inside a garage or in a covered area to 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, which may cause the paint surface damage from acid rain.
 - After driving on coastal roads, which may cause rusting from the sea breeze.
 - When contaminants such as soot, bird droppings, tree sap, metal particles or bugs get on the paint surface.
 - When dust or mud builds up on the paint surface.
1. Wash the vehicle surface with a wet sponge and plenty of water.
 2. Clean the vehicle surface gently and thoroughly using a mild soap, a special vehicle soap or a general purpose dishwashing liquid mixed with clean, lukewarm (never hot) water.

CAUTION

- **Do not wash the vehicle with strong household soap, strong chemical detergents, 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 dampened chamois to dry the paint surface and avoid leaving water spots.

When washing the vehicle, take care of the following:

- Inside flanges, joints and folds on the doors, back door, hatches 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.

REMOVING SPOTS

Remove tar and oil spots, industrial dust, insects, and tree sap as quickly as possible from the paint surface to avoid lasting damage or staining. Special cleaning products are available at a NISSAN dealer or any automotive accessory store.

WAXING

Regular waxing protects the paint surface and helps maintain a new vehicle appearance.

After waxing, polishing is recommended to remove built-up residue and to avoid a weathered appearance.

A NISSAN dealer can assist you in choosing the appropriate waxing products.

CAUTION

- **Wash your vehicle thoroughly and completely before applying wax to the paint surface.**
- **Always follow the manufacturer's instructions supplied with the wax.**
- **Do not use a wax containing any abrasives, cutting compounds or cleaners that may damage the vehicle finish.**

Machine compounding or aggressive polishing on a base coat/clear coat paint finish may dull the finish or leave swirl marks.

GLASS

Use glass cleaner to remove smoke and dust film from the glass surfaces. It is normal for glass to become coated with a film after the vehicle is parked in the hot sun. Glass cleaner and a soft cloth will easily remove this film.

UNDERBODY

In areas where road salt is used in the winter, it is necessary to clean the vehicle's underbody regularly in order to prevent dirt and salt from building up and causing the acceleration of corrosion on the underbody and suspension.

Before the winter and again in the spring, the underseal must be checked and, if necessary, re-treated.

WHEELS

- Wash the wheels when washing the vehicle to maintain their appearance.
- Clean the inner side of the wheels when the wheel is changed or the underside of the vehicle is washed.
- Do not use abrasive cleaners when washing the wheels.
- Inspect wheel rims regularly for dents or corrosion. This may cause loss of pressure or damage the tyre bead.
- NISSAN recommends that the road wheels be waxed to protect against road salt in areas where it is used during winter.

ALUMINIUM 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 below to avoid staining or discolouring the wheels:

- **Do not use a cleaner that uses strong acid or alkali contents to clean the wheels.**
- **Do not apply wheel cleaners to the wheels when they are hot. The wheel temperature should be the same as ambient temperature.**
- **Rinse the wheel to completely remove the cleaner within 15 minutes after the cleaner is applied.**

CHROME PARTS

Clean all chrome parts regularly with a nonabrasive chrome polish to maintain the finish.

Occasionally remove loose dust from the interior trim, plastic parts and seats using a vacuum cleaner or soft bristled brush. Wipe the vinyl and leather surfaces with a clean, soft cloth dampened in mild soap solution, then wipe clean with a dry, soft cloth.

Regular care and cleaning is required in order to maintain the appearance of the leather.

Before using any fabric protector, read the manufacturer's recommendations. Some fabric protectors contain chemicals that may stain or bleach the seat material.

Use a soft cloth dampened only with water to clean the meter and gauge lens covers.

CAUTION

- **Never use benzene, thinner or any similar material.**
- **Small dirt particles can be abrasive and damaging to leather surfaces and should be removed promptly. Do not use saddle soap, car waxes, polishes, oils, cleaning fluids, solvents, detergents or ammonia-based cleaners as they damage the leather natural finish.**
- **Never use fabric protectors unless recommended by the manufacturer.**
- **Do not use glass or plastic cleaner on meter or gauge lens covers. It may damage the lens covers.**

AIR FRESHENERS

Most air fresheners use a solvent that could affect the vehicle interior. If you use an air freshener, take the following precautions:

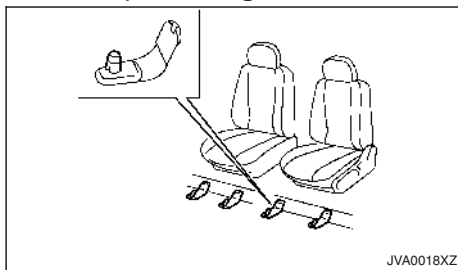
- Hanging-type air fresheners can cause permanent discoloration when they contact vehicle interior surfaces. Place the air freshener in a location that allows it to hang free and not contact an interior surface.
- Liquid-type air fresheners typically clip on the vents. These products can cause immediate damage and discoloration when spilled on interior surfaces.

Carefully read and follow the manufacturer's instructions before using air fresheners.

FLOOR MATS

The use of genuine NISSAN floor mats (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



This vehicle includes front floor mat brackets to act as a floor mat positioning aid. NISSAN floor mats have been specially designed for your vehicle model.

Position the mat by placing the floor mat bracket hook through the floor mat grommet hole while centring the mat in the foot area.

Periodically check that the mats are properly positioned.

GLASS

Use glass cleaner to remove smoke and dust film from the glass surfaces. It is normal for glass to become coated with a film after the vehicle is parked in the hot sun. Glass cleaner and a soft cloth will easily remove this film.

CAUTION

When cleaning the inside of the windows, do not use sharp-edged tools, abrasive cleaners or chlorine-based disinfectant cleaners. They could damage the electrical conductors, such as rear window defogger elements.

SEAT BELTS

WARNING

- **Do not allow wet seat belts to roll up in the retractor.**
- **Never use bleach, dye or chemical solvents to clean the seat belts, since these materials may severely weaken the seat belt webbing.**

The seat belts can be cleaned by wiping them with a sponge dampened in a mild soap solution.

Allow the belts to dry completely in the shade before using them. (See "Seat belts" in the "1. Safety — seats, seat belts and supplemental restraint system" section.)

CORROSION PROTECTION

MOST COMMON FACTORS CONTRIBUTING TO VEHICLE CORROSION

- The accumulation of moisture-retaining dirt and debris in body panel sections, cavities, and other areas.
- Damage to the paint surface and other protective coatings caused by gravel and stone chips or minor traffic accidents.

ENVIRONMENTAL FACTORS INFLUENCE RATE OF CORROSION

Moisture

The accumulation of sand, dirt and water on the inside floor of the vehicle can accelerate corrosion. Wet floor carpet/floor mats will not dry completely inside the vehicle. They should be removed and completely dried to avoid floor panel corrosion.

Relative humidity

Corrosion will be accelerated in areas of high relative humidity.

Temperature

High temperatures accelerate the rate of corrosion to those parts which are not well ventilated.

Corrosion will also be accelerated in areas where the temperatures stay above freezing.

Air pollution

Industrial pollution, the presence of salt in the air in coastal areas, or heavy road salt use accelerates the corrosion process. Road salt also accelerates the disintegration of paint surfaces.

TO PROTECT YOUR VEHICLE FROM CORROSION

- Wash and wax your vehicle often to keep the vehicle clean.
- Always check for minor damage to the paint surface and if any exists, repair it as soon as possible.
- Keep the drain holes in the lower edge of the doors open to avoid water accumulation.
- Check the vehicle underbody for accumulation of sand, dirt or salt. If present, wash with water as soon as possible.

CAUTION

- **Never remove dirt, sand or other debris from the passenger compartment by washing it out with a hose. Remove dirt with a vacuum cleaner.**
- **Never allow water or other liquids to come in contact with electronic components inside the vehicle as this may damage them.**

Chemicals used for road surface deicing are extremely corrosive. They accelerate corrosion and deterioration of underbody components such as the exhaust system, fuel and brake lines, brake cables, floor pan and fenders.

In the winter, the underbody must be cleaned periodically.

For additional protection against rust and corrosion, which may be required in some areas, consult a NISSAN dealer or qualified workshop.

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8 Maintenance and do-it-yourself

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MAINTENANCE REQUIREMENTS

Some day-to-day and regular maintenance is essential to maintain your vehicle's good mechanical condition, as well as its emission and engine performance.

It is the owner's responsibility to make sure that the specified maintenance, as well as general maintenance, is performed.

As the vehicle owner, you are the only one who can ensure that your vehicle receives the proper maintenance care.

SCHEDULED MAINTENANCE

For your convenience, the required scheduled maintenance items are described and listed in a separate Warranty Information and Maintenance booklet. You must refer to that booklet to ensure that necessary maintenance is performed on your vehicle at regular intervals.

GENERAL MAINTENANCE

General maintenance includes those items which should be checked during normal day-to-day operation of the vehicle. They are essential if your vehicle is to continue to operate properly. It is your responsibility to perform these procedures regularly as prescribed.

Performing general maintenance checks requires minimal mechanical skill and only a few general automotive tools.

These checks and inspections can be done by yourself, a qualified technician, or if you prefer, a NISSAN dealer or qualified workshop.

WHERE TO GO FOR SERVICE

If maintenance service is required or your vehicle appears to malfunction, have the systems checked and tuned by an authorised NISSAN dealer or qualified workshop.

GENERAL MAINTENANCE

During normal day-to-day operation of the vehicle, general maintenance should be performed regularly as prescribed in this section. If you detect any unusual sounds, vibrations or smells, be sure to check for the cause or have a NISSAN dealer or qualified workshop do it promptly. In addition, you should notify a NISSAN dealer or qualified workshop if you think that repairs are required.

When performing any checks or maintenance work, closely observe "Maintenance precautions" later in this section.

EXPLANATION OF GENERAL MAINTENANCE ITEMS

Additional information on the following items with * is found later in this section.

Outside the vehicle

The maintenance items listed here should be performed from time to time, unless otherwise specified.

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, brake lights, tail lights, turn signal lights, and other lights are all operating properly and installed securely. Also check the aim of the headlights.

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 case of the Two-Wheel Drive (2WD), and front and rear tyres are the same size: 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 different size from rear tyres: tyres cannot be rotated.

The timing for tyre rotation may vary according to your driving habits and the road surface conditions.

Tyre Pressure Monitoring System (TPMS) transmitter components (where fitted):

Replace the TPMS sensor valve stem (including valve core and cap) when the tyres are replaced due to wear or age.

Wheel alignment and balance:

If the vehicle should pull to either side while driving on a straight and level road, or if you detect uneven or abnormal 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 lever (where fitted) or the pedal (where fitted) has the proper travel. Also make sure that the vehicle is held securely on a fairly steep hill when only the parking brake is applied.

Seat belts:

Check that all parts of the seat belt system (for example, buckles, anchors, adjusters and retractors) operate properly and smoothly, and are installed securely. Check the belt webbing for cuts, fraying, wear or damage.

Steering wheel:

Check for changes in the steering condition, such as excessive play, hard steering or strange noises.

Warning lights and chimes:

Make sure that all warning lights and chimes are operating properly.

Windscreen defogger:

Check that the air comes out of the defogger outlets properly and in good quantity 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 bonnet and vehicle

The maintenance items listed here should be checked periodically (for example, each time you check the engine oil or refuel).

Battery (except for maintenance free batteries)*:

Check the fluid level in each cell. It should be between the <UPPER> and <LOWER> lines. Vehicles operated in high temperatures or under severe conditions require frequent checks of the battery fluid level.

Brake fluid level*:

Make sure that the brake fluid level is between the <MAX> and <MIN> lines on the reservoir.

Engine coolant level*:

Check the coolant level when the engine is cold. Make sure that the coolant level is between the <MAX> and <MIN> lines on the reservoir.

Engine drive belt(s)*:

Make sure that drive belt(s) is/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 fuel fumes are evident, check for cause and have it corrected immediately.

Window washer fluid*:

Check that there is adequate fluid in the reservoir.

MAINTENANCE PRECAUTIONS

When performing any inspection or maintenance work on your vehicle, always take care to prevent serious accidental injury to yourself or damage to the vehicle. The following are general precautions which should be closely observed.

WARNING

- **Park the vehicle on a level surface, apply the parking brake securely and block the wheels to prevent the vehicle from moving. Move the shift lever to the P (Park) position.**
- **Be sure the ignition switch is in the OFF or LOCK position when performing any parts replacement or repairs.**
- **Do not work under the 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 secure or remove any loose clothing 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 to escape.**
- **Never get under the vehicle while it is supported by a jack.**
- **Keep smoking materials, flame and sparks away from fuel and the battery.**

- **Never connect or disconnect either the battery or any transistorised component connector while the ignition switch is in the ON position.**
- **On petrol engine models with the Multipoint Fuel Injection (MFI) system, the fuel filter and 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 turned off.**
- **Your vehicle is equipped with an automatic engine cooling fan. It may come on at any time without warning, even if the ignition switch is in the OFF position and the engine is not running. To avoid injury, always disconnect the negative battery cable before working near the fan.**
- **Always wear eye protection whenever you work on your vehicle.**
- **Never leave the engine or transmission related component harness connector disconnected while the ignition switch is in the ON position.**



NISSAN Blue Citizenship

Avoid direct contact with used engine oil and coolant. Improperly disposed engine oil, engine coolant, and/or other vehicle fluids can hurt the environment. Always conform to local regulations for disposal of vehicle fluids.

This "8. Maintenance and do-it-yourself" section provides instructions regarding only those items which are relatively easy for an owner to perform.

ENGINE COMPARTMENT CHECK LOCATIONS

You should be aware that incomplete or improper servicing may result in operating difficulties or excessive emissions, and could affect your warranty coverage. **If in doubt about any servicing, have it done by a NISSAN dealer or qualified workshop.**

For an overview of the engine compartment, see “Engine compartment” in the “O. Illustrated table of contents” section.

ENGINE COOLING SYSTEM

WARNING

- **Never remove the radiator cap or the engine coolant reservoir cap when the engine is hot. Serious burns could be caused by high-pressure fluid escaping from the radiator. Wait until the engine and radiator cool down.**
- **Engine coolant is poisonous and should be stored carefully in marked containers out of the reach of children.**
- **If the engine is stopped when the engine is hot, the cooling fan may operate for approximately 10 minutes after the engine has stopped to cool the components in the engine compartment. When the cooling fan is operating, be sure that hands or other items do not get caught in it.**

The engine cooling system is filled at the factory with a high-quality, year-round, anti-freeze coolant solution. The anti-freeze solution contains rust and corrosion inhibitors, therefore additional cooling system additives are not necessary.

CAUTION

- **Never use any cooling system additives such as radiator sealer. Additives may clog the cooling system and cause damage to the engine, transmission and/or cooling system.**
- **When adding or replacing coolant, be sure to use only Genuine NISSAN Engine Coolant or equivalent in its quality with the proper mixture ratio.**

FOR PETROL ENGINE MODEL

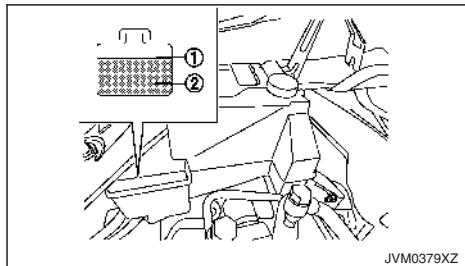
Outside temperature down to		Engine coolant (concentrated)	Demineralsised or distilled water
°C	°F		
-15	5	30%	70%
-35	-30	50%	50%

Use Genuine NISSAN Engine Coolant or equivalent in its quality. Genuine NISSAN Engine Coolant is a pre-mixed (mixture ratio 50%) type coolant.

The use of other types of coolant solutions may damage the engine cooling system.

The radiator is equipped with a pressure cap. To prevent engine damage, use only a Genuine NISSAN radiator cap or its equivalent when replacement is required.

CHECKING ENGINE COOLANT LEVEL



Check the coolant level in the reservoir tank when the engine is cold. If the coolant level is below the MIN level ②, add coolant up to the MAX level ①. If

the reservoir tank is empty, check the coolant level in the radiator **when the engine is cold**. If there is insufficient coolant in the radiator, fill the radiator with coolant up to the filler opening and also add it to the reservoir tank up to the MAX level ①.

If the cooling system frequently requires coolant, have it checked by a NISSAN dealer or qualified workshop.

CHANGING ENGINE COOLANT

Contact a NISSAN dealer or qualified workshop if replacement is required.

Major engine cooling system repair should be performed by a NISSAN dealer or qualified workshop. The service procedures can be found in the appropriate NISSAN Service Manual.

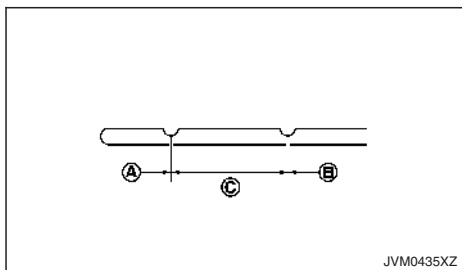
Improper servicing can result in reduced heater performance and engine overheating.

WARNING

- To avoid being scalded, never change the coolant when the engine is hot.
- Never remove the radiator cap or the engine coolant reservoir cap when the engine is hot. Serious burns could be caused by high pressure fluid escaping from the radiator.
- Avoid direct skin contact with used coolant. If skin contact is made, wash thoroughly with soap or hand cleaner as soon as possible.
- Keep coolant out of the reach of children and pets.

Engine coolant must be disposed of properly. Check your local regulations.

CHECKING ENGINE OIL LEVEL



1. Park the vehicle on a level surface and apply the parking brake.
2. Start the engine and warm it up until the engine temperature reaches the normal operating temperature (approximately 5 minutes).
3. Stop the engine.
4. Wait at least 15 minutes for the engine oil to drain back to the oil pan.
5. Remove the dipstick and wipe it clean.
6. Reinsert the dipstick all the way.
7. Remove the dipstick and check the oil level. It should be within the range (C).
8. If the oil level is below (A), remove the oil filler cap and pour the recommended oil into the opening. Do not overfill (B).

When filling the engine oil, do not remove the dipstick.

9. Recheck the oil level with the dipstick.

It is normal to add some 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.

CAUTION

The oil level should be checked regularly. Operating your vehicle with an insufficient amount of oil can damage the engine, and such damage is not covered by the warranty.

CHANGING ENGINE OIL AND OIL FILTER

WARNING

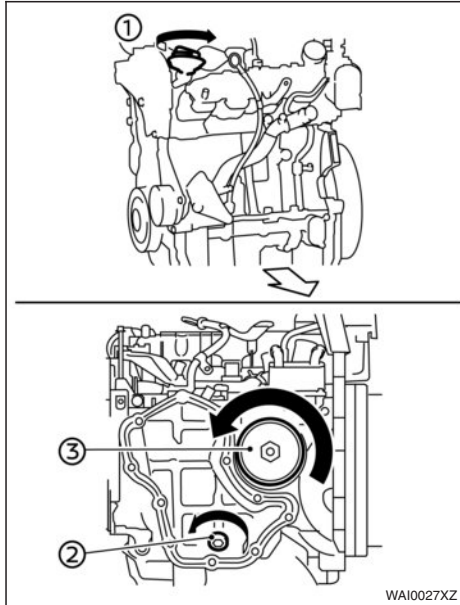
- **Used oil must be disposed of properly. Never pour or dump oil into the ground, canals, rivers, etc. It should be disposed of at proper waste facilities. NISSAN recommends having your oil changed by a NISSAN dealer or qualified workshop.**
- **Be careful not to burn yourself, as the engine oil may be hot.**
- **Prolonged and repeated contact with used engine oil may cause skin cancer.**

- **Avoid direct skin contact with used oil. If contacted, wash thoroughly with soap or hand cleaner and plenty of water as soon as possible.**
- **Store used engine oil in marked containers out of the reach of children.**

Vehicle set-up

1. Park the vehicle on a level surface and apply the parking brake.
2. Start the engine and warm it up until the engine temperature reaches the normal operating temperature (approximately 5 minutes).
3. Stop the engine.
4. Wait at least 15 minutes for the engine oil to drain back to the oil pan.
5. Raise and support the vehicle using a suitable floor jack and safety jack stands.
 - Place the safety jack stands under the vehicle jack-up points.
 - A suitable adapter should be attached to the jack stand saddle.
6. Remove the plastic engine undercover (where fitted).
 - Remove the plastic clips from the undercover.

Engine oil and filter



- ① Oil filler cap
- ② Oil drain plug
- ③ Oil filter

1. Place a large drain pan under the drain plug.
2. Remove the drain plug with a wrench.

3. Remove the oil filler cap and completely drain the oil.

If the oil filter is to be changed, remove and replace it at this time.

CAUTION

Waste oil must be disposed of properly. Check your local regulations.

4. Loosen the oil filter with an oil filter wrench.
5. Remove the oil filter by turning it by hand.
6. Wipe the engine oil filter mounting surface with a clean cloth.

Be sure to remove any old gasket remaining on the mounting surface.

7. Apply new engine oil to the gasket of the new oil filter.
8. Screw in the oil filter until a slight resistance is felt and then tighten an additional 2/3 of a turn to secure the filter.

Oil filter tightening torque:

15 to 20 N·m

(1.5 to 2.0 kg·m, 11 to 15 ft·lb)

9. Clean and reinstall the drain plug and new washer. Securely tighten the drain plug with a wrench. Do not use excessive force.

Drain plug tightening torque:

29 to 39 N·m

(3.0 to 4.0 kg·m, 22 to 29 ft·lb)

10. Refill the recommended engine oil and quantity. (See "Recommended Fluids/lubricants and capacities" in the "9. Technical information" section.)

When filling the engine oil, do not remove the dipstick.

11. Securely install the oil filler cap.
12. Start the engine.
13. Check the drain plug for any sign of leakage.
14. Dispose of the used oil in the proper manner. Check your local regulations.
15. Check the engine oil level according to the proper procedure. (See "Checking engine oil level" earlier in this section.)

After operation

1. Lower the vehicle carefully to the ground.
2. Dispose of waste oil and filter properly.

PROTECT ENVIRONMENT

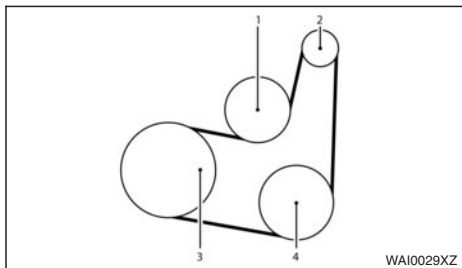


NISSAN Blue Citizenship

It is illegal to pollute drains, watercourses and soil. Use authorised waste collection facilities, including civil amenity sites and garages providing facilities for disposal of used oil and used oil filters. If in doubt, contact your local authority for advice on disposal.

The regulations concerning the pollution of the environment will vary from country to country.

DRIVE BELT



1. Water pump
2. Alternator
3. Crankshaft pulley
4. Air conditioner compressor

Be sure the ignition switch is in the OFF position.

Visually inspect the belt for signs of unusual wear, cuts, fraying or looseness. Check regularly for condition. If the belt is in poor condition or loose, have it replaced or adjusted by a NISSAN dealer or qualified workshop.

SPARK PLUGS (petrol engine models)

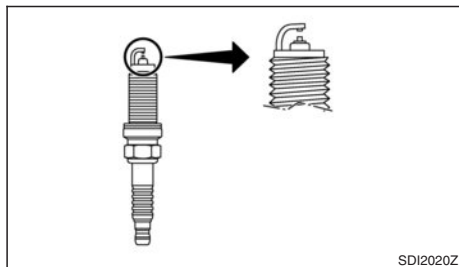
WARNING

Be sure the engine and ignition switch are off and that the parking brake is applied.

Replace the spark plugs according to the maintenance log shown in a separate maintenance booklet.

If replacement is required, contact a NISSAN dealer or qualified workshop.

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.

PLATINUM TIPPED SPARK PLUGS (where fitted)

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

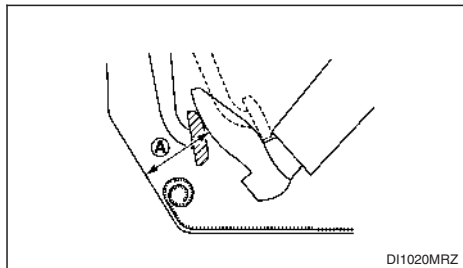
- Do not reuse the platinum-tipped spark plugs by cleaning or re-gapping.
- Always replace with the recommended platinum-tipped spark plugs.

BRAKES

CHECKING PARKING BRAKE

Periodically check the holding ability of the parking brake by parking on a steep hill and restraining the vehicle by using only the parking brake. If it does not hold satisfactorily, see a NISSAN dealer or qualified workshop.

CHECKING FOOTBRAKE PEDAL



WARNING

See a NISSAN dealer or qualified workshop for a brake system check if the footbrake pedal height does not return to normal.

With the engine running, check the distance between the upper surface of the pedal and the metal floor. If it is out the range listed, see a NISSAN dealer or qualified workshop.

Depressing force

490 N (50 kg, 110 lb)

LHD model

RHD model

Ⓐ: 75 mm (3.0 in) or more

Ⓐ: 85 mm (3.3 in) or more

Self-adjusting brakes

Your vehicle is equipped with self-adjusting brakes. The disc-type brakes self-adjust every time the footbrake pedal is applied.

Brake pad wear warning

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

Under some driving or climate conditions, occasional brake squeaks, squeals or other noises may be heard. Occasional brake noise during light to moderate stops is normal and does not affect the function or performance of the brake system.

Proper brake inspection intervals should be followed. For additional information, see a separate maintenance booklet.

BRAKE BOOSTER

Check the brake booster function as follows:

1. With the engine off, depress and release the footbrake pedal several times. When the brake pedal movement (distance of travel) remains the same from one pedal application to the next, continue on to the next step.
2. While depressing the footbrake pedal, start the engine. The pedal height should drop a little.

3. With the footbrake 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 footbrake pedal, then turn it off. Depress the footbrake 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.

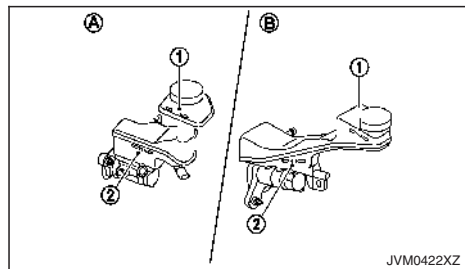
BRAKE FLUID

WARNING

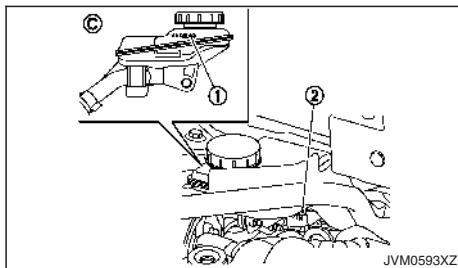
- Use only new fluid from a sealed container. Old, inferior, or contaminated fluid may damage the brake system. The use of improper fluids can damage the brake system and affect the vehicle's stopping ability.
- Clean the filler cap before removing.
- Brake fluid is poisonous and should be stored carefully 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.



Type A



Type B

- Ⓐ LHD models
- Ⓑ RHD models (Type A)
- Ⓒ RHD models (Type B)

Check the fluid level in the reservoir. If the fluid is below the MIN line ②, the brake warning light will illuminate. Add fluid up to the MAX line ①. (See "Recommended Fluids/Lubricants and capacities" in the "9. Technical information" section for recommended types of fluid.)

If the fluid must be added frequently, the system should be thoroughly checked by a NISSAN dealer or qualified workshop.

DUAL CLUTCH TRANSMISSION (DCT) TRANSMISSION FLUID

When checking or replacement is required, NISSAN recommends contacting a NISSAN dealer or qualified workshop for servicing.

CAUTION

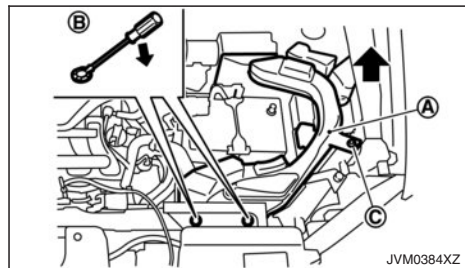
- Use only Genuine NISSAN DCT fluid. Do not mix with other fluids.
- Using transmission fluid other than Genuine NISSAN DCT fluid will damage the DCT, which is not covered by the warranty.

AIR DUCT REMOVAL

NOTE

Some maintenance procedures require the removal of the air duct.

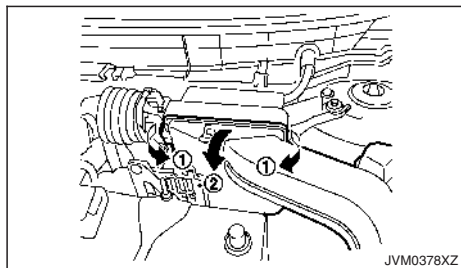
Be sure the ignition switch is in the "OFF" or LOCK position before working in the engine compartment.



- 1) Remove the clips **B** with a suitable tool.
- 2) Remove the bolt **C** with a suitable tool.
- 3) Pull the air duct upward and then sideways if necessary.

Install the air duct in the reverse order of removal.

AIR CLEANER FILTER



WARNING

Operating the engine with the air cleaner filter off can cause you or others to be burned. The air cleaner filter not only cleans the intake air, it also stops flame if the engine backfires. If the air cleaner filter is not installed and the engine backfires, you could be burned. Never drive with the air cleaner filter off. Be cautious working on the engine when the air cleaner filter is off.

To remove the filter, unlatch the retaining clips **1**, and pull the cover **2** upward.

The viscous paper type filter element should not be cleaned and reused. The dry paper type filter element may be cleaned and reused. Replace the air filter according to the maintenance log shown in a separate maintenance booklet.

When replacing the air filter, wipe the inside of the air cleaner housing and the cover with a damp cloth.

WIPER BLADES

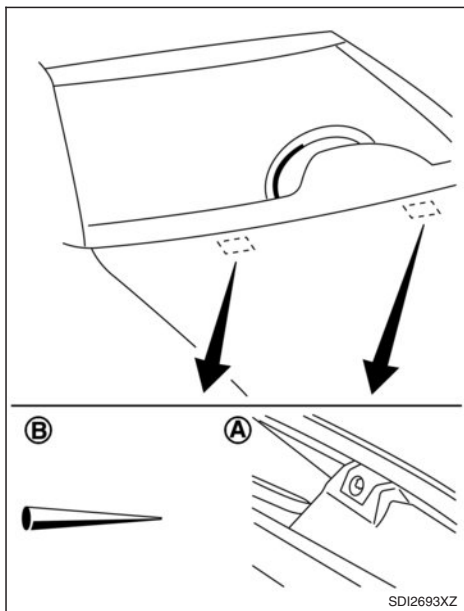
WINDSCREEN WIPER BLADES

Cleaning

If the windscreen does not become clear after using the windscreen washer or if the wiper blades chatter when operating the windscreen wipers, wax or other materials may be on the windscreen and/or wiper blades.

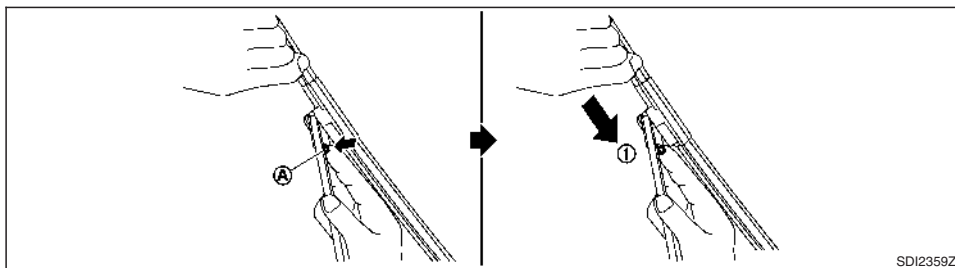
Clean the outside of the windscreen surface with a washer solution or mild detergent. Your windscreen is clean if beads do not form when rinsing with water.

Clean the blade by wiping it with a cloth soaked in a washer solution or a mild detergent. Rinse the blade with water. If your windscreen is still not clear after cleaning the blades and using the wipers, replace the blades.



Be careful not to clog the washer nozzle (A). This may cause improper windscreen washer operation. If the nozzle is clogged, remove any objects with a needle or small pin (B). Be careful not to damage the nozzle.

SDI2693XZ



Replacing

Replace the wiper blades if they are worn.

Before replacing the wiper blades, the wiper should be in the fully up position to avoid scratching the engine bonnet or damaging the wiper arm. To pull up the wiper arm, see "Wiper and washer switch" in the "2. Instruments and controls" section.

1. Lift the wiper arm away from the windscreen.
2. Push and hold the release tab (A), and then move the wiper blade down the wiper arm to remove ①.
3. Remove the wiper blade.
4. Insert the new wiper blade onto the wiper arm until it clicks into place.

- Worn wiper blades can damage the windscreen and impair driver vision.

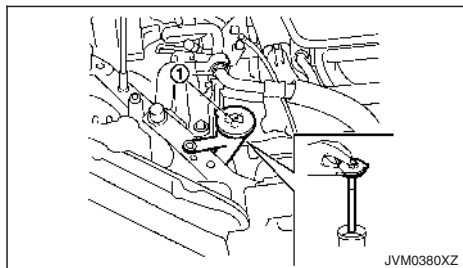
REAR WINDOW WIPER BLADE

Contact a NISSAN dealer or qualified workshop if checking or replacement is required.

CAUTION

- After wiper blade replacement, return the wiper arm to its original position. Otherwise the wiper arm or the engine bonnet may be scratched and may cause damage when the engine bonnet is opened.

WINDOW WASHER FLUID



- Always use window washer fluid recommended by NISSAN.

WARNING

Anti-freeze is poisonous and should be stored carefully in marked containers out of the reach of children.

Fill the window washer fluid reservoir periodically. Add window washer fluid when the low washer fluid warning appears in the vehicle information display.

To check the fluid level, use your finger to plug the centre hole ① of the cap/tube assembly, then remove it from the reservoir.








If there is no fluid in the tube, add fluid.

Add a washer solvent to the water for better cleaning. In the winter season, add a windscreen 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.

BATTERY

Caution symbols for battery		 WARNING	
①		No smoking No exposed flames No sparks	Never smoke around the battery. Never expose the battery to open flames or electrical sparks.
②		Shield eyes	Handle the battery cautiously. Always wear eye protection glasses to protect against explosion or battery acid.
③		Keep away from children	Never allow children to handle the battery. Keep the battery out of reach of children.
④		Battery acid	Do not allow battery fluid to contact your skin, eyes, fabrics, or painted surfaces. After handling the battery or battery cap, immediately wash your hands thoroughly. If the battery fluid gets into your eyes, or onto your skin or clothing, flush with water immediately for at least 15 minutes and seek medical attention. Battery fluid is acid. If the battery fluid gets into your eyes or onto your skin, it could cause loss of your eyesight or burns.
⑤		Note operating instructions	Before handling the battery, read this instruction carefully to ensure correct and safe handling.
⑥		Explosive gas	Hydrogen gas, generated by battery fluid, is explosive.

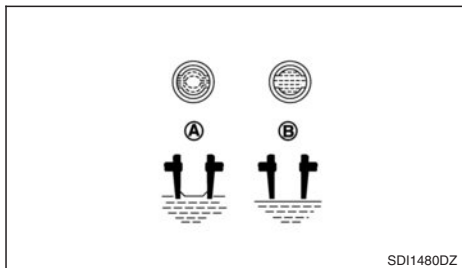
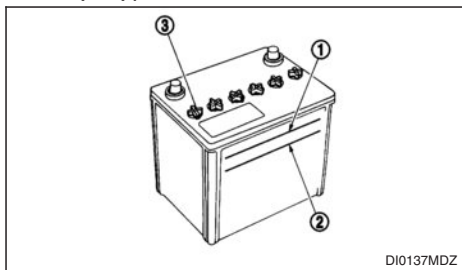
VEHICLE BATTERY

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.

- Vehicles operated in high temperatures or under severe conditions require frequent checks of the battery fluid level.
- Keep the battery surface clean and dry. Clean the battery with a solution of baking soda and water.
- Make certain the terminal connections are clean and securely tightened.
- If the vehicle is not to be used for more than 30 days, disconnect the negative (-) battery terminal cable to prevent battery discharge.
- If battery replacement or check is required, contact a NISSAN dealer or qualified workshop.

Battery (Type A)



Checking the fluid level:

Check the fluid level in each cell. The battery fluid level should be between the UPPER LEVEL ① and LOWER LEVEL ② lines.

If it is necessary to add fluid, add only demineralised/distilled water to bring the level to the indicator in each filler opening. Do not overfill.

1. Remove the cell plugs ③ (where fitted) using a suitable tool.
2. Add demineralised/distilled water up to the UPPER LEVEL ① line.

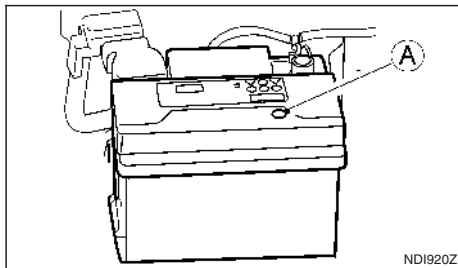
If the side of the battery is not clear, check the distilled water level by looking directly above the cell; the condition (A) indicates OK and the condition (B) needs more to be added.

3. Replace and tighten the cell plugs.

CAUTION

Do not overfill battery cells. Excessive electrolyte may leak out of the battery during charging, and cause paint damage.

Maintenance free battery (Type B)



For a maintenance free battery it is not required to check the fluid level. However, NISSAN recommends to visually check the green indicator (A) status periodically. If it is not visible, replace the battery as soon as possible.

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 or the battery does not charge, the battery may have to be replaced. Contact a NISSAN dealer or qualified workshop for replacing the battery.

INTEGRATED KEY FOB BATTERY

Battery replacement

WARNING

Do not ingest the battery, Chemical Burn Hazard

This product contains a coin button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.

Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children.

If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

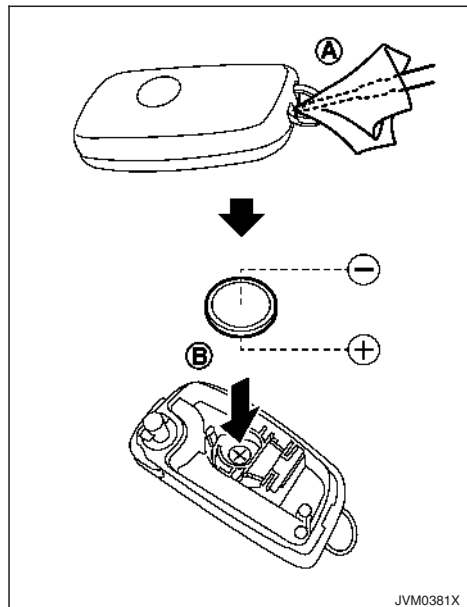
CAUTION

- **Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.**
- **Do not expose to excessive heat such as sunshine, fire or the like.**
- **Do not try to crush or cut the battery.**

- Do not expose to extremely low air pressure at high altitude.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



To replace the battery:

1. Insert a small screwdriver into the slit (A) to open the lid. Use a cloth to protect the casing.
2. Replace the battery with a new one.

Recommended battery: CR2032 or equivalent

- Do not touch the internal circuit and electric terminals as doing so could cause a malfunction.
 - Make sure that the ⊕ side faces the bottom of the case (B).
3. Close the lid securely.
 4. 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

WARNING

Do not ingest the battery, Chemical Burn Hazard

This product contains a coin button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.

Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children.

If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

CAUTION

- Danger of explosion if battery is incorrectly re-placed. Replace only with the same or equivalent type.
- Do not expose to excessive heat such as sunshine, fire or the like.
- Do not try to crush or cut the battery.
- Do not expose to extremely low air pressure at high altitude.



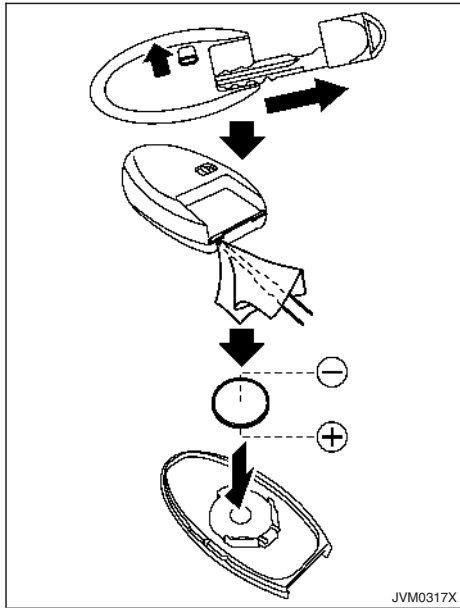
This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

VARIABLE VOLTAGE CONTROL SYSTEM (where fitted)

The variable voltage control system measures the amount of electrical discharge from the battery and controls voltage generated by the alternator.

CAUTION

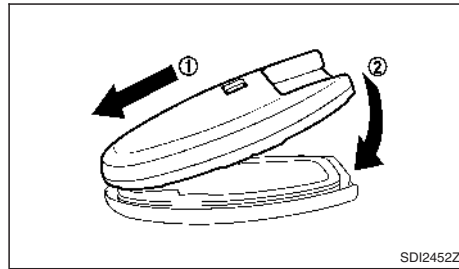
- Do not ground accessories directly to the battery terminal. Doing so will bypass the variable voltage control system and the vehicle battery may not charge completely.
- Use electrical accessories with the engine running to avoid discharging the vehicle battery.



JVM0317X

3. Replace the battery with a new one.

- Recommended battery: CR2032 or equivalent
- Do not touch the internal circuit and electric terminals as doing so could cause a malfunction.
- Make sure that the ⊕ side faces the bottom of the case.



SDI2452Z

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.

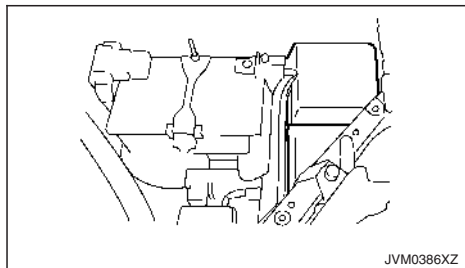
See a NISSAN dealer or qualified workshop if you need assistance for replacement.

To replace the battery:

1. Release the lock knob at the back of the key and remove the mechanical key. (See "Mechanical key" in the "3. Pre-driving checks and adjustments" section.)
2. Insert a flat-blade screwdriver wrapped with a cloth into the slit of the corner and twist it to separate the upper part from the lower part.

FUSES

ENGINE COMPARTMENT

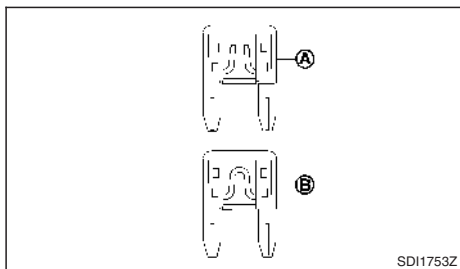


CAUTION

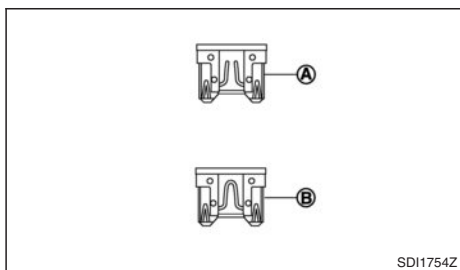
Never use a fuse of a higher or lower amperage rating than that specified on the fuse box cover. This could damage the electrical system or cause a fire.

If any electrical equipment does not operate, check for an open fuse.

1. Be sure the ignition switch is in the OFF position.
2. Be sure the headlight switch is in the OFF position.
3. Open the engine bonnet.
4. Remove the air cleaner duct. (See "Engine compartment check locations" in the "8. Maintenance and do-it-yourself" section.)
5. Remove the fuse/fusible link box cover by using a suitable tool and pushing the tab.
6. Locate the fuse that needs to be replaced.



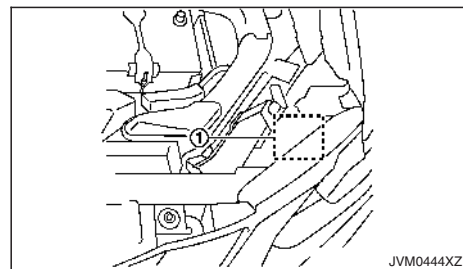
Type A



Type B

7. Remove the fuse using the fuse puller located in the passenger compartment.
8. If the fuse is open (A), replace it with a new fuse (B).

If the new fuse also opens, after installing, have the electrical system checked, and if necessary repaired, by a NISSAN dealer or qualified workshop.



The holder ① also contains the fuses. 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.

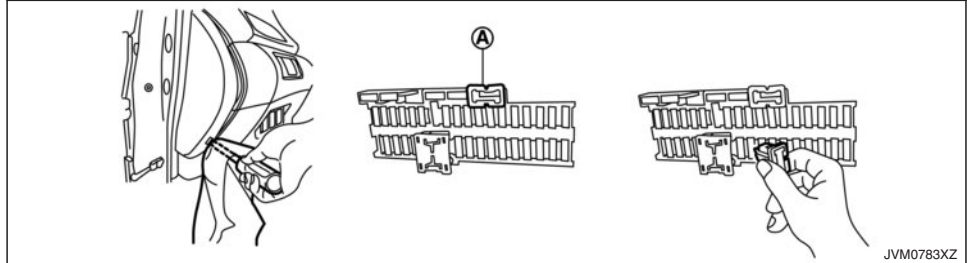
PASSENGER COMPARTMENT

CAUTION

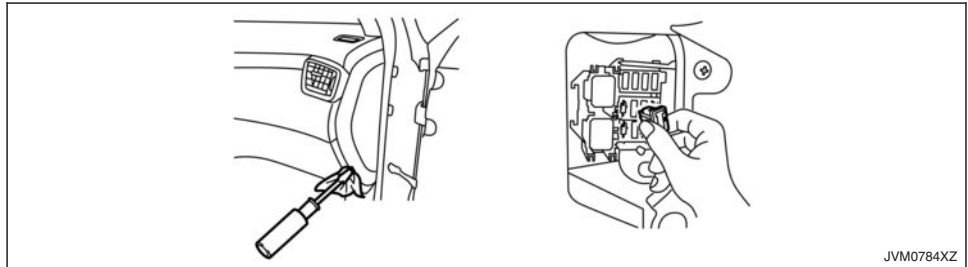
Never use a fuse of a higher or lower amperage rating than that specified on the fuse box cover. This could damage the electrical system or cause a fire.

If any electrical equipment does not operate, check for an open fuse.

Outer side of the instrument panel

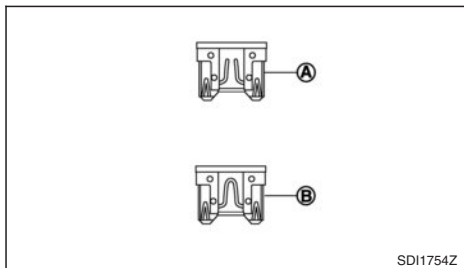


For all LHD models



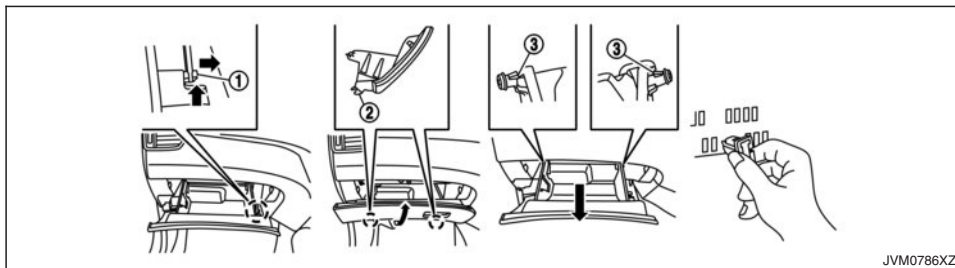
For Stop/Start System (where fitted)

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.
4. Locate the fuse that needs to be replaced.
5. Remove the fuse using the fuse puller (A).



6. If the fuse is open (A), replace it with a new fuse (B).

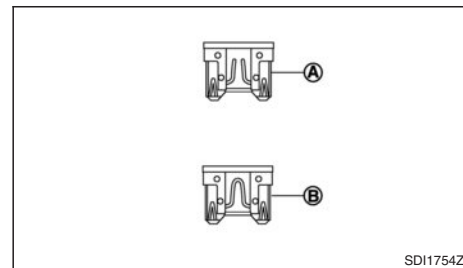
If the new fuse also opens, after installing, have the electrical system checked, and if necessary repaired, by a NISSAN dealer or qualified workshop.



For all RHD models

Glove box

1. Be sure the ignition switch is in the OFF position.
2. Be sure the headlight switch is in the OFF position.
3. Open the glove box and unlock the damper ①.
4. Hold the glove box lid so that the distance between the upper end of the lid and the dashboard is about 5 cm (2 in), and then pull off the hinges ② located on the underside of the lid.
5. Unlock the left and right stoppers ③ and remove the glove box lid.
6. Locate the fuse that needs to be replaced.
7. Remove the fuse using the fuse puller.

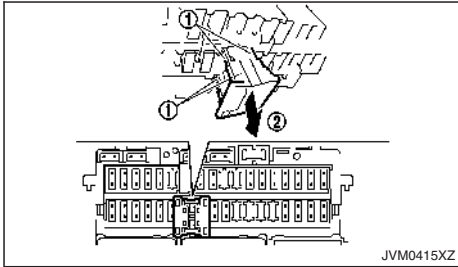


8. If the fuse is open (A), replace it with a new fuse (B).

If the new fuse also opens, after installing, have the electrical system checked, and if necessary repaired, by a NISSAN dealer or qualified workshop.

LIGHTS

Extended storage fuse switch



Example

To reduce battery drain, the extended storage fuse switch comes from the factory switched off. Prior to delivery of your vehicle, the switch is pushed in (switched on) and should always remain on.

If the extended storage fuse switch is not pushed in (switched on), the [Shipping Mode On Push Storage Fuse] warning may appear in the vehicle information display. See "Vehicle information display warnings and indicators" in the "2. Instruments and controls" section.

If any electrical equipment does not operate, remove the extended storage fuse switch and push it in again.

NOTE

If the extended storage fuse switch malfunctions, see a NISSAN dealer or qualified workshop.

How to remove the extended storage fuse switch:

1. To remove the extended storage fuse switch, be sure the ignition switch is in the OFF or LOCK position.
2. Be sure the headlight switch is in the OFF position.
3. Remove the fuse box cover.
4. Pinch the locking tabs ① found on each side of the extended storage fuse switch.
5. Pull the extended storage fuse switch straight out from the fuse box ②.

HEADLIGHTS

LED headlight bulb

If replacement is required, contact a NISSAN dealer or qualified workshop.

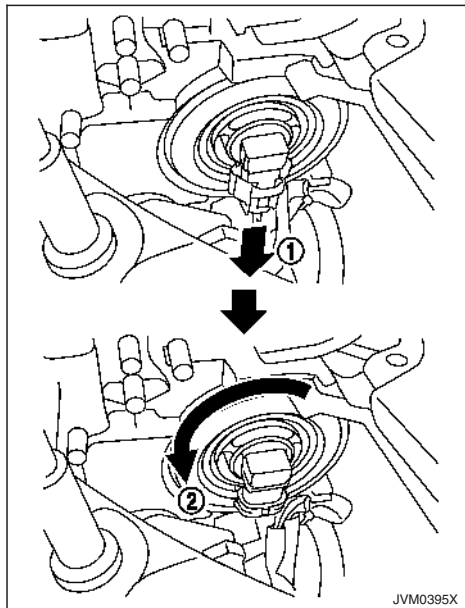
Halogen headlight bulb

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.

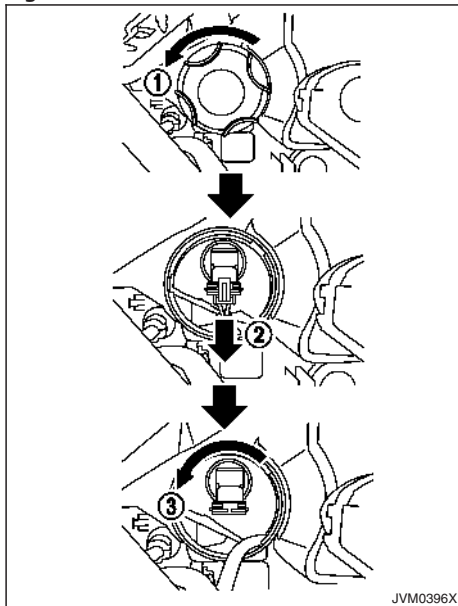
Low-beam:



1. Disconnect the battery negative cable.
2. Disconnect the electrical connector ① from the rear end of the bulb.
3. Remove the headlight bulb ② by turning it counter clockwise. Do not shake or rotate the bulb when removing it.

4. Install the new bulb in the reverse order of removal.

High-beam:



1. Disconnect the battery negative cable.
2. Turn the cover ① counter clockwise and remove the cover.
3. Disconnect the electrical connector ② from the rear end of the bulb.

4. Remove the headlight bulb ③ by turning it counter clockwise. Do not shake or rotate the bulb when removing it.
5. 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: 65W (H9)
Low beam bulb: 55W (H11)
- Do not leave the bulb out of the headlight reflector for a long period of time as dust, moisture and smoke may enter the headlight body and affect the performance of the headlight.

Aiming adjustment is not necessary if only the bulbs are replaced. When aiming adjustment is necessary, contact a NISSAN dealer or qualified workshop.

Fog may temporarily form inside the lens of the exterior lights in the rain or in a car wash. A temperature difference between the inside and the outside of the lens causes the fog. This is not a malfunction. If large drops of water collect inside the lens, contact a NISSAN dealer or qualified workshop.

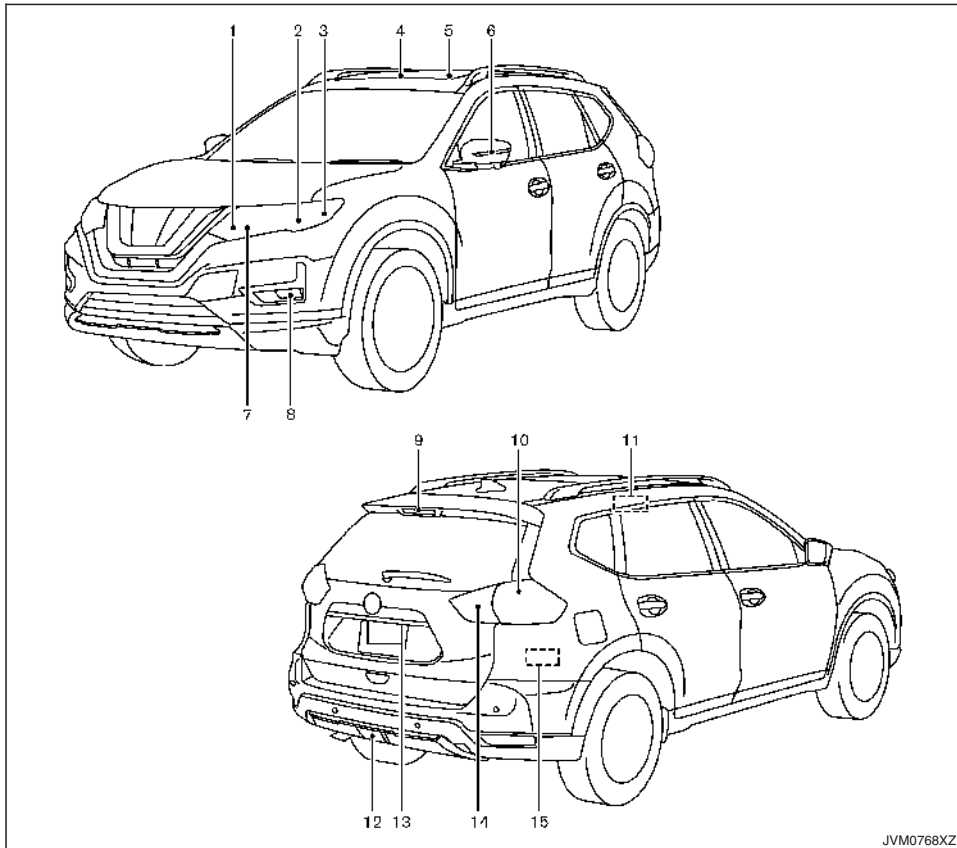
EXTERIOR LIGHTS

Item	Wattage (W)
Front turn signal light	21
Front clearance light/Daytime running light*	LED
Front fog light (where fitted)	35
Side turn signal light*	LED
Rear combination light	
Turn signal	21
Brake	21
Tail light	LED
Reverse light	16
Rear fog light	21
High-mounted brake light*	LED
Number plate light	5
Halogen headlights	
Low beam	55
High beam	65

*: See a NISSAN dealer or qualified workshop for replacement.

INTERIOR LIGHTS

Item	Wattage (W)
Map lights	LED
Vanity mirror light (where fitted)	1.8
Console light	LED
Room light (where fitted)	8
Rear personal light (where fitted)	8
Luggage room light	5
Glove box light (where fitted)	1.4

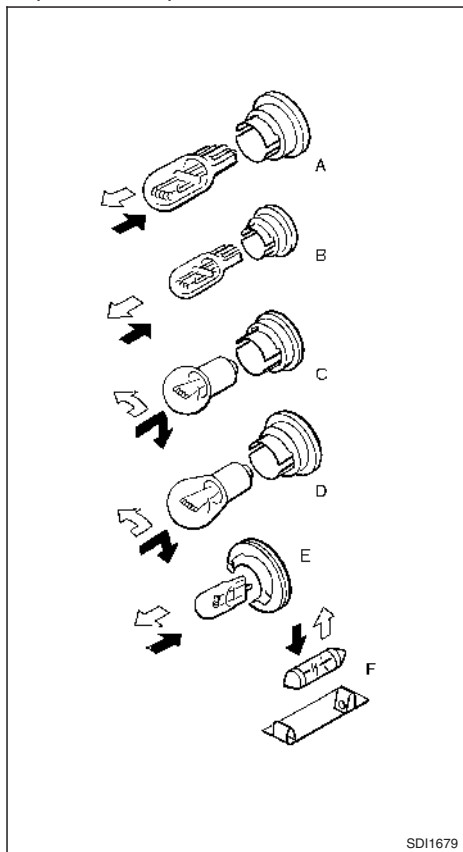


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LIGHT LOCATIONS

1. Clearance light/Daytime running light
2. Headlight (high-beam)
3. Headlight (low-beam)
4. Front map light
5. Room light (where fitted)
6. Side turn signal light
7. Front turn signal light
8. Front fog light (where fitted)
9. High-mounted brake light
10. Rear combination light (tail light, brake light, rear turn signal light)
11. Rear personal light (where fitted)
12. Rear fog light
13. Number plate light
14. Reverse light/Tail light
15. Luggage room light

Replacement procedures

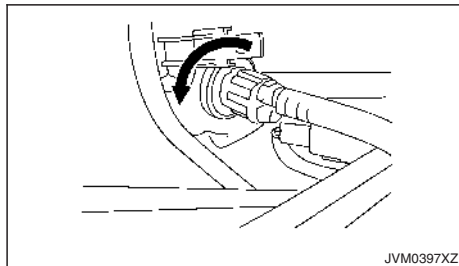


REMOVE



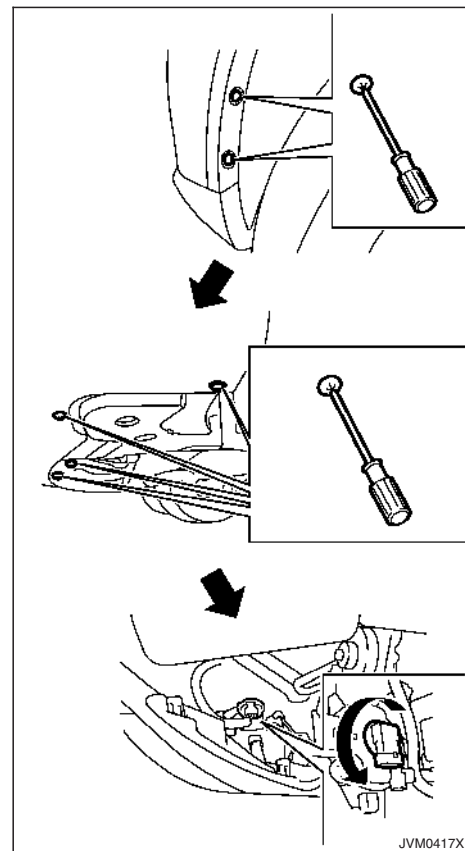
INSTALL

All other lights are either type A, B, C, D, E or F. When replacing a bulb, first remove the lens and/or cover.

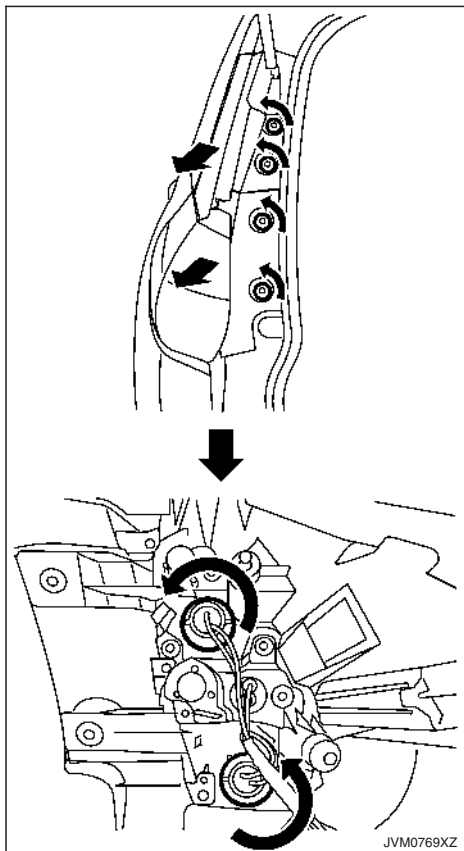


JVM0397XZ

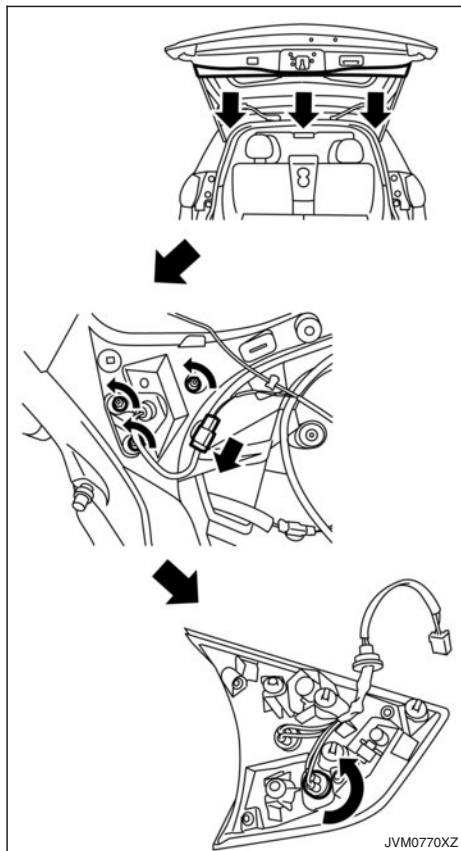
Front turn signal light



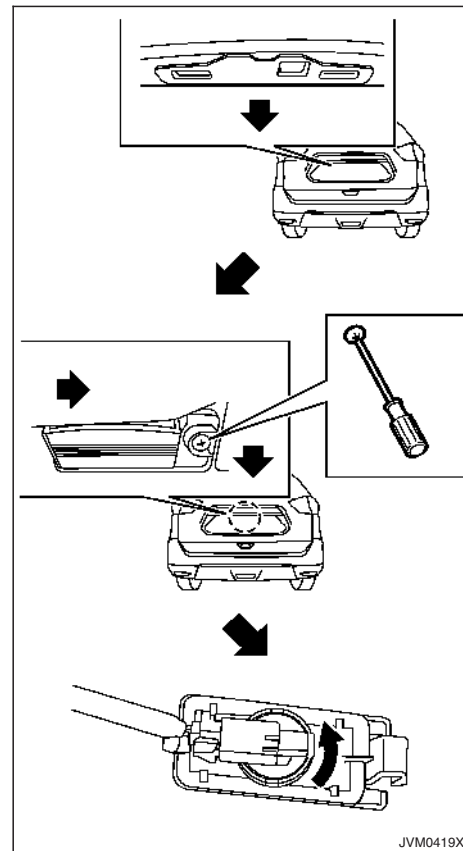
Front fog light (where fitted)



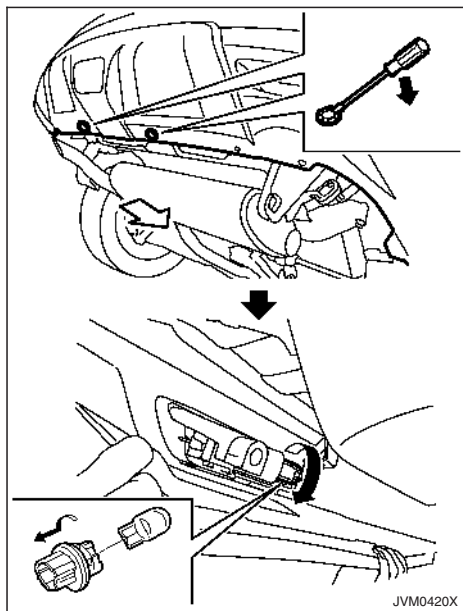
Rear combination light



Reverse light

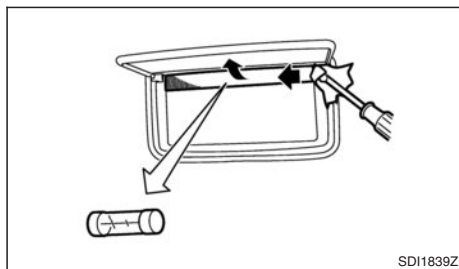


Number plate light



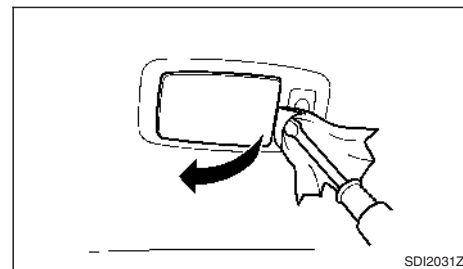
Rear fog light

JVM0420X



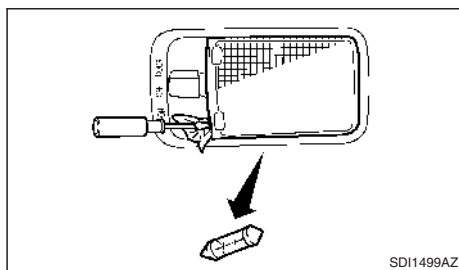
Vanity mirror light (where fitted)

SDI1839Z



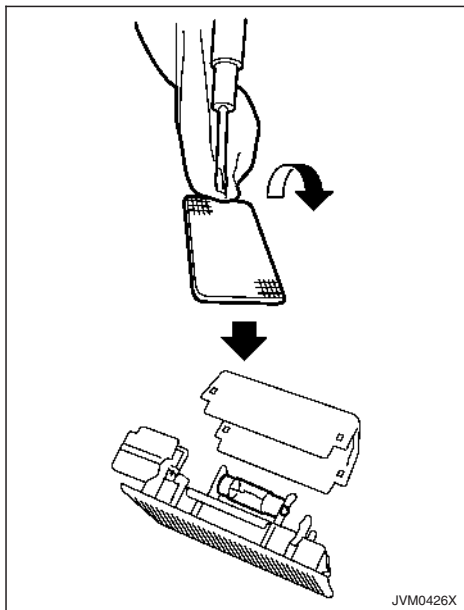
Rear personal light (where fitted)

SDI2031Z

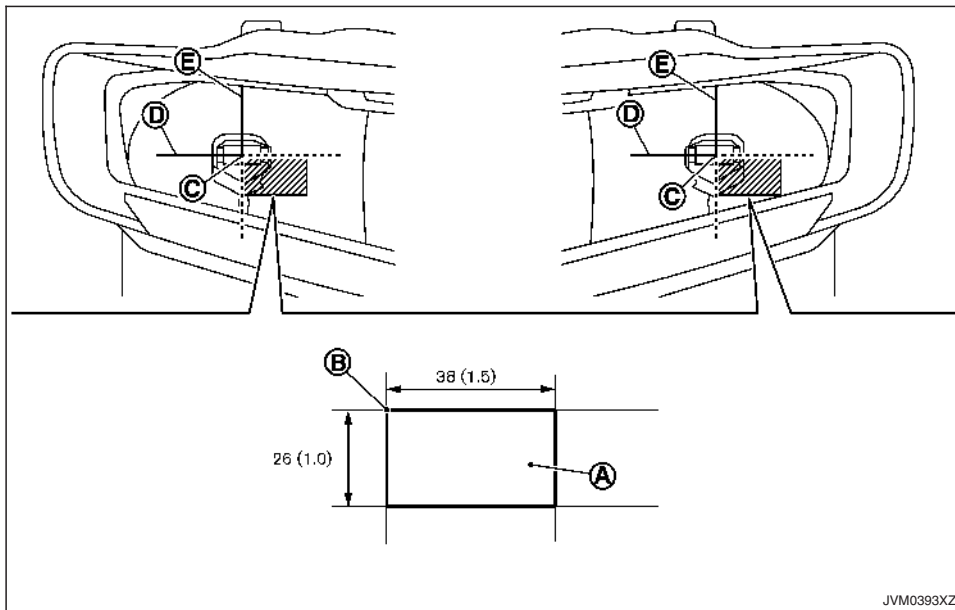


Room light (where fitted)

SDI1499AZ



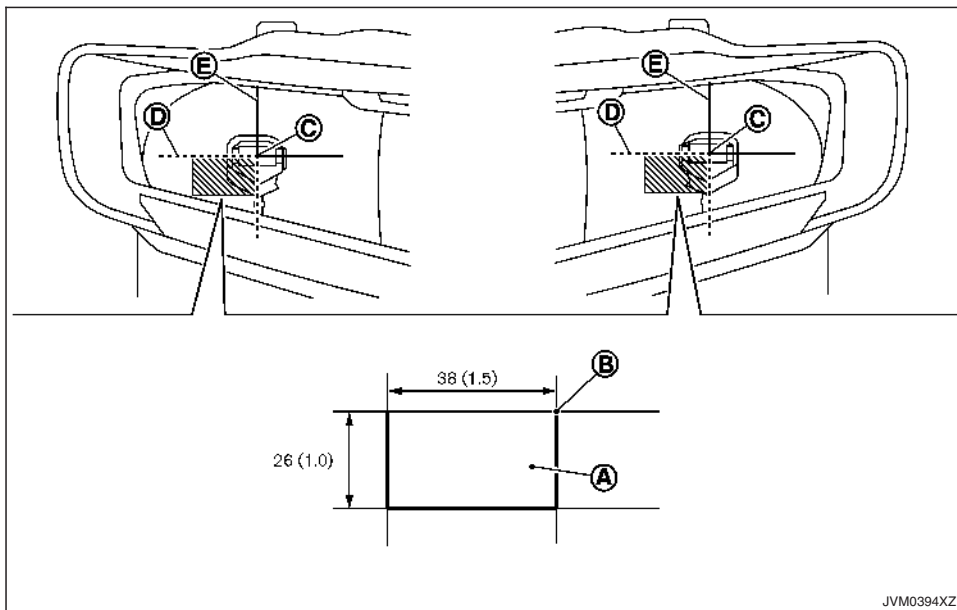
Luggage room light



Units: mm (inch) – Left-Hand Drive (LHD) model

LEGAL REQUIREMENT TO ADJUST HEADLIGHT BEAM

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.



Units: mm (inch) – Right-Hand Drive (RHD) model

JVM0394XZ

1. Place the ignition switch in the OFF position and wait until the headlights cool down.
2. Prepare the stickers referring to the figure. Make the stickers (A) 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 other transparent materials do not work effectively.

3. Affix the sticker by aligning the corner (B) of the sticker with the position of the mark (C) that is located on the surface of the headlight seen from front.

Affix the sticker as illustrated by aligning the mark (C) with dividing lines (D) and (E).

NOTE

Align the mark (C) with the centre mark (○) of the headlight bulb.

TYRES AND WHEELS

If you have 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 and “Tyre Pressure Monitoring System (TPMS) (where fitted)” in the “6. In case of emergency” section.

For additional information, see “Low tyre pressure warning light (where fitted)” in the “2. Instruments and controls” section.

TYRE INFLATION PRESSURE

Periodically check the pressure of the tyres, including the spare. An incorrect tyre pressure may adversely affect tyre life and vehicle handling. The tyre pressure should be checked when tyres are COLD. Tyres are considered COLD after the vehicle has been parked for 3 or more hours, or driven less than 1.6 km (1 mile). COLD tyre pressures are shown on the tyre placard.

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 (that is, 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 they may not match the potential maximum vehicle speed. Never exceed the maximum speed rating of the tyre.

All season tyres

NISSAN specifies all season tyres on some models to provide good performance all year, including snowy and icy road conditions. All season tyres are identified by ALL SEASON and/or M&S on the tyre sidewall. Snowtyres 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 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. If you install snow tyres, they must be the same size, brand, construction and tread pattern on all four wheels.

For additional traction on icy roads, studded tyres may be used. However, some states and provinces prohibit their use. Check local, state and provincial laws before installing studded tyres. Skid and traction capabilities of studded snow tyres on wet or dry surfaces may be poorer than that of non-studded snow tyres.

TYRE CHAINS

Use of tyre chains may be prohibited according to location. Check the local laws before installing tyre chains. When installing tyre chains, make sure that they are of proper size for the tyres on your vehicle and are installed according to the chain manufacturer's instructions.

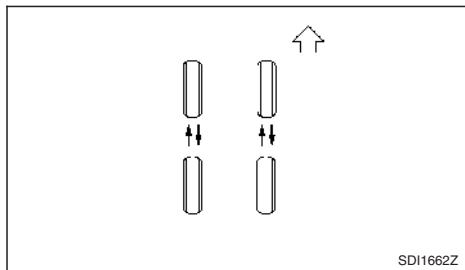
Use chain tensioners when recommended by the tyre chain manufacturer to ensure a tight fit. Loose end links of the tyre chains must be secured or removed to prevent the possibility of whipping action damage to the fenders or underbody. If possible, avoid fully loading your vehicle when using tyre chains. In addition, drive at a reduced speed. Otherwise, your vehicle may be damaged and/or vehicle handling and performance may be adversely affected.

Tyre chains must be installed only on the front wheels and not on the rear wheels. Do not use the chains on dry roads.

Never install tyre chains on a Temporary-use spare tyre (TEMPORARY USE ONLY) (where fitted).

Do not drive with tyre chains on paved roads which are clear of snow. Driving with chains in such conditions can cause damage to the various mechanisms of the vehicle due to some overstress.

TYRE ROTATION



NISSAN recommends that tyres be rotated every 10,000 km (6,000 miles) for Two-Wheel Drive (2WD) model. However, the timing for tyre rotation may vary according to your driving habits and the road surface conditions. (See “Flat tyre” in the “6. In case of emergency” section for the tyre replacement.)

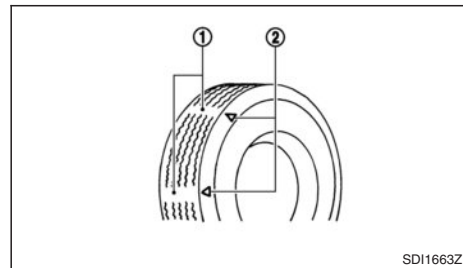
WARNING

- **After rotating the tyres, adjust the tyre pressure.**
- **Retighten the wheel nuts when the vehicle has been driven for 1,000 km (600 miles) (also in cases of a flat tyre, etc.).**
- **Do not include the spare tyre in 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 qualified workshop 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.

TYRE WEAR AND DAMAGE



- ① Wear indicator
- ② Wear indicator location marks. The locations are shown by “ Δ ”, “TWI”, etc. depending on tyre types.

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. 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 it has been used or not.

Tyres degrade with age as well as with the vehicle usage. Have your tyres checked and balanced often by a repair shop or, if you prefer, 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. (See “Tyres and wheels” in the “8. Technical information” section for recommended types and sizes of tyres and wheels.) 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, Tyre Pressure Monitoring System (TPMS), speedometer calibration, headlight aim and bumper height. Some of these effects may lead to accidents and could result in serious personal injury.

If the wheels are changed for any reason, always replace with wheels which have the same offset dimension. Wheels of a different offset could cause early 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.)**
- **Since the spare tyre is not equipped with the TPMS, 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.**
- **Replace the TPMS sensor valve stem (including valve core and cap) when the tyres are replaced due to wear or age.**
- **The TPMS sensor may be damaged if it is not handled correctly. Be careful when handling the TPMS sensor.**

- **When replacing the TPMS sensor, the ID registration may be required. Contact a NISSAN dealer or qualified workshop for ID registration.**
- **Do not use a valve stem cap that is not specified by NISSAN. The valve stem cap may become stuck.**
- **Be sure that the valve stem caps are correctly fitted. Otherwise the valve may be clogged up with dirt and cause a malfunction or loss of pressure.**

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.

SPARE TYRE

The spare tyre supplied with your vehicle varies depending on the model. See “Flat tyre” in the “6. In case of emergency” section for applicable spare tyre.

Since the spare tyre is not equipped with the TPMS, when a spare tyre is mounted, the Tyre Pressure Monitoring System (TPMS) (where fitted) will not function.

Temporary-use spare tyre (where fitted)



Spare tyre label (where fitted)

A temporary-use spare tyre (different size from the original tyre) is supplied with your vehicle.

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.
- Periodically check the T-type spare tyre inflation pressure, and always keep it at 420 kPa (4.2 kgf/cm², 60 psi). (T155/90 D17 tyre)
- Do not drive your vehicle at speeds faster than 80 km/h (50 MPH).

- Do not use tyre chains on a spare tyre. Tyre chains will not fit properly on the spare tyre and may cause damage to the vehicle.
- 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.
- Do not tow a trailer while the spare tyre is installed.

Conventional spare tyre (where fitted)

A standard tyre (the same size as the original tyre) is supplied with your vehicle.

9 Technical information

Recommended Fluids/lubricants and capacities.....	316	Engine serial number.....	321
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RECOMMENDED FLUIDS/LUBRICANTS AND CAPACITIES

The following are approximate capacities. The actual refill quantities may be slightly different. When refilling, follow the procedures instructed in the "8. Maintenance and do-it-yourself" section to determine the proper refill capacity.

Fluid type			Capacity (approximate)			Recommended Fluids/Lubricants
			Metric measure	US measure	Imperial measure	
Fuel			60 L	15-7/8 gal	13-1/4 gal	See "Fuel information" later in this section.
Engine oil* ¹	HR13DDT	With oil filter change	5.4 L	5-3/4 qt	4-3/4 qt	<ul style="list-style-type: none"> Genuine "NISSAN Motor Oil 5W-30 C3" is recommended If the above mentioned motor oil is not available, use "NISSAN Motor oil" or equivalent to satisfy the following grades and viscosity: ACEA, C3, SAE 5W-30
Drain and refill * ¹ : For additional information, see "Changing engine oil and oil filter" in the "8. Maintenance and do-it-yourself" section		Without oil filter change	5.0 L	5-1/4 qt	4-3/8 qt	
Engine coolant		With reservoir	5.8 L	6-1/8 qt	5-1/8 qt	<ul style="list-style-type: none"> "NISSAN Genuine Engine Coolant L255N or L248" or equivalent. Use "NISSAN Genuine Engine Coolant L255N or L248" or equivalent in its quality, in order to avoid possible aluminium corrosion within the engine cooling system caused by the use of non-genuine engine coolant. Note that any repairs for the incidents within the engine cooling system while using non-genuine engine coolant may not be covered by the warranty, even if such incidents occurred during the warranty period. Contact a NISSAN dealer or qualified workshop for more information regarding the coolant type and capacity.
		Reservoir	0.57 L	5/8 qt	1/2 qt	
Dual Clutch Transmission (DCT) fluid			4.0 L	1-1/8 gal	7/8 gal	<ul style="list-style-type: none"> Genuine "NISSAN DCT Fluid"
Brake fluid			Refill to the proper fluid level according to the instructions in the "8. Maintenance and do-it-yourself" section.			<ul style="list-style-type: none"> Genuine "NISSAN Brake Fluid" or equivalent DOT 4 (US FMVSS No. 116)
Multi-purpose grease			—	—	—	<ul style="list-style-type: none"> NLGI No. 2 (Lithium soap base)
Air conditioner system refrigerant			—	—	—	<ul style="list-style-type: none"> HFC-134a (R-134a)
Air conditioner system lubricants			—	—	—	<ul style="list-style-type: none"> ND-OIL8

FUEL INFORMATION

Petrol engine (model with three-way catalyst)

CAUTION

Do not use leaded petrol. Using leaded petrol will damage the three-way catalyst.

Compatible Fuels for Petrol Engines

The petrol engines are compatible with current and future European standards for bio-fuel.

E5

Petrol conforming to EN228 and mixed with a bio-fuel conforming to EN15376.

E10

HR13DDT engine model:

Use UNLEADED PREMIUM petrol with an octane rating of at least 95 (RON).

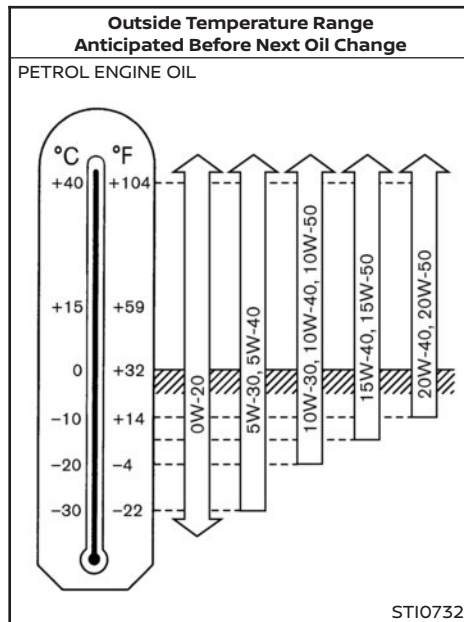
If unleaded premium petrol is not used, UNLEADED REGULAR petrol with an octane rating of at least 91 (RON) may be used at slightly reduced performance. However, for maximum vehicle performance and the best driveability, the use of unleaded premium petrol is recommended.

RECOMMENDED SAE VISCOSITY NUMBER

Petrol engine oil

**For HR13DDT engine model:
5W-30 is preferable.**

If 5W-30 is not available, select the viscosity, from the chart below, that is suitable for the outside temperature range.



AIR CONDITIONER SYSTEM REFRIGERANT AND LUBRICANT

The air conditioner system of your vehicle must be charged with the specified refrigerant and compressor oil or equivalent.

- Refrigerant
 - For Europe: HFO-1234yf (R-1234yf)
 - For Russia, Ukraine and Kazakhstan: HFC-134a (R-134a)
- Compressor Oil
 - For Europe: Compressor Oil ND-OIL12
 - For Russia, Ukraine and Kazakhstan: Compressor Oil ND-OIL8

CAUTION

Use of any other refrigerants or lubricants will cause severe damage, and you may need to replace your vehicle's entire air conditioner system.

The release of refrigerants into the atmosphere is prohibited in many countries and regions. The refrigerant in your vehicle will not harm the Earth's ozone layer. However, it may contribute in a small part to the global warming effect. NISSAN recommends that the refrigerant be appropriately recovered and recycled. Contact a NISSAN dealer or qualified workshop when servicing the air conditioner system.

ENGINE

Engine model		HR13DDT	
Type		Petrol, 4-cycle, DOHC	
Cylinder arrangement		4-cylinder, in-line	
Bore × Stroke	mm (in)	72.2 × 81.3 (2.84 × 3.20)	
Displacement	cm ³ (cu in)	1,332 (81.28)	
Idle speed	rpm	900±50	
Ignition timing (B.T.D.C.)	degree at idle	-	
Spark plugs			
Type	Standard	SILZKFR8D7G	
Gap	mm (in)	0.7 (0.028)	
Camshaft operation		Timing chain	

TYRES AND WHEELS

	Standard	Spare
Tyre size	225/65 R17	Conventional T155/90 D17*1
	225/60 R18	T155/90 D17*1
	225/55 R19	T155/90 D17*1

		Size	Offset mm (in)
Road wheel	Standard	Steel	17 x 7J 45(1.77)
		Aluminium	17 x 7J 45(1.77)
			18 x 7J 45(1.77)
			19 x 7J 40(1.57)
	Spare	Steel	17 x 4T*1 45(1.77)
			17 x 7J 30(1.18)

*1: Temporary use only

DIMENSIONS

Unit: mm (in)

Overall length	4,690 (184.6)
Overall width	1,820 (71.7)
	1,830 (72.0)*1
Overall height	1,710 (67.3)*2
	1,740 (68.5)*3
Front tread	1,575 (62.0)
	1,585 (62.4)*1
Rear tread	1,575 (62.0)
	1,585 (62.4)*1
Wheelbase	2,705 (106.5)

*1: For 225/55 R19 tyre model

*2 Model with rod antenna

*3 Model with shark-fin antenna

WHEN TRAVELLING OR REGISTERING IN ANOTHER COUNTRY

When planning to travel in another country or region, find out whether the fuel required for your vehicle is available in that country or region. Using a low octane rated fuel may cause engine damage. Therefore, be sure that the required fuel is available wherever you go. For additional information regarding recommended fuel, see earlier in this section.

When transferring the registration of your vehicle to another country, state, province or district, contact the appropriate authorities to find out that the vehicle complies with the local legal requirements. In some cases, a vehicle cannot meet the legal requirements, and it may be necessary to modify the vehicle to meet local laws and regulations. In addition, there may be possibilities that a vehicle cannot be adapted in certain areas.

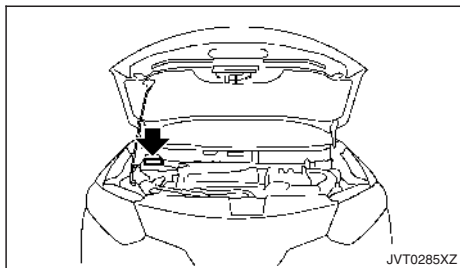
The laws and regulations for motor vehicle emission control and safety standards vary according to the country, state, province or district; therefore, the vehicle specification may differ.

When any vehicles are to be taken into another country, state, province or district, its modification, transportation, registration, and any other expenses which may result, are the responsibility of the user. NISSAN is not responsible for any inconveniences that may result.

VEHICLE IDENTIFICATION

It is prohibited to cover, paint, weld, cut, drill, alter or remove Vehicle Identification Number (VIN).

VEHICLE IDENTIFICATION PLATE



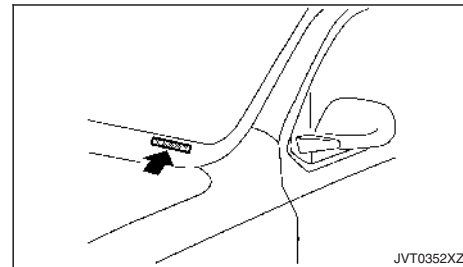
The vehicle identification plate is affixed as shown.

BUILT DATE (where fitted)

Built date is stamped on the vehicle identification plate.

The built date means the calendar month and the year in which the body shell and power train subassemblies are conjoined and the vehicle is driven or moved from the production line.

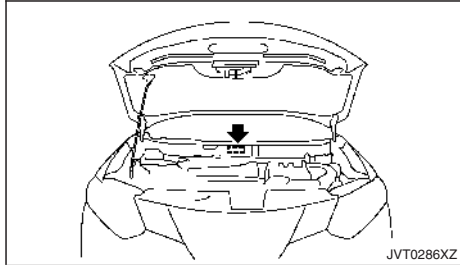
VEHICLE IDENTIFICATION NUMBER (VIN) PLATE (where fitted)



The vehicle identification number plate ① is attached as shown. This number is the identification for your vehicle and is used in the vehicle registration.

INSTALLATION OF AN RF-TRANSMITTER

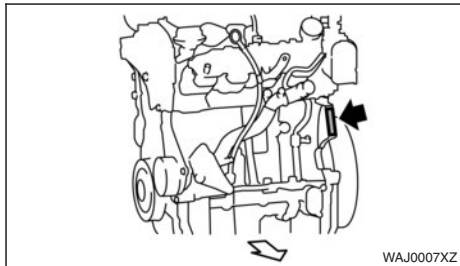
VEHICLE IDENTIFICATION NUMBER (VIN) (chassis number)



The vehicle identification number is located as shown.

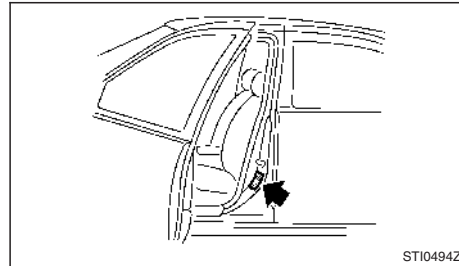
Remove the cover to access the number.

ENGINE SERIAL NUMBER



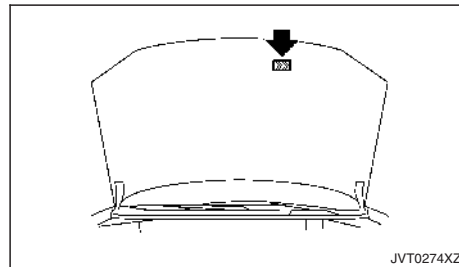
The engine serial number is stamped on the engine as shown.

TYRE PLACARD



The cold tyre pressures are shown on the tyre placard affixed to the driver's side centre pillar.

AIR CONDITIONER SPECIFICATION LABEL



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 FREQUENCY APPROVAL

All radio frequency products fitted to the vehicle range during production conform to the requirements of the Radio Equipment Directive (RED) 2014/53/EU.

The countries covered by this directive, or those which accept it, are: Albania, Austria, Belgium, Bosnia & Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, French Guiana, Georgia, Germany, Greece, Guadeloupe, Hungary, Iceland, Ireland, Italy, Kosovo, Latvia, Liechtenstein, Lithuania, Luxembourg, Macedonia, Malta, Martinique, Mayotte, Monaco, Montenegro, Netherlands, Norway, Poland, Portugal, Reunion, Romania, Saint Pierre & Miquelon, San Marino, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Tuvalu, United Kingdom.

VEHICLE RADIO FUNCTIONS		
Frequency Range	Technology	Power/Magnetic Field
125 kHz (119 - 135 kHz)	Remote Keyless Entry Transponder Ring	≤ 42 dBµA/m at 10m
433 MHz (433.05 - 434.79 MHz)	Tyre Pressure Monitoring	≤ 10 mW e.i.r.p.
433.92 MHz (433.05 - 434.79 MHz)	Remote Keyless Entry	≤ 10 mW e.i.r.p.
20 kHz (9 - 90 kHz)	Keyless Go system	≤ 72 dBµA/m at 10m
2.4 GHz (2400 - 2483.5 MHz)	Bluetooth®, Wi-Fi	≤ 100 mW e.i.r.p.
824 - 894 MHz	GSM 850 (2G)	≤ 39 dBm e.i.r.p.
880 - 960 MHz	GSM 900 (2G)	≤ 39 dBm e.i.r.p.
1710 - 1880 MHz	GSM 1800 (2G)	≤ 36 dBm e.i.r.p.
1850 - 1890 MHz	GSM 1900 (2G)	≤ 33 dBm e.i.r.p.
1922 - 2168 MHz	W-CDMA Band I (3G)	≤ 24 dBm e.i.r.p.
24.05 - 24.25 GHz	24 GHz ISM Radar	≤ 100 mW e.i.r.p.
24.25 - 26.65 GHz	24 GHz UWB Radar	≤ -41,3 dBm/MHz e.i.r.p. mean ≤ 0 dBm/50 MHz e.i.r.p. peak
76 - 77 GHz	77 GHz Radar	≤ 55 dBm e.i.r.p.

MODEL TWB1G767, PASSIVE ENTRY SYSTEM (HAND UNIT):

Hereby, ALPS ELECTRIC CO.,LTD., declares that the radio equipment type TWB1G767 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

<http://www.alps.com/products/common/pdf/HandUnit/TWB1G767.pdf>

- Manufacturer name:
ALPS ELECTRIC CO.,LTD.
- Importer name, address:
Nissan International SA
Zone d'activités La Pièce 12
1180 Rolle, Switzerland
- Operating frequency band: 433.92 MHz.
- Maximum radio-frequency power: ≤ 10 dBm

BCM (Body Control Module)


Hereby, Calsonic Kansei Corp., declares that the radio equipment type BN009 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

<https://www.calsonickansei.co.jp/en/assets/pdf/products/red-doc/bcm/bn009.pdf>

- Manufacturer name, address:
Calsonic Kansei Corp.
2-1917, Nisshin-cho, Kita-ku, Saitama-shi,
Saitama-ken, 331-8501, Japan
- Importer name, address:
Nissan International SA
Zone d'activités La Pièce 12
1180 Rolle, Switzerland
- Operating frequency band: 125 kHz
- Maximum radio-frequency power: 42.7 dBuV/m@10m

TYRE PRESSURE MONITORING SYSTEM (TPMS) TRANSMITTER

- Manufacturer's name:
PACIFIC INDUSTRIAL CO., LTD.
- Registered trademark: 

This trademark is registered in the following countries:

- UK, Italy, Austria, Greece, Germany, France, Belgium, the Netherlands, Luxembourg, Portugal.
- Manufacturer's address:
1300-1 Yokoi, Godo-cho, Anpachi-gun, Gifu, 503-2397, Japan
- Importer name, Address:
Nissan International SA
Zone d'activités La Pièce 12 1180 Rolle, Switzerland
- Operating frequency band:
433.05 - 434.79 MHz
- Maximum radio-frequency power:
100 dBμV/m

JVT0534XZ

Hereby, PACIFIC INDUSTRIAL CO.,LTD. declares that the radio equipment type PMV-CA14 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

<http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/>

FRONT RADAR SENSOR

Hereby, ADC Automotive Distance Control Systems GmbH declares that the radio equipment type ARS3-B is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

<http://continental.automotive-approvals.com/>

- Manufacturer name, address:
ADC Automotive Distance Control Systems GmbH
Peter-Dornier-Strasse 10, 88131 Lindau
Germany
- Importer name, address:
Nissan International SA
Zone d'activités La Pièce 12
1180 Rolle, Switzerland
- Operating frequency range: 76–77 GHz
- Maximum power: 1 W (30 dBm RMS EIRP)

INTELLIGENT KEY SYSTEM

Hereby, Continental declares that the radio equipment type [Intelligent Key system] is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

<http://continental-homologation.com/nissan>

- Manufacturer name, address:
Continental Automotive GmbH
Siemensstraße 12, D-93055
Regensburg, Germany
- Importer name, address:
Nissan International SA
Zone d'activités La Pièce 12
1180 Rolle, Switzerland
- Operating frequency band: 433.92 MHz
- Maximum radio-frequency power: <10 dBm

NISSAN ANTI-THEFT SYSTEM (NATS) IMMOBILIZER

Hereby, Continental declares that the radio equipment type [NISSAN Anti-Theft System immobilizer] is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

<http://continental-homologation.com/nissan>

- Manufacturer name, address:
Continental Automotive GmbH
Siemensstraße 12, D-93055
Regensburg, Germany
- Importer name, address:
Nissan International SA
Zone d'activités La Pièce 12
1180 Rolle, Switzerland
- Operating frequency band: 125 kHz
- Maximum radio-frequency power: <40 dBμA/m@10m

AUDIO SYSTEM

Model: LCN2K70B00 and LCN2K70B10

Hereby, Robert Bosch Car Multimedia GmbH declares that the radio equipment type LCN2K70B00 and LCN2K70B10 are in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

<http://cert.bosch-carmultimedia.net>

- Importer name, Address:
Nissan International SA
Zone d'activités La Pièce 12
1180 Rolle, Switzerland
- Operating frequency band:
2400 MHz – 2480 MHz
- Radiated Power [EIRP]:
Bluetooth < 10 mW

Any change of the radio equipment or usage with other accessories, components or software as specified will make a reassessment according compliance to the legal approval necessary.

Model: G13-P32

EU Declaration of conformity (No 001)

W/o. **Yanfeng Visteon Automotive Electronics Co.,Ltd.**
O/Songjiang County, 300 Minolta Rd. 201613 Shanghai PRC.

Declare under our sole responsibility that the product: **Car Radio with Bluetooth Module**
Model No: **G13-P32**

to which this declaration relates, is in conformity with the following standards and/or technical specifications

Health & Safety (Article 3.1(a))	EN 62479-2010 EN 60958-2014 ETSI EN 301 489-1 v2.1.1 ETSI EN 301 489-17 v3.1.1 ETSI EN 55032-2015 ETSI EN 55020-2007/A11: 2011
EMC (Article 3.1(b))	ETSI EN 55032-2015 ETSI EN 55020-2007/A11: 2011
Radio Spectrum (Article 3.2)	ETSI EN 300 328 v2.1.1 Final draft ETSI EN303345 v1.1.7 (2017-03)

Other (Article 3.3):

We hereby declare that the above named product is in conformity to all the essential requirements of Directive 2014/53/EU with the involvement of the following Notified Body under Annex III Module B of the Directive:

TUV SUD BABT, Octagon House, Concorde Way, Fareham, Hampshire, PO15 9RL, United Kingdom

Identification mark: **0168** Type Examination Certificate No: **BABT-RED000095 001**
(Notified Body number)

The technical documentation relevant to the above equipment will be held at:

Yanfeng Visteon Automotive Electronics Co., Ltd
Address: Songjiang County, 300 Minolta Rd. 201613
Shanghai PRC

Yanfeng 00/29/2017
System Engineer Shanghai PRC

JVT0532XZ

- Importer name, Address:
Nissan International SA
Zone d'activités La Pièce 12
1180 Rolle, Switzerland

- Frequency band(s) in which the radio equipment operates:
2.4 GHz - 2.4835 GHz
- Maximum radio-frequency power transmitted in the frequency band(s) in which the radio equipment operates:
20 dBm (EIRP)

NOTE

10 Regulatory information

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We build our vehicles with recycling in mind.....	328	AIRBAG LABEL (where fitted).....	330

ENVIRONMENTAL INFORMATION

ENVIRONMENTAL CONCERN



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.

CONSUMER AND USER SAFETY INFORMATION (REACH)

REACH is the chemical regulation in the EU, focusing on Registration, Evaluation, Authorisation and Restriction of Chemicals manufactured in or imported into the European Economic Area. Nissan complies with REACH obligations, and fully supports its underlying goals: to protect human health and reduce the environment from risks posed by chemicals. For more information, visit:

www.nissan-safetysheets.com

This website provides information on substances present in the Nissan product(s) that you buy, and recommendations for their safe use.

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.

Use the roof rack only when necessary

Only install the roof luggage system when you really need it, otherwise put it inside the vehicle or store it in your garage. Do not drive around with an empty roof rack, kayak holder, or ski rack, this will reduce your aerodynamic drag significantly.

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 accelerator 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 entraîner 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 AKTYWNA PODUSZKA POWIETRZNA. 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 VÁŽNĚMU ZRANĚNÍ DÍTĚTE.

Önünde AKTİF BİR HAVA YASTIĞI ile korununan bir koltuğa hiç bir zaman yüzü geriye bakan bir çocuk koltuğu KOYMAYIN, bu ÇOCUĞUN ÖLÜMÜNE veya CİDDİ ŞEKİLDE YARALANMASINA neden olabilir.

Nu folosiți NICIODATĂ un scaun pentru copil cu spatele la direcția de deplasare pe un scaun protejat de un AIRBAG ACTIV amplasat în fața sa, deoarece există riscul de DECES sau RĂNIRE GRAVĂ a copilului.

SOHA ne használnjon hátrafelé néző gyermekülést olyan ülésen, amelyet előlről 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 käyttää 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 sjedalico 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.

NEIEVIETOJDIET ar skatu pretēji braukšanas virzienam vērstu bērnu sēdekļiti šajā sēdekļī, 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 vaiku prie automobīlio sēdynēs atvirkščīai jūdējimo krypčīai prītvirtintoje specialioje kėdūtėje, jeigu ši sėdynė apsaugota VEIKIANČIA SAUGOS PAGALVE, nes VAIKUI kyla MIRTINAS ar SUNKAUS SUŽEIDIMO pavojus.

Ніколи не встановлюйте дитяче крісло спинною вперед на сидінні, передня ПОДУШКА БЕЗПЕКИ якого не заблокована. Ризик ЗАГИБЕЛІ або ТЯЖКИХ ТРАВМ дитини.

„Никого 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!“

يَحذَرُ نَهائِيًا تَثْبِيَتِ مَقْعَدِ الطِّفْلِ بِشَكْلِ عَكْسِي عَلَى القَعْدِ المَحْمِي بوسَادَةِ هَوَائِيَةِ نَشْطَةِ أَمَامِ مَقْعَدِ الطِّفْلِ، فَمِنَ المَمكِنِ أَنْ يَتَسَبَّبَ ذَلِكَ فِي وَفَاةِ الطِّفْلِ أَوْ إصَابَتِهِ بِجُرُوحٍ خَطِيرَةٍ

ALDREI má nota festingar sem snúa afturábak á sæti sem varið er með ACTIVE AIRBAG að framan. Það getur valdið DAUDA 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 کمر بند 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。

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QUICK REFERENCE

- In case of emergency ... "Hazard warning flasher switch" in the "6. In case of emergency" section
(Flat tyre, engine will not start, overheating, towing)
- How to start the engine ... "Before starting engine" in the "5. Starting and driving" section
- How to read the meters and gauges ... "Meters and gauges" in the "2. Instruments and controls" section
- Maintenance and do-it-yourself ... "Maintenance requirements" in the "8. Maintenance and do-it-yourself" section
- Technical information ... "Recommended Fluids/lubricants and capacities" in the "9. Technical information" section

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**.

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SECURITY INFORMATION

Radio security code
(where fitted)

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Key number

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Wheel lock key code
(where fitted)

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