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NISSAN



ZEO-EN12

NISSAN LEAF

ZEO-EN12



NISSAN LEAF

OWNER'S MANUAL

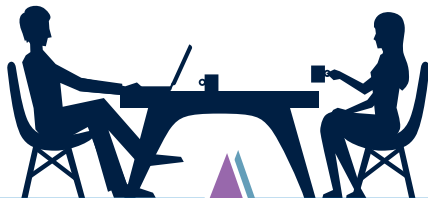


Zero Emission

LEAF

A day in the life of LEAF

Welcome to the world of the LEAF.
This graphical index introduces useful
ways to make driving your LEAF
every day more comfortable.



Activate vehicle functions remotely*¹

Li-ion battery charging can be initiated from an internet-enabled smart phone or personal computer. You can check the Li-ion battery charging status.*²



Whether it's a cold winter morning or a hot summer afternoon, you can switch the heater or air conditioning on remotely from the comfort of your own home.

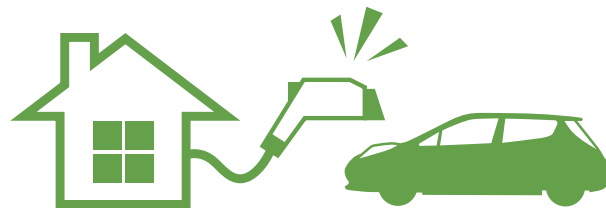
CHARGING RELATED REMOTE FUNCTION

REMOTE CLIMATE CONTROL



Charge your LEAF! *³

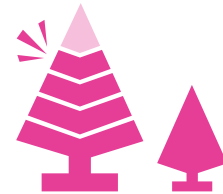
You can charge your vehicle at your home.



HOW TO NORMAL CHARGE

Drive well to achieve ECO drive!

Drive in ECO mode to extend the driving range.



You can use the ECO indicator to make ECO driving fun.

ELECTRIC SHIFT CONTROL SYSTEM

ECO INDICATOR

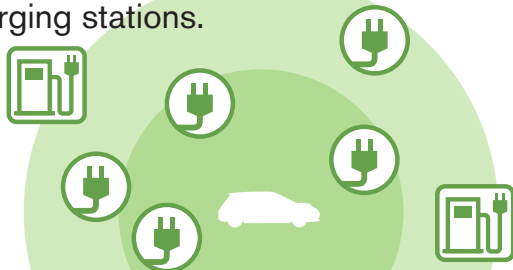
*1: Models with LEAF navigation system

*2: The vehicle, phone and/or computer must be in a location where communication signals can be sent/received for this function to be used. Also NissanConnect EV subscription must be activated.

*3: Allow the Li-ion battery to cool down for a period of time before charging again.

Find the location of charge stations!^{*1}

You can check the estimated distance you can drive before Li-ion battery discharge as well as the location of charging stations.



DISPLAYING DRIVING RANGE

See "the separately provided LEAF navigation system owner's manual".

Quick charge at your destination!^{*2} (where fitted)

Charging can be performed while you take a break from driving.

HOW TO QUICK CHARGE

^{*1}: Models with LEAF navigation system

^{*2}: Allow the Li-ion battery to cool down for a period of time before charging again.

^{*3}: The vehicle, phone and/or computer must be in a location where communication signals can be sent/received for this function to be used. Also a NissanConnect EV subscription must be activated.

Charge when you get home!

A notification will be sent by e-mail if the plug is not connected at the certain time you selected, or if charging is stopped halfway.*1*3



CHARGING RELATED REMOTE FUNCTION*1

What were the ECO drive results from today?

Check your ECO drive results to determine daily power consumption!



ENERGY INFORMATION DISPLAY

See "the separately provided LEAF navigation system owner's manual"*1.

Foreword

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

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

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

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

READ FIRST — THEN DRIVE SAFELY

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

WARNING

IMPORTANT SAFETY INFORMATION REMINDERS!

Follow these important driving rules to help ensure a safe and comfortable 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.

MODIFICATION OF YOUR VEHICLE

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

WHEN READING THE MANUAL

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

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

IMPORTANT INFORMATION ABOUT THIS MANUAL

You will see various symbols in this manual. They are used in the following ways:

WARNING

This is used to indicate the presence of a hazard that could cause death or serious personal injury. To avoid or reduce the risk, the procedures must be followed precisely.

CAUTION

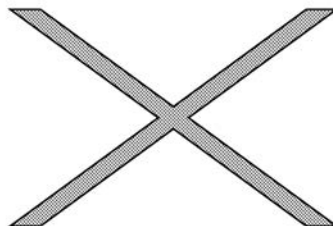
This is used to indicate the presence of a hazard that could cause minor or moderate personal injury or damage to your vehicle. To avoid or reduce the risk, the procedures must be followed carefully.

NOTE:

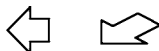
Indicates additional helpful information.



The NISSAN BLUE CITIZENSHIP symbol indicates environmentally friendly information and best practices.



If you see the symbol above, it means “Do not do this” or “Do not let this happen”.



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



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



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



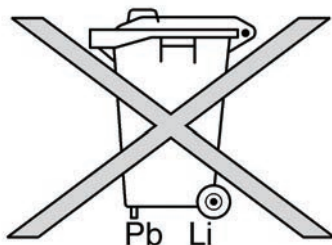
This indicates the title and reference page.

[]:

Indicates a key/item displayed on the screen.



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

The Li-ion battery has a limited service life. Contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer for information about recycling or disposal of the Li-ion battery. Do not attempt to recycle or dispose of the Li-ion battery yourself.

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 knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer for advice on disposal.



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iPod® is a trademark of Apple Inc.

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NISSANConnect EV helpdesk contact information

For assistance or inquiries about the NISSANConnect EV service, contact the NISSANConnect EV helpdesk:

Country:	Phone number:	E-mail address:
Austria	0800 210 025	austria@nissan-services.eu
Belgium	B: 0800 17 311 L: 080026180	beluxfr@nissan-services.eu
Bulgaria	—*	—*
Croatia	—*	—*
Cyprus	+35722418402	gmichael@pilakoutasgroup.com.cy
Czech republic	800232323	czechrep@nissan-services.eu
Denmark	+45 70 14 01 47	denmark@nissan-services.eu
Estonia/(Baltics)	+372 606 4070	estonia@nissan-services.eu
Finland	(+358) 107705222	finland@nissan-services.eu
France	0805 11 22 33	france@nissan-services.eu
French Guyana	—*	—*
Germany	0800 35 57 355	germany@nissan-services.eu
Greece	—*	—*
Guadeloupe	+590 (0) 590252642	s.beauzor@soguava.com
Hungary	80333888	hungary@nissan-services.eu
Iceland	+345 525 8000	bl@bl.is
Israel	—*	—*
Ireland	442 079 792 337	sales@nissan.ie
Italy	800.105.800	italy@nissan-services.eu

*: Please contact a knowledgeable electric vehicle repairer such as a NISSAN certified electric vehicle dealer.

Country:	Phone number:	E-mail address:
Latvia	+372 606 4071	latvia@nissan-services.eu
Lithuania	8 800 30725	lithuania@nissan-services.eu
Luxembourg	B: 0800 17 311 L: 080026180	beluxfr@nissan-services.eu
Martinique	0596 57 24 24	Martinique-automobiles@gbh.fr
Malta	+35620160731	maxinecamilleri@mizzimotors.com.mt
Netherlands	0800 0231513	netherlands@nissan-services.eu
Norway	+47 815 21 310	norway@nissan-services.eu
Poland	0801647726	poland@nissan-services.eu
Portugal	800200000	Portugal@nissan-services.eu
Reunion	+ (262) 262 98 00 00	leaf@nissan.re
Romania	—*	—*
Slovakia	0800112020	slovakia@nissan-services.eu
Slovenia	—*	—*
Spain	900118119	spain@nissan-services.eu
Sweden	+46 8 5010 3000	sweden@nissan-services.eu
Switzerland	0800 860 700	switzerland@nissan-services.eu
United Kingdom	03301231231	gb@nissan-services.eu

*: Please contact a knowledgeable electric vehicle repairer such as a NISSAN certified electric vehicle dealer.

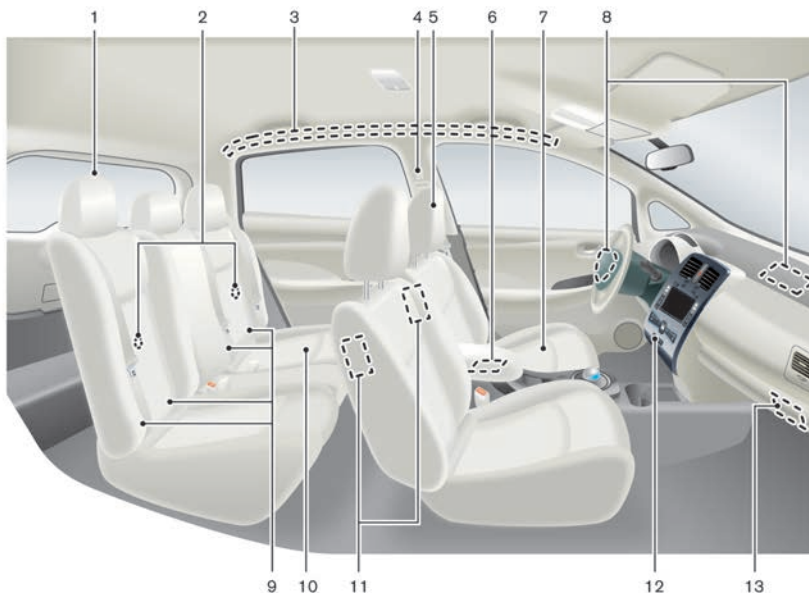
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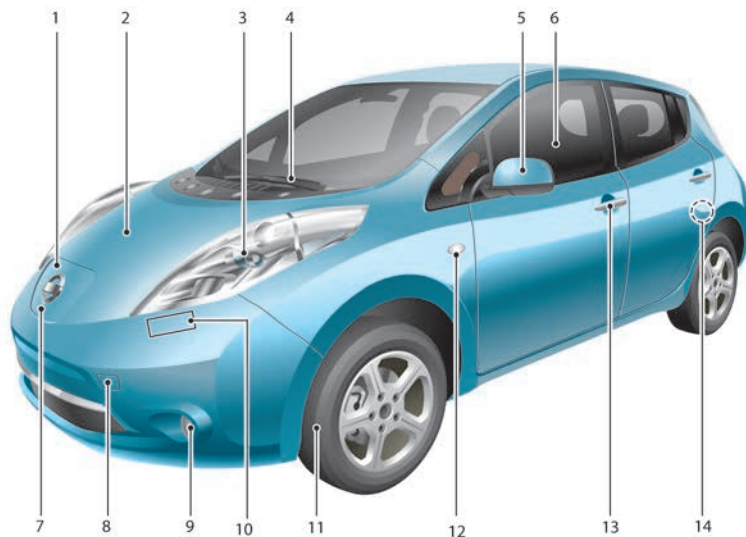
SEATS, SEAT BELTS AND SUPPLEMENTAL RESTRAINT SYSTEM (SRS)



- | | |
|---|---|
| 1. Rear head restraints (P. 1-5) | 5. Front head restraints (P. 1-5) |
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| 3. Roof-mounted curtain side-impact supplemental air bags (P. 1-29) | 7. Front seats (P. 1-3) |
| 4. Seat belts (P. 1-7) | 8. Supplemental front-impact air bags (P. 1-29) |
| | 9. ISOFIX child restraint system (P. 1-14) |

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EXTERIOR FRONT



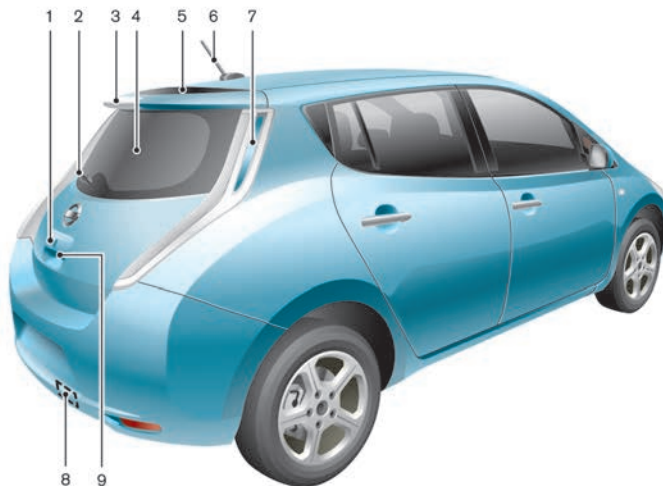
1. Charge port lid (P. 3-18)
2. Bonnet (P. 3-16)
3. Headlight and turn signal lights
 - Switch operation (P. 2-48)
 - Bulb replacement (P. 8-19)

4. Windscreen wiper and washer
 - Switch operation (P. 2-44)
 - Blade replacement (P. 8-11)
 - Window washer fluid (P. 8-9)
5. Outside mirrors (P. 3-21)
 - Side view camera* (P. 4-12)

6. Power windows (P. 2-59)
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8. Recovery hook (P. 6-20)
9. Fog lights
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10. Headlight washer* (P. 2-45)
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 - Keys (P. 3-2)
 - Door locks (P. 3-3)
 - Intelligent Key system (P. 3-6)
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*: where fitted

EXTERIOR REAR



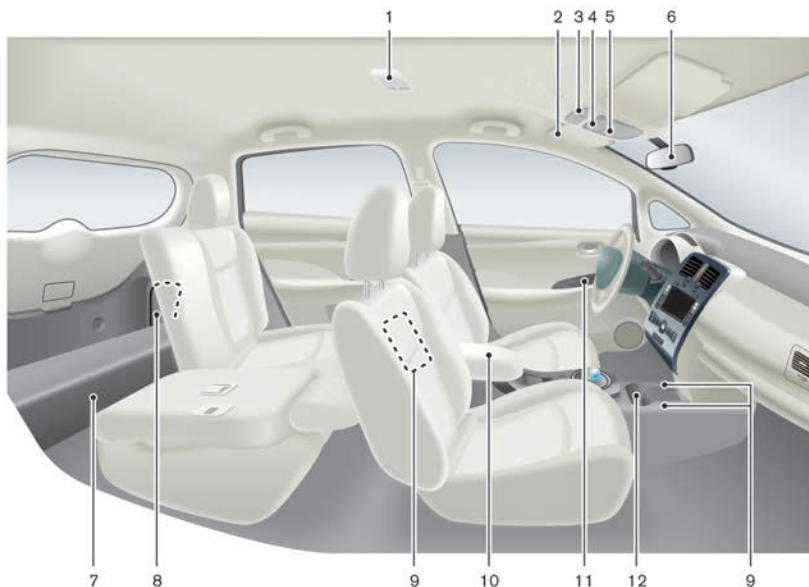
- 1. Rear view camera* (P. 4-6, P. 4-12)
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- 4. Rear window defogger (P. 2-47)

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*: where fitted

PASSENGER COMPARTMENT



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— Bluetooth® Hands-Free Phone System
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10. Console box (P. 2-57)

11. Door armrest

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— Power door lock switch (P. 3-5)

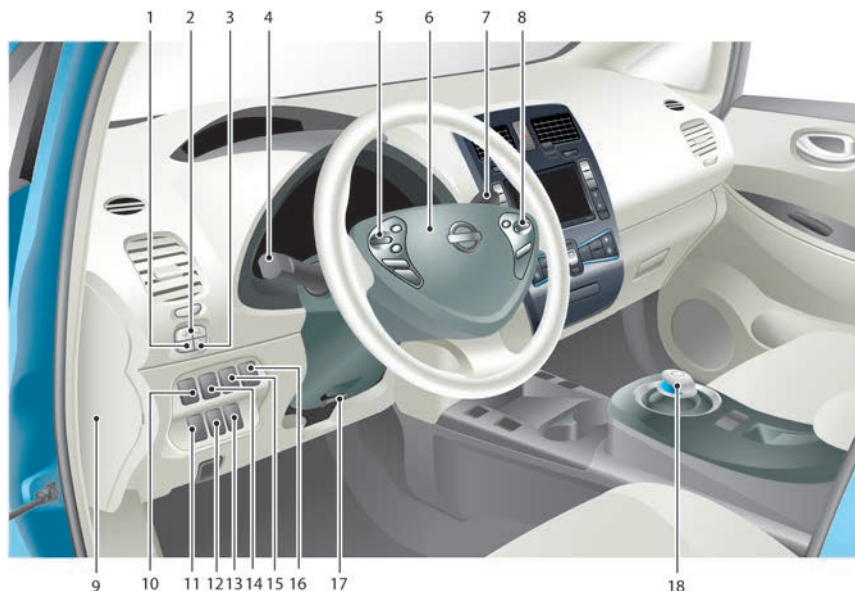
12. Front cup holders (P. 2-55)

*: where fitted

*¹: See the separately provided NISSAN Connect™ owner's manual

*²: See the separately provided EV (Electric Vehicle) navigation system owner's manual

COCKPIT



LEFT-HAND DRIVE (LHD) MODEL

1. TRIP/RESET switch for twin trip odometer (P. 2-9)
2. Trip computer switch (P. 2-34)
3. Instrument brightness control switch (P. 2-47)

4. Headlight, fog light and turn signal switch
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 - Fog light (P. 2-51)
5. Steering-wheel-mounted controls (left side)*¹, *² or (P. 4-63)*
 - Audio control

- Bluetooth® Hands-Free Phone System control*¹, *² or (P. 4-86)*

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 - Electric power steering system (P. 5-26)
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9. Fuse box cover (P. 8-16)
10. Approaching Vehicle Sound for Pedestrians (VSP) OFF switch (P. 2-63)
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12. Headlight aiming control switch* (P. 2-50)
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14. Immediate charge button (P. CH-25)
15. Charge connector lock switch (P. CH-17)

16. Charge port lid opener switch
(P. CH-18, P. 3-18)

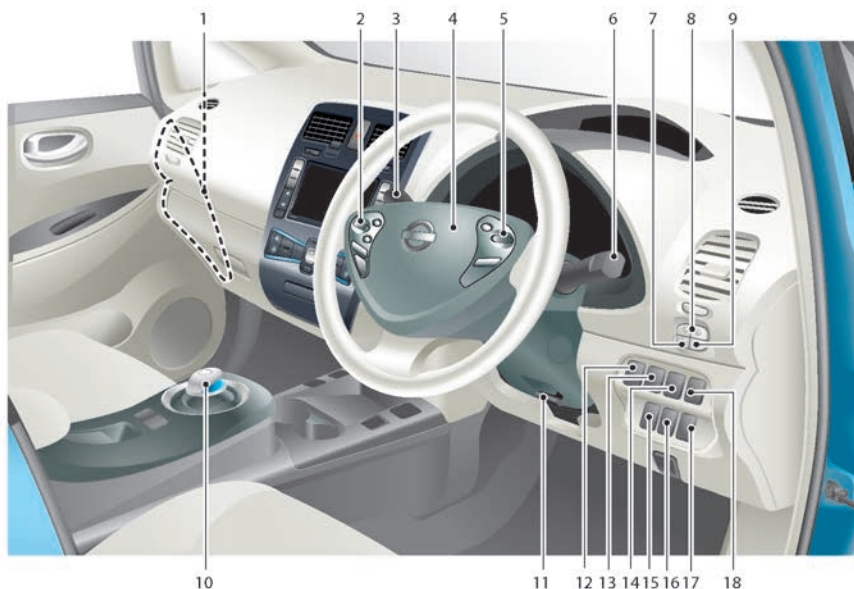
17. Tilting steering wheel lever (P. 3-20)

18. Shift lever (P. 5-14)
— ECO switch* (P. EV-17)

*: where fitted

*¹: See the separately provided NISSAN Connect™ owner's manual

*²: See separately provided EV (Electric Vehicle) navigation system owner's manual



RIGHT-HAND DRIVE (RHD) MODEL

1. Fuse box cover (P. 8-16)
2. Steering-wheel-mounted controls (left side)*¹, *² or (P. 4-63)*
 - Audio control

3. Headlight, fog light and turn signal switch
 - Headlight (P. 2-48)
 - Turn signal light (P. 2-50)
 - Fog light (P. 2-51)
4. Steering wheel
 - Electric power steering system (P. 5-26)
 - Horn (P. 2-52)
 - Driver's supplemental front-impact air bag (P. 1-29)
5. Steering-wheel-mounted controls (right side)
 - Cruise control switches* (P. 5-21)
 - Speed limiter switches* (P. 5-19)
6. Wiper and washer switch (P. 2-44)
7. TRIP/RESET switch for twin trip odometer (P. 2-9)
8. Trip computer switch (P. 2-34)
9. Instrument brightness control switch (P. 2-47)
10. Shift lever (P. 5-14)
 - ECO switch* (P. EV-17)
11. Tilting steering wheel lever (P. 3-20)
12. Charge port lid opener switch (P. CH-18, P. 3-18)
13. Charge connector lock switch (P. CH-17)
14. Immediate charge button (P. CH-25)
15. Heated steering wheel switch* (P. 2-52)

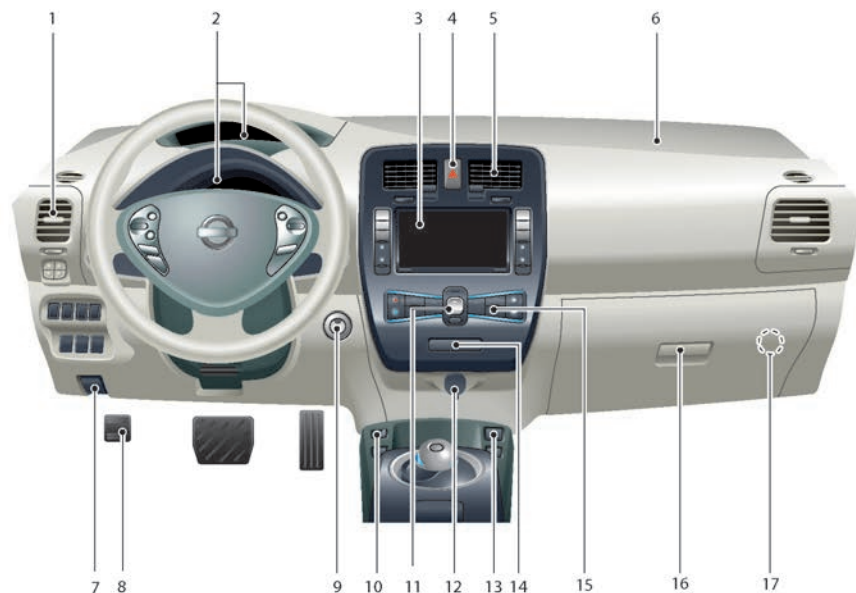
- 16. Headlight aiming control switch*
(P. 2-50)
- 17. Electronic Stability Programme (ESP)
OFF switch (P. 2-54)
- 18. Approaching Vehicle Sound for
Pedestrians (VSP) OFF switch (P. 2-63)

*: where fitted

*¹: See the separately provided NISSAN Connect™ owner's manual

*²: See separately provided EV (Electric Vehicle) navigation system owner's manual

INSTRUMENT PANEL



LEFT-HAND DRIVE (LHD) MODEL

1. Side vent (P. 4-20)
2. Meters and gauges (P. 2-8)
3. Audio system*¹, *² or (P. 4-40)*
 - Bluetooth® Hands-Free Phone System*¹,*² or (P. 4-82)*

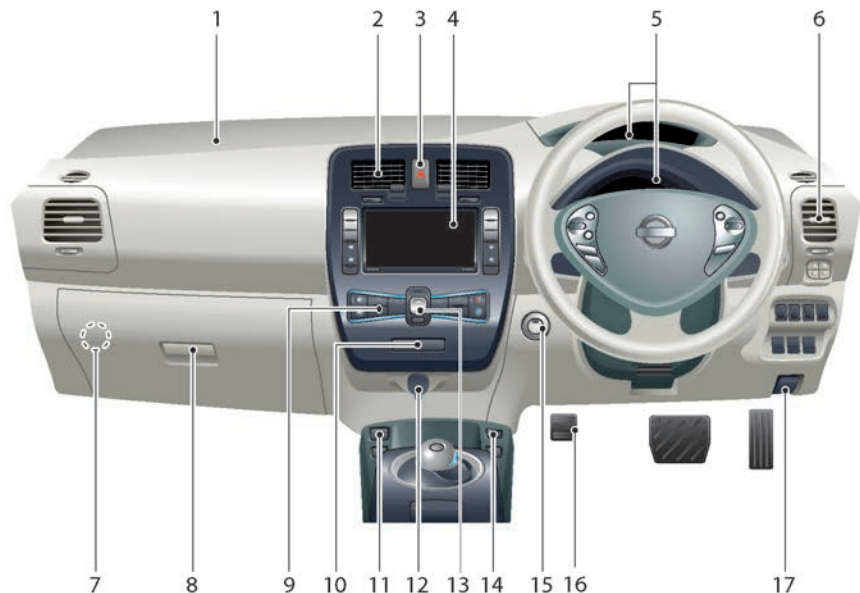
- Centre multi-function control panel*²
- Navigation system*¹, *²
- Vehicle information and setting buttons*²
- Clock*
- 4. Hazard warning flasher switch (P. 6-2)
- 5. Centre vent (P. 4-20)

6. Front passenger supplemental air bag (P. 1-29)
7. Bonnet release handle (P. 3-16)
8. Parking brake (P. 5-18)
9. Power switch (P. 5-9)
10. iPod connector/USB connector*¹,*² or (P. 4-57)*
11. Heater and air conditioner control (P. 4-21)
12. Power outlet (P. 2-55)
13. Auxiliary input socket*¹,*² or (P. 4-56)*
14. Front passenger air bag status light (P. 1-37)
15. Rear window defogger switch (P. 2-47)
16. Glove box (P. 2-56)
17. Front passenger air bag switch (P. 1-38)

*: where fitted

*¹: See the separately provided NISSAN Connect™ owner's manual

*²: See the separately provided EV (Electric Vehicle) navigation system owner's manual



RIGHT-HAND DRIVE (RHD) MODEL

1. Front passenger supplemental air bag (P. 1-29)
2. Centre vent (P. 4-20)
3. Hazard warning flasher switch (P. 6-2)

4. Audio system^{*1,*2} or (P. 4-40)*
 - Bluetooth® Hands-Free Phone System^{*1,*2} or (P. 4-82)*
 - Centre multi-function control panel^{*2}
 - Navigation system^{*1,*2}
 - Vehicle information and setting buttons^{*2}

— Clock*

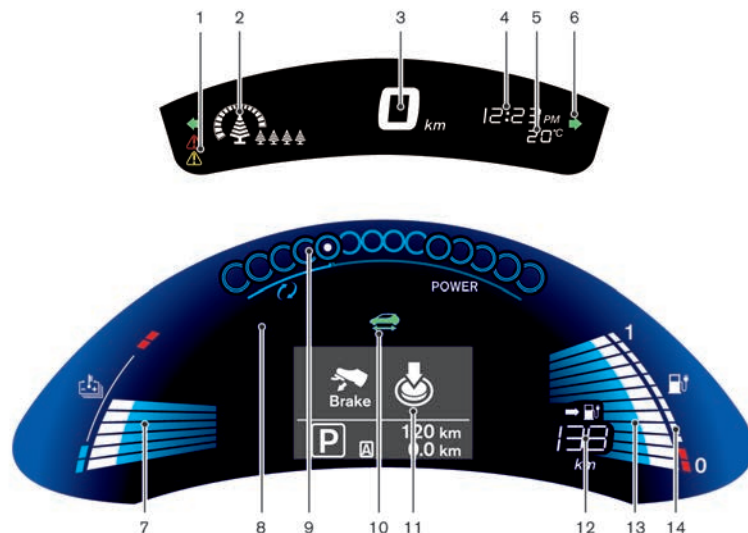
5. Meters and gauges (P. 2-8)
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7. Front passenger air bag switch (P. 1-38)
8. Glove box (P. 2-56)
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10. Front passenger air bag status light (P. 1-37)
11. iPod connector/USB connector^{*1,*2} or (P. 4-57)*
12. Power outlet (P. 2-55)
13. Heater and air conditioner control (P. 4-21)
14. Auxiliary input socket^{*1,*2} or (P. 4-56)*
15. Power switch (P. 5-9)
16. Parking brake (P. 5-18)
17. Bonnet release handle (P. 3-16)

*: where fitted

^{*1}: See the separately provided NISSAN Connect™ owner's manual

^{*2}: See the separately provided EV (Electric Vehicle) navigation system owner's manual

METERS AND GAUGES



Upper display and lower display

This vehicle is equipped with an upper display and a lower display.

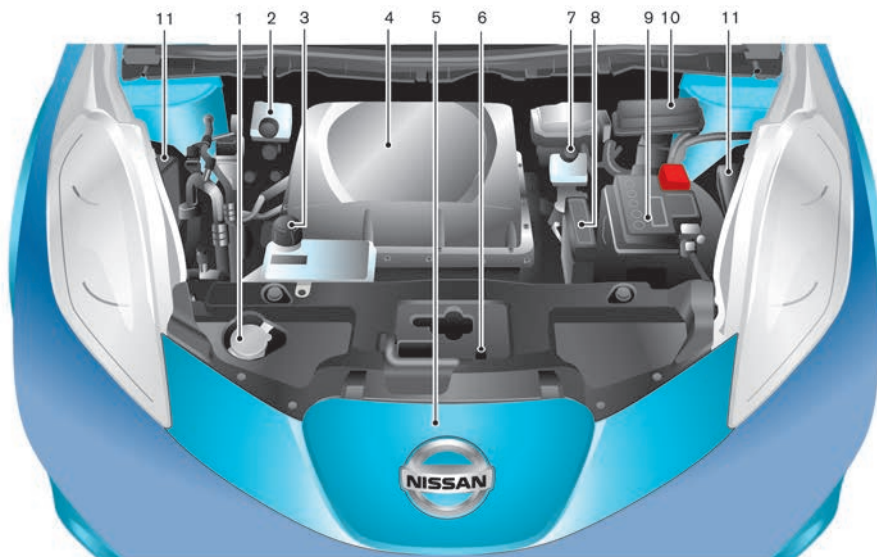
1. Master warning light (P. 2-20)
2. ECO indicator (P. 2-13)
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4. Clock (P. 2-13)
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*: where fitted

MOTOR COMPARTMENT



11. Fuse/fusible link holder (P. 8-14)

1. Window washer fluid reservoir (P. 8-9)

2. Brake fluid reservoir — RHD (P. 8-8)

3. Coolant tank cap (P. 8-6)

4. Power delivery module (P. EV-6)

5. Charge port lid (P. 3-18)

6. Charge port lid unlock screw (P. CH-19)

7. Brake fluid reservoir — LHD (P. 8-8)

8. Fuse/fusible link holder (P. 8-14)

9. 12-volt battery (P. 8-10)
— Jump starting (P. 6-15)

10. Fuse holder (P. 8-14)

WARNING AND INDICATOR LIGHTS

Warning light	Name	Page
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	Electric shift control system warning light	(P. 2-19)
	Electronic Stability Programme (ESP) warning light	(P. 2-19)
	Electric vehicle system warning light	(P. 2-19)
	Headlight warning light	(P. 2-20)
 	Master warning light (red/yellow)	(P. 2-20)

Warning light	Name	Page
	Low battery charge warning light	(P. 2-20)
	Seat belt warning light	(P. 2-20)
	Supplemental air bag warning light	(P. 2-20)
	Power limitation indicator light	(P. 2-24)
	Plug in indicator light	(P. 2-25)
	READY to drive indicator light	(P. 2-25)
	Electronic Stability Programme (ESP) OFF indicator light	(P. 2-25)
	Front fog light indicator light	(P. 2-25)
	Low tyre pressure warning light	(P. 2-21)

Warning light	Name	Page
	Front passenger air bag status light	(P. 2-25)
	High beam indicator light	(P. 2-26)
	Rear fog light indicator light	(P. 2-26)
	Security indicator light	(P. 2-26)
	Small light indicator light	(P. 2-26)
	Turn signal/hazard indicator lights	(P. 2-26)

Electric vehicle overview

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EV (Electric Vehicle) navigation system)	EV-12		

THE ELECTRIC VEHICLE SYSTEM

The LEAF is an electric vehicle. Some of the vehicle's systems operate differently and have different operating characteristics than vehicles equipped with an internal combustion engine. It is important to carefully review the entire Owner's Manual for this reason. The main difference is the LEAF is powered by electricity. The LEAF does not require and it is not capable of using petrol like a vehicle powered by a traditional internal combustion engine. The LEAF uses electricity stored in the lithium ion (Li-ion) battery. The vehicle Li-ion battery must be charged with electricity before the vehicle can be driven. As the vehicle operates, the Li-ion battery gradually discharges. If the Li-ion battery becomes completely discharged, the vehicle will not operate until it is re-charged.

This vehicle uses two types of batteries. One is the 12-volt battery that is the same as the battery in vehicles powered by petrol or diesel engines, the other is the Li-ion battery (high voltage).

The 12-volt battery provides power to the vehicle systems and features such as the audio system, supplemental restraint systems, headlights and windscreen wipers.

The Li-ion battery provides power to the electric motor (traction motor) that moves the vehicle.

The Li-ion battery also charges the 12-volt battery.

The vehicle must be plugged in for the Li-ion battery to be charged. Additionally, the vehicle system can extend the driving range by converting driving force into electricity that is stored in the Li-ion battery while the vehicle is decelerating or being driven downhill. This is called regenerative braking. This vehicle is considered to be an environmentally friendly vehicle because it does not emit exhaust gases, such as carbon dioxide and nitrogen oxide.

LI-ION BATTERY

WARNING

Your vehicle contains a sealed Li-ion high voltage battery. If the Li-ion battery is disposed of improperly, there is a risk of severe burns and electrical shock that may result in serious injury or death and there is also a risk of environmental damage.

CAUTION

To prevent damage to the Li-ion battery:

- **Do not expose the vehicle to ambient temperatures above 49°C (120°F) for over 24 hours.**
- **Do not store the vehicle in temperatures below -25°C (-13°F) for over seven days.**
- **Do not leave your vehicle for over 14 days where the Li-ion battery available charge gauge reaches a zero or near zero state of charge.**
- **Do not use the Li-ion battery for any other purpose.**

NOTE:

- If the outside temperature is -25°C (-13°F) or less, the Li-ion battery may freeze and it cannot be charged or provide power to run the vehicle. Move the vehicle to a warm location.
- The capacity of the Li-ion battery in your vehicle to hold a charge will, like all such batteries, decrease with time and usage. As the battery ages and capacity decreases, this will result in a decrease of driving range compared to the initial driving range when the vehicle was new. This is normal, expected, and not indicative of any defect in your Li-ion battery.
- The Li-ion battery has limited service life, and when its charging capacity falls below a specific level, the electric vehicle system warning light will illuminate. Owners should bring their vehicle in for inspection and possible battery replacement.
- The Li-ion battery has a limited service life. Contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer for information about recycling or disposal of the Li-ion bat-

tery. Do not attempt to recycle or dispose of the Li-ion battery yourself.

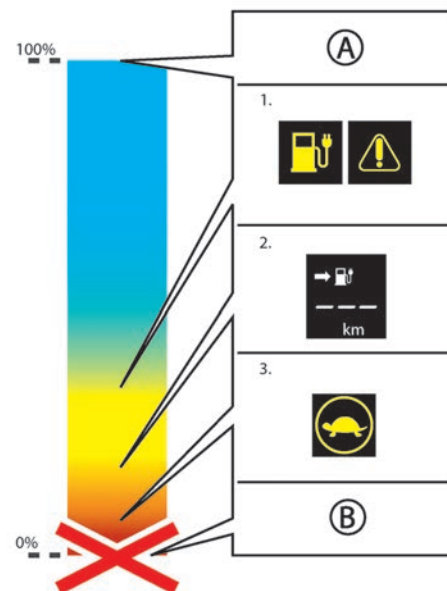
DRIVING WITH A DISCHARGED LI-ION BATTERY

When a destination is set in the navigation system that exceeds the available driving range the navigation system automatically searches the location of nearby charging stations. When the nearby charging station locations are displayed, charge the Li-ion battery as soon as possible (models with EV (Electric Vehicle) navigation system).

Warning lights illuminate on the instrument panel and messages are displayed on the vehicle information display to inform you that the Li-ion battery charge is low. Instructions are also displayed on the navigation system screen to direct you to nearby charging stations (models with EV (Electric Vehicle) navigation system).

The vehicle's range is very limited when these warning lights illuminate and messages are displayed. Follow the instructions on the navigation screen (models with EV (Electric Vehicle) navigation system) and immediately charge the vehicle at the nearest charging station.

There are three levels of information that will be displayed as the Li-ion battery becomes discharged:



Ⓐ Full charge

1. Low Li-ion battery

2. “--” indication

3. Traction motor output limited

Ⓑ Battery discharged

1. The following warning lights illuminate on the instrument panel and messages are displayed on the vehicle information display at the same time to indicate low Li-ion battery charge:

- The low battery charge warning light 
- The master warning light 

- Li-ion battery level is low warning message is displayed on the vehicle information display.

See  "Indicators for operation" in the "2. Instruments and controls" section.

- Messages are displayed on navigation system screen (models with EV (Electric Vehicle) navigation system).

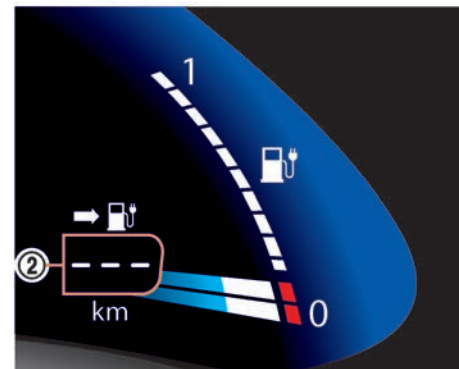
See  "Low battery warning" in the "2. Instruments and controls" section.



- The driving range flashes ①.

NOTE:

Due to traffic conditions, it may be difficult to get to the charging station suggested by the navigation system (models with EV (Electric Vehicle) navigation system). If the Li-ion battery is almost completely discharged, drive directly to the nearest charging station.



2. If the vehicle is driven and the Li-ion battery continues to discharge, the driving range on the instrument panel changes to "—" ②.
3. When the power limitation indicator light  illuminates, traction motor output is limited resulting in reduced vehicle speed. Stop the vehicle in a safe location before the Li-ion battery becomes completely discharged and there is no power available to drive the vehicle. Contact Roadside assistance service shown in your NISSAN LEAF

Warranty Book and Maintenance Record. See  "If the Li-ion battery becomes completely discharged" in the "6. In case of emergency" section.

CHARGING THE 12-VOLT BATTERY

The 12-volt battery is charged automatically using electricity stored in the Li-ion battery.

When the 12-volt battery is being charged, the charge status indicator light on the instrument panel flashes (except when charging the Li-ion battery or when the power switch is in the READY to drive position). See  "Charging status indicator lights" in the "CH. Charging" section.

While the vehicle is in use

The Li-ion battery charges the 12-volt battery as necessary when the power switch is in the READY to drive position or ON position.

The 12-volt battery is not charged in the following conditions:

- When the power switch is in ACC position.
- When the power switch is in the ON position and the shift lever is in the N (Neutral) position.

While the vehicle is not in use

When the electric vehicle system is off for an extended time, the 12-volt battery may be automatically charged for a short period of time on a regular basis.

LI-ION BATTERY WARMER (where fitted)

CAUTION

The Li-ion battery warmer does not operate if the available Li-ion battery charge is less than approximately 30% and the charger is not connected to the vehicle. To help prevent the Li-ion battery from freezing, do not leave the vehicle in an environment where temperatures may go below -17°C (-1°F) unless the vehicle is connected to a charger. Please charge the Li-ion battery soon after the available Li-ion battery charge becomes 30% or less.

The Li-ion battery warmer helps to prevent the Li-ion battery from freezing and helps to prevent significant reductions in the Li-ion battery output when the temperature is cold. The Li-ion battery warmer automatically turns on when the Li-ion battery temperature is approximately -17°C (-1°F) or colder. The Li-ion bat-

tery warmer automatically turns off when the Li-ion battery temperature is approximately -10°C (14°F) or higher.

The Li-ion battery warmer uses electrical power from an external source when a charger is connected to the vehicle. The Li-ion battery warmer uses electrical power from the Li-ion battery when the charger is not connected to the vehicle and, in this case, the available Li-ion battery charge reduces.

NOTE:

- Connect the charger to the vehicle and place the power switch in the OFF position when parking the vehicle where temperatures may go below -17°C (-1°F). This provides external power to the Li-ion battery warmer when it operates and does not discharge the Li-ion battery.
- The charging status indicator lights illuminate in a specific pattern when the Li-ion battery warmer operates. The charging status indicator lights use the same pattern to indicate 12-volt battery charging, Climate Ctrl. Timer operation or Remote Climate Control operation (models with EV (Electric Vehicle) navigation system). The charging status in-

indicator lights do not change if the Li-ion battery warmer operates at the same time as the above features. See  “Charging status indicator lights” in the “CH. Charging” section.

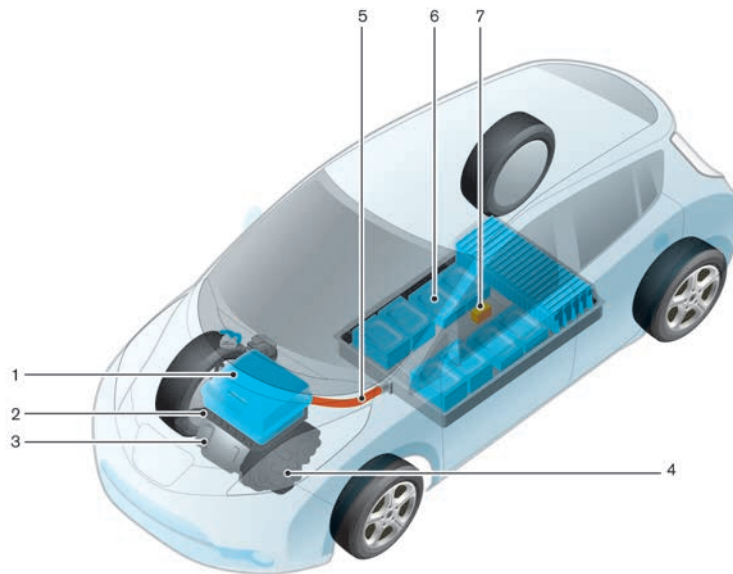
- The Li-ion battery warmer uses Li-ion battery power to operate, even if the vehicle is connected to a charger when:
 - The vehicle’s power switch is in the ON position.
 - There is no electrical power being supplied to the charging equipment.
- When the Li-ion battery warmer is already in operation using an external power source, it will continue to use the external power even if the power switch is placed in the ON position.
- Vehicle driving range is reduced if the Li-ion battery warmer operates (Li-ion battery temperature approximately -17°C (-1°F) or colder) while driving the vehicle. You may need to charge the Li-ion battery sooner than under warmer ambient temperatures.
- The Li-ion battery requires more time to charge when the Li-ion battery warmer operates.
- The predicted charging time displayed on the meter and navigation system (models with EV (Electric Vehicle) navigation system) increases when the Li-ion battery warmer operates.
- The Li-ion battery may not charge to the expected level using the charging timer when [Start Time] (models with EV (Electric Vehicle) navigation system) and [End Time] are set while the Li-ion battery warmer operates.
- Set the charging timer [End Time] when charging in cold weather. The vehicle automatically determines when to start charging to fully charge the Li-ion battery whether or not the Li-ion battery warmer operates.
- For models with EV (Electric Vehicle) navigation system: When the Li-ion battery warmer operates while the power switch is in the OFF position and the charger is not connected to the vehicle, an e-mail will be sent to remind you to connect the charger. See EV (Electric Vehicle) navigation system owner’s manual.

HIGH VOLTAGE PRECAUTIONS

HIGH-VOLTAGE COMPONENTS

WARNING

- The electric vehicle system uses high voltage up to approximately DC 400 volts. The system can be hot during and after starting and when the vehicle is shut off. Be careful of both the high voltage and the high temperature. Follow the warning labels that are attached to the vehicle.
- Never disassemble, remove or replace high-voltage parts and cables as well as their connectors because they can cause severe burns or electric shock that may result in serious injury or death. High-voltage cables are coloured orange.
- Disassembling, removing or replacing those parts or cables can cause severe burns or electric shock that may result in serious injury or death.
- The vehicle high voltage system has no user serviceable parts. Take your vehicle to a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer for any necessary maintenance.



High-voltage components

- | | |
|--|--|
| 1. Power Delivery Module (PDM)
(Charger, DC/DC Converter, Junction Box) | 5. High-voltage wire harnesses (coloured orange) |
| 2. Traction motor inverter | 6. Li-ion battery |
| 3. Traction motor | 7. Service plug |
| 4. Reduction gear | |

ROAD ACCIDENT PRECAUTIONS

⚠ WARNING

In case of a collision:

- Check your vehicle to see if there are exposed high-voltage parts or cables. For their locations, see  “High-voltage components” earlier in this section. To avoid personal injury, never touch high-voltage wiring, connectors, and other high-voltage parts, such as the Power Delivery Module (PDM), inverter unit and Li-ion battery. An electric shock may occur if exposed electric wires are visible from inside or outside of your vehicle. Therefore, never touch exposed electric wires.
- If the vehicle receives a strong impact to the floor while driving, stop the vehicle in a safe location and check the floor.
- Leaks or damage to the Li-ion battery may result in a fire. If you discover them, contact emergency services immediately. Since the fluid leak may be lithium manganate from the Li-ion battery, never touch the leaking fluid inside or outside the vehicle. If the

fluid contacts your skin or eyes, wash it off immediately with a large amount of water and get immediate medical attention to help avoid serious injury.

- If a fire occurs in the electric vehicle leave the vehicle as soon as possible. Only use a type ABC, BC or C fire extinguisher that is meant for use on electrical fires. Using even a small amount of water or the incorrect type of fire extinguisher can result in serious injury or death from electrical shock.
- If your vehicle needs to be towed, do it with the front wheels raised. If the front wheels are on the ground when towing, the traction motor may generate electricity. This may damage the components of the electric vehicle system and cause a fire.
- If you are not able to safely assess the vehicle due to vehicle damage, do not touch the vehicle. Leave the vehicle and contact emergency services. Advise 1st responders that this is an electric vehicle.
- In the event of an accident that requires body repair and painting, the

vehicle should be delivered to a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer to have the Li-ion battery pack and high voltage parts such as the Power Delivery Module (PDM) and inverter, including the wiring harness, removed prior to painting. Li-ion battery packs exposed to heat in the paint booth will experience capacity loss. Damaged Li-ion battery packs may also pose safety risks to untrained mechanics and repair personnel.

EMERGENCY SHUT-OFF SYSTEM

The emergency shut-off system is activated and the high-voltage system automatically turns off in the following conditions:

- Front and side collisions in which the air bags are deployed.
- Certain rear collisions.
- Certain electric vehicle system malfunctions.

In the above described conditions the READY to drive indicator light will turn off. See  "Warning lights, indicator lights, and audible reminders" in the "2. Instruments and controls" section.

The emergency shut-off is activated during the types of collisions mentioned above to minimise risk of an event that could cause further injury. If the emergency shut-off system activates, the electric vehicle system may not be switched to the READY to drive position, contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer. Even if the power switch is switched to the READY to drive position, the system may shut-off suddenly. Therefore, drive cautiously to the nearest knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer or contact such a dealer as soon as possible.

ELECTRIC VEHICLE CHARACTERISTICS

WARNING

- Pay special attention to pedestrians. Because there is no engine noise, pedestrians may not know the vehicle is approaching, moving or about to move, and may step into the path of vehicle travel. See  “Approaching Vehicle Sound for Pedestrians (VSP) OFF switch” in the “2. Instruments and controls” section.
- When leaving the vehicle, be sure to turn off the electric vehicle system.
- Be sure to push the P (Park) position switch on the shift lever and apply the parking brake when parking because the vehicle can move when the READY to drive indicator light is ON. When the READY to drive indicator light is ON, do not leave your vehicle in a shift position other than the P (Park) position.
- Keep the brake pedal depressed until you are ready to drive. When the vehicle is in the D (drive), ECO or R (reverse) position, and you release the brake pedal, even without depressing the accelerator, the vehicle will

creep and may start abruptly. This may cause serious injury or death.

NOTE:

- The vehicle cannot run with a discharged Li-ion battery. Repeated acceleration consumes more power from the Li-ion battery than driving at a steady speed.
- This vehicle is equipped with a regenerative brake system. The primary purpose of the regenerative brake system is to generate some power to recharge the Li-ion battery and to extend the driving range. A secondary benefit is “engine braking” that operates based on Li-ion battery conditions.
- In the D (Drive) position, when the accelerator pedal is released, the regenerative brake system provides some deceleration.
- When you place the shift lever in the ECO position (models without EV (Electric Vehicle) navigation system) or B position (models with EV (Electric Vehicle) navigation system) and take your foot off the accelerator pedal, more regenerative brake is applied than in the D (Drive) position.

- Less deceleration is provided by the regenerative brake system when the Li-ion battery is fully charged. Regenerative braking is automatically reduced when the Li-ion battery is fully charged to prevent the Li-ion battery from becoming overcharged. Regenerative braking is also automatically reduced when the battery temperature is high/low (indicated by the red/blue zones on the Li-ion battery temperature gauge) to prevent Li-ion battery damage.
- The brake pedal should be used to slow or stop the vehicle depending on traffic or road conditions. The vehicle brakes are not affected by regenerative brake system operation.

NOISE AND VIBRATION

You might experience the following noise or vibration as a normal characteristic of this vehicle.

- Traction motor noise from motor compartment.
- Noise and vibration when releasing and applying the parking brake.
- Water pump and radiator fan noise while charging.

- Compressor and radiator fan noise when the Climate Ctrl. Timer or remote climate control (models with EV (Electric Vehicle) navigation system) is used.
- Relay operation noise and vibration at start-up and shut-down of the electric vehicle system (power switch placed in the ON and OFF position).
- Approaching Vehicle Sound for Pedestrians (VSP).

LIFE WITH AN ELECTRIC VEHICLE (scene guide)

WARNING

The electric vehicle system uses a high voltage current. Failure to follow the proper handling instructions may cause serious injury or death.

This section provides a brief explanation of the most important LEAF functions. Refer to the specific sections of this manual for detailed explanations of the vehicle features and operation.

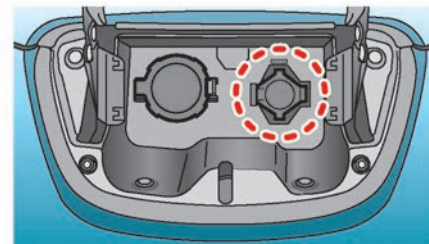
CHARGING THE LI-ION BATTERY

WARNING

Be sure to read  "Charging" in the "CH." section and follow the procedures and guidelines described.

There are two main methods of charging the Li-ion battery:

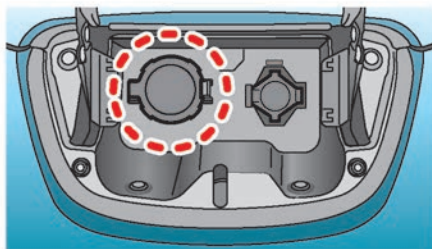
- Quick charge (where fitted)
- Normal charge



Normal charge port - Right hand side

For normal charge connect using the right hand side charging port with the orange cap.

For instructions see  "Charging" in the "CH." section.

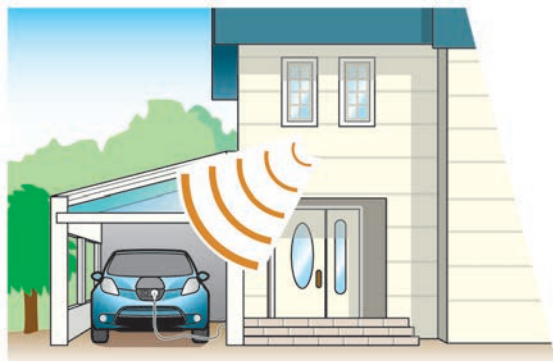


Quick charge port - Left hand side

For quick charge connect using the left hand side charging port with the black cap.

For instructions see  "Charging" in the "CH. " section.

BEFORE DRIVING YOUR VEHICLE (models with EV (Electric Vehicle) navigation system)



The Li-ion battery charging status and the Li-ion battery warmer operation can be checked using an internet enabled smart phone or personal computer at home. You may also choose to have SMS messages (text messages) sent to a mobile phone. Additionally, the heater and air conditioner of the vehicle can be set to operate using the Climate Ctrl. Timer function or A/C-heater remote function, if necessary. See  "Climate Ctrl. Timer" in the "4. Display screen, heater and air conditioner (climate control system)" section.



NOTE:

- To check the Li-ion battery charging status or to use the remote heater and air conditioner using an internet enabled smart phone or personal computer, the following conditions must be met:
 - The vehicle must be located in a mobile phone or smart phone coverage area.

- The internet enabled mobile phone or smart phone must be located in a mobile phone or smart phone coverage area.
 - The computer must be connected to the internet.
 - A mobile phone must be used to communicate with the vehicle.
 - A mobile phone capable of text messaging must be used to receive text messages regarding vehicle charge status.
- When the charge connector is disconnected from the vehicle, the heater and air conditioner operates using vehicle Li-ion battery electric power.
 - If the remote heater and air conditioner function and Li-ion battery charging are performed at the same time, Li-ion battery charging will take longer than usual due to the power used to heat or cool the vehicle.

Checking Li-ion battery charge status



The Li-ion battery charge status can be checked on the NISSAN Data Centre website via an internet enabled smart phone or personal computer.

If the Li-ion battery is not sufficiently charged, you can start charging the Li-ion battery via the remote charge function. See  “Charging related remote function (models with EV (Electric Vehicle) navigation system)” in the “CH. Charging” section.

Operating the climate control system before driving



The vehicle heater and air conditioning system can be turned on via remote control with an internet enabled smart phone or personal computer.

This allows the interior of the vehicle to be heated or cooled while the vehicle is charging. This reduces the load on the Li-ion battery while the vehicle is being driven and can help increase the vehicle driving range. See  "Remote climate control" in the "4. Display screen, heater and air conditioner (climate control system)" section.

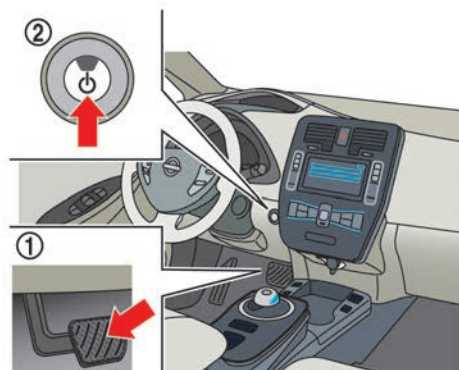
Notification of the Li-ion battery warmer operation



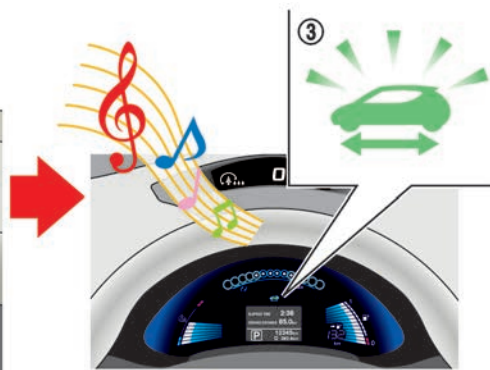
You can be notified of the Li-ion battery warmer operation on the NISSAN Data Centre website via an internet enabled smart phone or personal computer.

When the power switch is in the OFF position and charge connector is not connected, or if the Li-ion battery warmer starts or stops, an e-mail notifies you to connect the charger to the vehicle. See the separately provided EV (Electric Vehicle) navigation system owner's manual.

STARTING YOUR VEHICLE



1. Depress the brake pedal.
2. Press the power switch.
3. Check that the READY to drive indicator light illuminates and the start up sound is audible. See "READY to drive indicator light" in the "2. Instruments and controls" section
4. For models with EV (Electric Vehicle) navigation system: If route guidance is neces-



sary, enter the destination in the navigation system. See the separately provided EV (Electric Vehicle) navigation system owner's manual.

5. Check the Li-ion battery charge level and the estimated driving range shown on the meter. See "Driving range" in the "2. Instruments and controls" section.

NOTE:

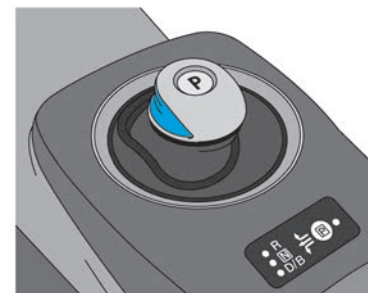
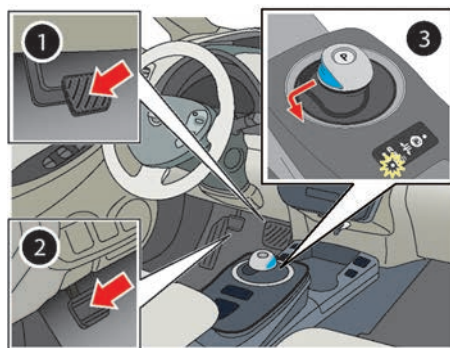
- Before driving, compare the driving distance to the destination displayed on the navigation screen with the estimated driving range shown on the meter. De-

termine if it will be necessary to charge the Li-ion battery while driving to your planned destination (models with EV (Electric Vehicle) navigation system).



- If it is necessary to charge the Li-ion battery, use the navigation system to search for available charging stations on your planned driving route (models with EV (Electric Vehicle) navigation system).

DRIVING THE VEHICLE



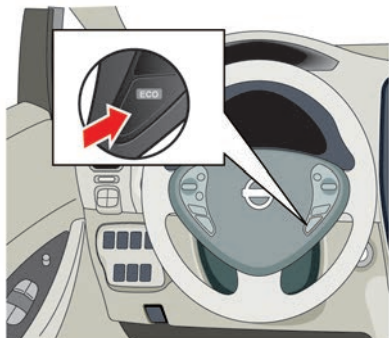
1. Depress the foot brake pedal.
2. Release the parking brake.
3. Move the shift lever into the D (Drive) position. When released, the shift lever returns to the centre position.
4. Confirm that the vehicle is in the D (Drive) position. The indicator light next to the "D" by the shift lever illuminates and "D" is displayed on the meter.
5. Release the foot brake pedal.

6. Depress the accelerator pedal and start driving.

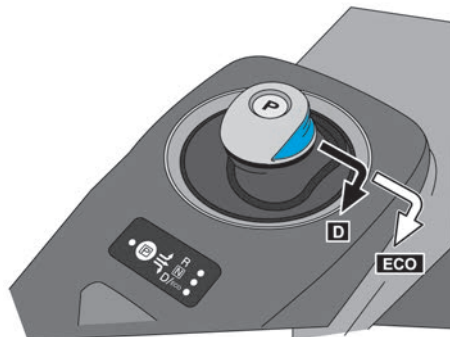
There are the following gear positions for driving the vehicle forward:

- Use the D (Drive) position for optimum driving performance.
- Models with EV (Electric Vehicle) navigation system:
When the B position is used, more regenerative brake is applied when the accelerator pedal is released in comparison to the D (Drive) position.

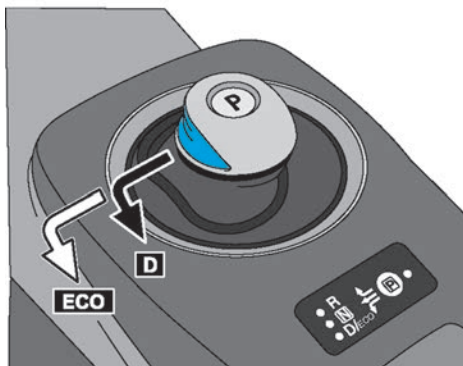
See  "Driving the vehicle" in the "5. Starting and driving" section.



Models with EV (Electric Vehicle) navigation system



Models without EV (Electric Vehicle) navigation system (Right Hand Drive (RHD))



Models without EV (Electric Vehicle) navigation system (Left-Hand Drive (LHD))

Use the ECO position for maximum vehicle range and for city driving. The ECO position helps reduce power consumption by reducing acceleration when compared to the same accelerator pedal position in the D (Drive) position. When the ECO position is used, more regenerative brake is applied when the accelerator pedal is released in comparison to the D (Drive) position.

NOTE:

The regenerative brake converts the vehicle's forward motion to electric power to help slow the vehicle.

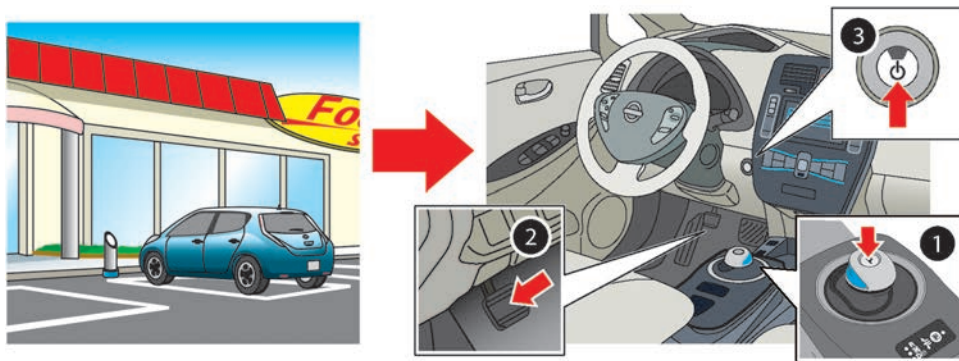


While the vehicle is being driven you can check your own ECO drive level on the ECO indicator. See  "ECO indicator" in the "2. Instruments and controls" section.



If the low battery charge warning light  illuminates, the Li-ion battery charge is too low for travel. See  “Low battery charge warning light” in the “2. Instruments and controls” section. Charge the Li-ion battery as soon as possible.

Parking the vehicle



1. When the vehicle has stopped, push the P position switch on the shift lever whilst depressing the brake pedal. Confirm that the vehicle is in the P (Park) position by checking the shift indicator located near the shift lever or the vehicle information display.
2. Apply the parking brake.
3. Push the power switch to the OFF position.
4. If the parking lot is equipped with charging facilities, charge the Li-ion battery as necessary. See "Charging" in the "CH." section.

AT HOME AFTER DRIVING

Charging the Li-ion battery

When you return home, connect the vehicle to the domestic charging station installed at your home by your Electro-Mobility Operator (EMO). Use the cable permanently attached to the domestic charging station or, if your station does not have a cable attached, your Mode 3 cable. Either way you must plug in at the LEAF charge port on the right hand side.

Charge the vehicle or set the charging timer to have the vehicle charge at a specific time. See "Charging methods" in the "CH. Charging" section.

1. When the power switch is turned off, the settings of the charging timer, the Climate Ctrl. timer and the charge connector lock functions are displayed on the vehicle information display. See "Indicator for timer" in the "2. Instruments and controls" section.



2. Open the charge port lid and charge port cap. See “Charge port lid” in the “3. Pre-driving checks and adjustments” section and “Charge port cap” in the “3. Pre-driving checks and adjustments” section.
3. Connect the charge connector to the vehicle. See “Charge port cap” in the “CH. Pre-driving checks and adjustments” section and “How to start a normal charge” in the “CH. Charging” section
4. Select the charge connector lock switch for AUTO or LOCK mode.

5. When the charging timer is set, charging starts at the set time. When the charging timer is not turned on, charging starts immediately.

NOTE:

- **Charging time can be started remotely, even if the charging timer is set (models with EV (Electric Vehicle) navigation system).**
- **When you have forgotten to connect your domestic charging station to your LEAF, there is a function that can notify you via text message-capable mobile phone, internet-enabled smart phone or**

personal computer. See “Charging related remote function (models with EV (Electric Vehicle) navigation system)” in the “CH. Charging” section (models with EV (Electric Vehicle) navigation system).

- **NISSAN recommends that you connect your domestic charging station to your LEAF when getting out of the vehicle, even if the vehicle is not going to be used. By doing this, you can get the most out of the remote climate control (models with EV (Electric Vehicle) navigation system) and Climate Ctrl. Timer functions the next time you use the vehicle.**

EFFICIENT USE OF YOUR VEHICLE

DRIVING RANGE

The distance you can drive the vehicle (driving range) varies considerably depending upon available charge, weather, temperature, usage, battery age, topography, and driving style.

IMPROVE DRIVING RANGE

The available driving range depends on a number of factors. Actual driving range will vary depending upon:

- Speed
- Vehicle load
- Electrical load from vehicle accessories
- Traffic and road conditions

NISSAN recommends the following driving habits to help maximise driving range:

Before driving:

- Follow recommended periodic maintenance.
- Keep tyres inflated to the correct pressure.
- Keep wheels correctly aligned.
- Pre-heat or pre-cool the interior cabin while the vehicle is charging.

- Remove unnecessary cargo from the vehicle.

While driving:

- Drive in ECO mode or B mode (where fitted)
 - In the ECO or B mode (where fitted) position more regenerative braking is applied when the accelerator pedal is released in comparison to the D (Drive) position and more power is provided to the Li-ion battery.
 - The ECO position helps reduce power consumption by reducing acceleration when compared to the same accelerator pedal position in the D (Drive) position.
- Drive at a constant speed. Maintain cruising speeds with a constant accelerator pedal position.
- Accelerate slowly and smoothly. Gently press and release the accelerator pedal for acceleration and deceleration.
- Drive at moderate speeds on the highway.
- Avoid frequent stopping and braking. Maintain a safe distance behind other vehicles.
- Turn off the air conditioner/heater when it is not needed.
- Select a moderate temperature setting for heating or cooling to help reduce power consumption.
- Use only the fan to help reduce power consumption.
- In cold weather, use the heated seats (where fitted) and heated steering wheel (where fitted) as a substitute for air conditioner to help reduce power consumption.
- Use the air conditioner/heater to control interior temperature and close windows to reduce drag when cruising at highway speed.
- Release the accelerator pedal to slow down and do not apply the brakes when traffic and road conditions allow.
 - This vehicle is equipped with a regenerative brake system. The primary purpose of the regenerative brake system is to provide some power to recharge the Li-ion battery and extend driving range. A secondary benefit is the “engine braking” effect that operates based on Li-ion battery conditions. In the D (Drive), and in the ECO mode or B (where fitted) position, when the accelerator is released, the regenerative

brake system provides some deceleration and some power to the Li-ion battery.

- The vehicle driving range may be substantially reduced in extremely cold conditions (for example -20°C (-4°F)).
- Using the climate control system to heat the cabin when the outside temperature is below 0°C (32°F) uses more electricity and affects the vehicle driving range more than when using the heater when the temperature is above 0°C (32°F).

LI-ION BATTERY LIFE

The Li-ion battery's ability to hold a charge, like all batteries, decreases with battery age and usage that results in a decreased driving range compared to the driving range when the vehicle was new. This is normal and expected, and does not indicate a malfunction of the vehicle or Li-ion battery.

The Li-ion battery's ability to hold a charge can be affected by how you drive the vehicle, store the vehicle, how you charge the Li-ion battery and the Li-ion battery temperature during vehicle operation and charging.

To maximise the battery's useful life, use the following driving and charging habits where possible:

- Recharge fully, from 10% or less to 100% using AC Normal Charge.
- If the vehicle will not be used for an extended period of time allow the battery charge level to drop below 6 bars before parking and disconnect the charge cable. Check the charge level every 3 months and recharge (if necessary) to maintain 2 bars minimum.
- Avoid leaving the vehicle for over 14 days with very low battery state of charge.
- Avoid reaching high battery temperature (indicated by red zone of battery temperature gauge) by repeated use of DC quick charge.
- Avoid parking in areas of extreme temperature, above 49°C (120°F) or below -25°C (-13°F).
- Use a moderate driving style, for example by using ECO drive mode.

ELECTRIC VEHICLE UNIQUE INFORMATION

METERS AND INDICATORS

The vehicle has two displays to provide information regarding vehicle operation:

- Upper display
- Lower display

Upper display

Master warning lights:



The master warning lights are located in the upper display.

The master warning lights illuminate when any warning lights or indicators illuminate in the lower display or when messages are displayed on the vehicle information display.

For additional information, see  “Master warning light (red/ yellow)” in the “2. Instruments and controls” section.

ECO indicator:



This indicator provides instant information about how efficiently the vehicle is being operated. You can see how changing your driving style or use of vehicle accessories affects power consumption.

For additional information, see  “ECO indicator” in the “2. Instruments and controls” section.

Lower display

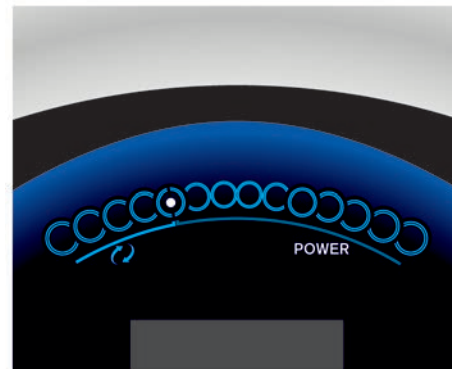
Li-ion battery temperature gauge:



This gauge displays the temperature of the Li-ion battery.

For additional information, see  “Li-ion battery temperature gauge” in the “2. Instruments and controls” section.

Power meter:



This meter displays the actual traction motor power consumption and the regenerative brake power provided to the Li-ion battery.

For additional information, see  “Power meter” in the “2. Instruments and controls” section.

Driving range:



This indicator displays the estimated driving range (calculated based on current driving style and operational conditions) that can be driven before recharging is necessary.

This indicator displays the driving range based on the current driving style.

For additional information, see  "Driving range" in the "2. Instruments and controls" section.

Li-ion battery available charge gauge:



This gauge displays the remaining Li-ion battery power charge available to drive the vehicle.

For additional information, see  "Li-ion battery available charge gauge" in the "2. Instruments and controls" section.

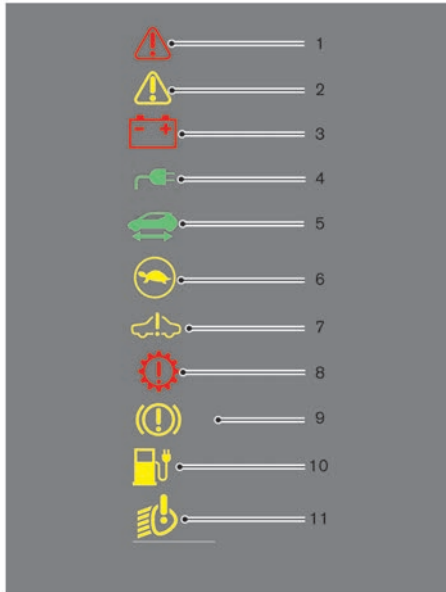
Li-ion battery capacity level gauge:



This gauge displays the overall capacity of the Li-ion battery that remains available to store power.

For additional information, see  "Meters and gauges" in the "2. Instruments and controls" section

Warning and indicator lights



The electric vehicle system uses the following electric vehicle specific warning and indicator lights:

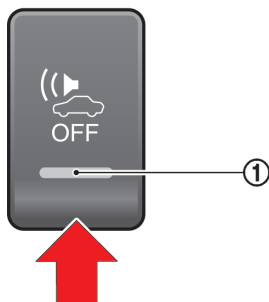
1. Master warning light (red)
2. Master warning light (yellow)

3. 12-volt battery charge warning light
4. Plug in indicator light
5. READY to drive indicator light
6. Power limitation indicator light
7. Electric vehicle system warning light
8. Electric shift control system warning light
9. BRAKE system warning light (yellow)
10. Low battery charge warning light
11. Headlight warning light

For additional information, see  "Warning lights, indicator lights, and audible reminders" in the "2. Instruments and controls" section.

APPROACHING VEHICLE SOUND FOR PEDESTRIANS (VSP) SYSTEM





The Approaching Vehicle Sound for Pedestrians (VSP) system uses sound to alert pedestrians of the presence of the vehicle when it is driven at a low speed.

When the vehicle starts to move, it produces a sound.

The sound stops when the vehicle speed exceeds approximately 30 km/h (19 MPH).

The sound (re-)starts when the vehicle speed drops below approximately 25 km/h (16 MPH).

The sound stops when the vehicle stops.

For Left-Hand Drive (LHD) model

The sound does not stop with the vehicle in the R (Reverse) position even if the vehicle stops.

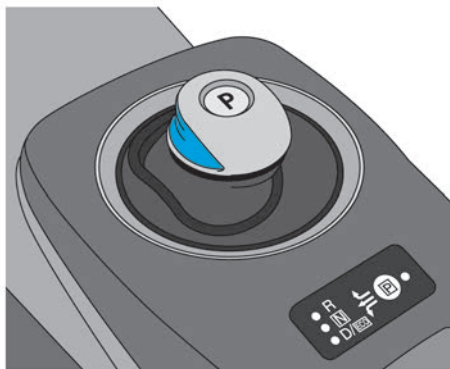
1. The VSP system is automatically turned on when the vehicle is in the READY to drive mode. (The indicator light ① on the VSP OFF switch is off.)
2. Push the VSP OFF switch to turn OFF the VSP system. (The VSP OFF indicator ① illuminates when the system is off.)
3. Push the VSP OFF switch again to turn ON the VSP system. (The VSP OFF indicator ① turns off.)
4. The system is reset when the power switch is turned off. The VSP system is automatically turned on when the power switch is turned on again.

WARNING

- Drivers must use the VSP (especially when reversing the vehicle) with due care/consideration and ensure that they comply with the laws of the jurisdiction in which they operate the VSP.

- The VSP system should only be turned off in certain very unusual situations, where the presence of pedestrians is very unlikely, such as in a traffic jam on a highway. The VSP system should never be turned off if there is a chance pedestrians will be present.
- If the vehicle is driven with the VSP system switched off, pedestrians may not notice the oncoming vehicle, which may cause an accident resulting in serious personal injury or death.
- If the sound from the VSP system is not heard while driving, stop the vehicle in a safe and quiet location. Open a window and then place the vehicle in the R (Reverse) position with the brake pedal firmly depressed. Check that the operating sound can be heard from the front of the vehicle.
- If the sound cannot be heard when the VSP system is ON (VSP OFF indicator not illuminated), immediately contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer for inspection.

ELECTRIC SHIFT CONTROL SYSTEM



This vehicle is equipped with an electric shift control system with the following three features:

- Smooth and easy shift lever operation.
- To place the vehicle in the P (Park) position, push the P (Park) position switch on the shift lever.
- The shift control system automatically applies the P (Park) position when the power switch is placed in the OFF position.

For additional information, see  "Driving the vehicle" in the "5. Starting and driving" section.

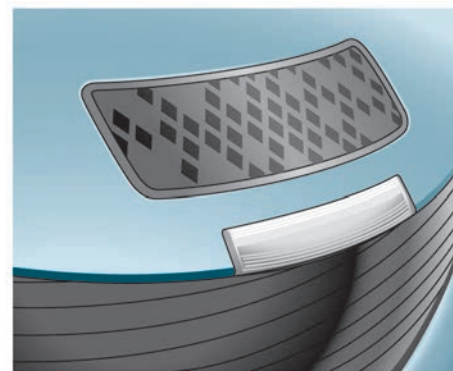
LED HEADLIGHT (low beam) (where fitted)

This vehicle uses an LED headlight for the headlight low beam. The LED headlight has the following features:

- Low power consumption
- Very compact shape

Contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer to replace the headlight.

SOLAR CELL MODULE (where fitted)



Solar cell module on the rear spoiler

This vehicle uses a solar cell module to provide power to the 12-volt battery. The solar cell module only provides power to help maintain the charge of the 12-volt battery; it will not recharge a discharged 12-volt battery.

The solar cell module does not provide power to the Li-ion battery.

For maintenance, see  "Cleaning exterior" in the "7. Appearance and care" section.

NOTE:

The solar cell may not provide full charging power in the following situations:

- When the intensity of sunlight is weak.
- When the solar cell module is in the shade.
- When the solar cell module is covered by leaves or dirt.

NOTE

Charging

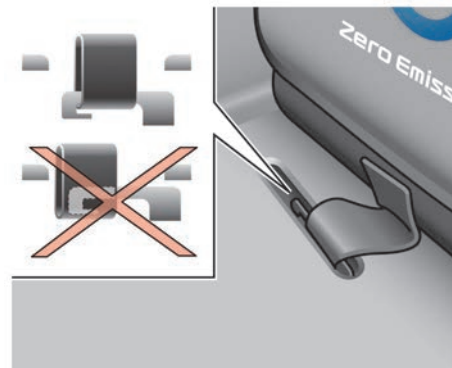
Precautions on charging	CH-2	Charging related indicator lights.....	CH-27
How to charge the Li-ion battery	CH-4	Charging status indicator lights	CH-27
Quick charge (where fitted)	CH-4	NISSAN EVSE (Electric Vehicle Supply	
Normal charge	CH-8	Equipment) cable control box indicator	
Charge connector lock switch.....	CH-17	light.....	CH-29
Charge port unlock screw	CH-19	Charging troubleshooting guide	CH-31
Charging methods	CH-20		
Charging timer	CH-20		
Charging related remote function			
(models with EV (Electric Vehicle)			
navigation system)	CH-25		

PRECAUTIONS ON CHARGING

WARNING

- If you use any medical electric devices, such as an implantable cardiac pacemaker or an implantable cardiovascular defibrillator, check with the electric medical device manufacturer concerning the effects that charging may have on implanted devices before starting the charge operation. Charging may affect the operation.
- Make sure there is no water or foreign material in the charge port, charge connector or electrical plug, and that they are not damaged or affected by rust or corrosion. If any of these conditions are noticeable, do not charge the Li-ion battery. This may result in a short circuit or electric shock and could cause a fire which may result in serious personal injury or death.
- To avoid serious personal injury or death when the Li-ion battery is charging, be aware of the following precautions:
 - Do not touch the metal contacts of the charge port, charge connector or electrical plug.

- Do not touch the vehicle and charger when there is lightning. A lightning strike may back feed into the charger causing damage and possible personal injury or death.
- Do not plug in or unplug the plug with wet hands and do not stand in water, liquid or snow. This may cause an electric shock which may result in serious personal injury or death.
- Do not disassemble or modify the charge port or the charging equipment (domestic charging station, Mode 3 cable, EVSE cable). This may cause a fire.
- If you notice an unusual odour or smoke coming from the vehicle, stop charging immediately.
- Be careful not to allow your hands, hair, jewellery or clothing to come into contact with, or get caught in, the traction motor cooling fan. The cooling fan can start at any time during charging.



- If after using your Mode 3 cable or your EVSE cable you place them in the boot please check they are properly fastened. Loose cables might cause serious injury or death.
- NISSAN highly recommends you charge your NISSAN LEAF at home using a NISSAN-recommended dedicated domestic charging station. A J1772-compliant domestic charging station needs to be installed on a dedicated 220-240 V circuit by a professional electrician, certified by a NISSAN-recommended Electro-Mobility Operator (EMO).

CAUTION

- To prevent damage to the charging equipment:
 - Do not close the charge port lid without closing the cap.
 - Do not subject the charging equipment to impact.
 - Do not pull or twist the charge cable.
 - Do not drag the charge cable.
 - Do not store and use charging equipment in locations where the temperature is over 85°C (185°F).
 - Do not place the charging equipment close to a heater or other heat source.
- Make sure to close the charge port with the charge port cap when charging is finished. If the charge port is closed when the cap is open, water or foreign materials may enter the charge port.
- Do not charge when a vehicle body cover is in use. This may cause damage to the charge connector.
- Do not attempt to perform a jump start on the 12-volt battery at the

same time that the Li-ion battery is being charged. Doing so may damage the vehicle or charging equipment and could cause an injury. See  “Jump starting” in the “6. In case of emergency” section.

- Do not insert any object other than the charge connector into the charge port doing so may cause damage to the charge port.

NOTE:

- When charging the Li-ion battery, place the power switch in the OFF position. When the power switch is in the ON position, the Li-ion battery will not start charging.
- For your safety, if the charger is connected to the vehicle while the power switch is in the READY to drive position, the vehicle will automatically switch to the ON position. Because charging will not be started while the power switch is in this position, be sure to place the power switch in the OFF position.
- When the ambient temperature is 0°C (32°F) or less, charging time may be longer than normal and the level to

which the Li-ion battery can be charged may be less than at higher temperatures.

- If the vehicle will not be used for an extended period of time allow the battery charge level to drop below 6 bars before parking and disconnect the charge cable. Check the charge level every 3 months and recharge (if necessary) to maintain 2 bars minimum.
- The power switch can be set to ON position and the climate control and navigation system (models with navigation system) can be used while the Li-ion battery is charging. However, because these operations consume Li-ion battery power, it will take longer for the Li-ion battery to become fully charged. Place the power switch in the OFF position to help reduce Li-ion battery charge time.
- If electrical power is interrupted while charging, charging restarts automatically when the electrical power is restored.
- It is recommended to keep the charge cable connected to save Li-ion battery power, when the heater and air conditioner are operating with remote operation (models with navigation system).

- If the charge port is frozen, melt the ice. After the ice has melted, charge the Li-ion battery. Forcing the charge connector to connect may cause a malfunction.
- If foreign materials have entered the charge connector or charge port and it is not possible to connect it, do not attempt to force the connection. Contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer. Forcing the charge connector to connect may cause damage to the charging equipment and vehicle.
- There is a hole on the charge port for water drainage. If the water drainage hole becomes blocked, or if water gets trapped inside the charge port, do not charge. Contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

HOW TO CHARGE THE LI-ION BATTERY

This vehicle is an electric vehicle and it requires electricity to operate. The Li-ion battery is the only source of power to operate the vehicle.

It is important to conserve power and plan your charging needs when you drive to avoid completely discharging the Li-ion battery.

There are two main methods of charging the Li-ion battery:

- **Quick charge (where fitted)**
- **Normal charge**
 - With home charging unit (recommended for private charging)
 - With NISSAN EVSE cable (where fitted)
 - With Mode 3 cable*

*Your NISSAN Electric Vehicle dealer can advise regarding availability of this cable in your country.

QUICK CHARGE (where fitted)

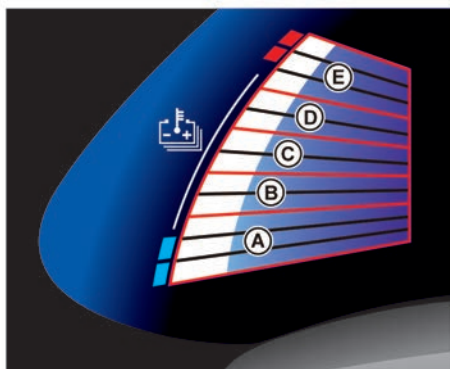


CHAdeMO

Quick charge uses public charging stations (up to 50kW of power). LEAF compatible quick chargers are developed to the ChaDeMo standard as identified by the symbol shown.

The Li-ion battery temperature gauge can be used to estimate the approximate time needed to charge the Li-ion battery from discharged (low battery charge warning light illuminated) to 80% charged.

These units charge the battery in the shortest possible time which will vary automatically according to battery temperature:



Li-ion battery temperature gauge reading		Estimated charging time
(A)	3 or less segments illuminated	more than approximately 90 minutes
(B)	4-5 segments illuminated	approximately 30-90 minutes
(C)	6-7 segments illuminated	approximately 30 minutes
(D)	8-9 segments illuminated	approximately 30-60 minutes
(E)	10 or more segments illuminated	more than approximately 60 minutes

If charging stops mid-charge, you can restart charging by pressing the start button on the quick charger station again. Quick charging is possible (even several times a day) if the battery temperature is not near the red zone. Battery temperature increases during quick charging. If the battery temperature increases to near the red zone then the speed of charging will be reduced to protect the battery.

For further information see  "Li-ion battery temperature gauge" in the "2. Instruments and controls" section.

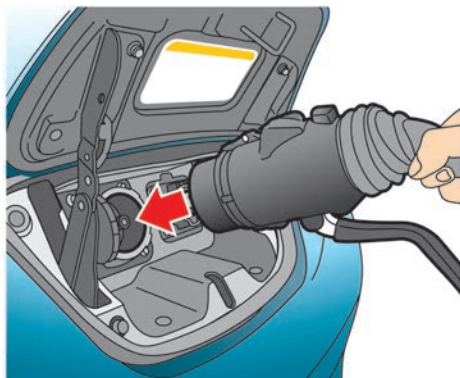
⚠ WARNING

- Always use a quick charger with CHAdeMO mark that is compatible with the LEAF. Using an incompatible quick charger may cause a fire or malfunction resulting in serious personal injury or death.
- Before starting the quick charge, carefully read the instructions provided on the quick charger and make sure the quick charge connector is properly connected and locked. Failure to connect or operate the quick charger correctly could cause damage to the vehicle or the charging equipment.

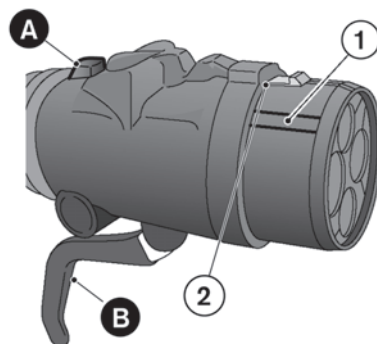
NOTE:

When the Li-ion battery available charge and Li-ion battery capacity are shown on the quick charger unit, the readings may differ from the actual Li-ion battery available charge/capacity.

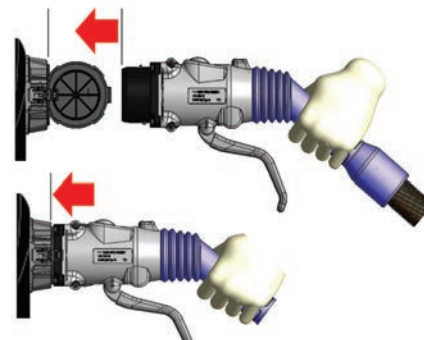
How to start quick charge



1. Push the P position switch to place the vehicle in the P (Park) position and apply the parking brake.
2. When charging the Li-ion battery, place the power switch in the OFF position. When the power switch is in the ON position, the Li-ion battery will not start charging.
3. Open the charge port lid and charge port cap. see  "Charge port lid" in the "3. Pre-driving checks and adjustments" section.

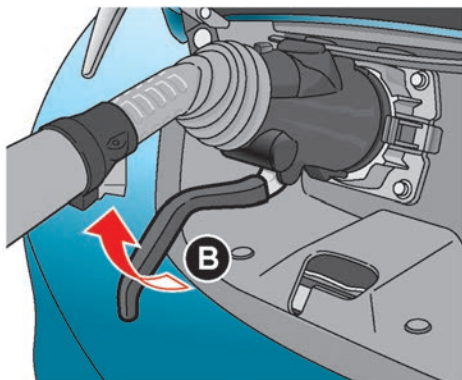


4. Align the groove on the charge connector ① with the quick charge port and insert the charge connector right up to the base ② (there is no need to use ① or ② at this stage).



CAUTION

- Be sure to insert the charge connector straight into the quick charge port right up to the base. Failure to do so may result in the Li-ion battery not charging or could cause damage to the charging equipment.



5. Pull the lock lever (B) up to lock the charge connector.
6. Confirm the lock lever is fixed in the lever holder as shown.
7. Follow the instructions on the quick charge equipment to start charging. When the equipment is properly installed and ready to charge a beep sounds twice and the charging status indicator light will change. See  "Charging status indicator lights" later in this section.

Charging ends in the following situations:

- When charging is complete.

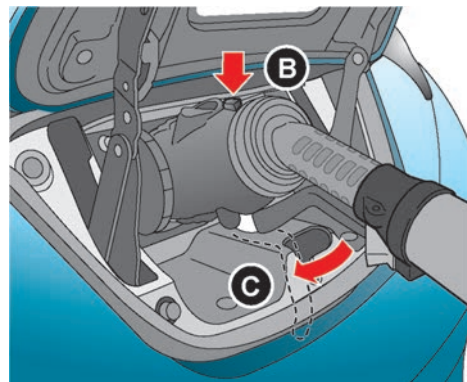
- When the charging time has exceeded 30 - 60 minutes (depending on the Li-ion battery temperature).
- When the possible charge time set for the quick charger is exceeded.

NOTE:

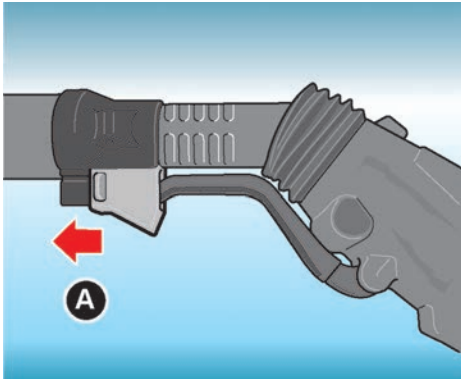
- Charging may automatically stop even if it is not completed.
- If charging stops mid-charge, you can restart charging by pressing the start button on the quick charger station again.
- The charge connector is locked to the charge port during charging and can not be disconnected. Follow the instructions on the quick charge equipment to stop charging. Confirm charging is stopped by looking at the charging status indicator lights on the instrument panel. The charge connector can be disconnected from the vehicle when charging has stopped.
- When quick charging, the Li-ion battery charging rate is slower as the percentage of battery charge available increases.

- When quick charging, the Li-ion battery charging rate is slower when the Li-ion battery temperature is extremely high or low.

How to stop quick charge



1. Confirm charging is stopped by looking at the charging status indicator lights on the instrument panel. The charge connector can be disconnected from the vehicle when charging is stopped.



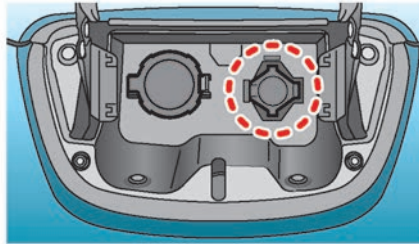
2. Slide back the lever holder (A).
3. Press the button (B) on the charge connector to release the lock lever (C).
4. Remove the charge connector from the vehicle and store it away properly.
5. Close the quick charge port cap.
6. Close the charge port lid.

⚠ CAUTION

- As the quick charge connector is heavier in comparison to the other charge connectors, allowing it to drop

could cause damage to the vehicle or charge connector or personal injury. When removing the connector, be sure to pull it out straight and as carefully as possible.

NORMAL CHARGE



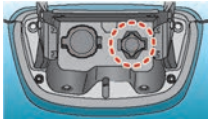
Normal charge port - Right hand side

There are three methods of normal charging:

- With home charging unit (recommended for private charging)
- With NISSAN EVSE cable (where fitted)
- With Mode 3 cable*

*Your NISSAN Electric Vehicle dealer can advise regarding availability of this cable in your country.

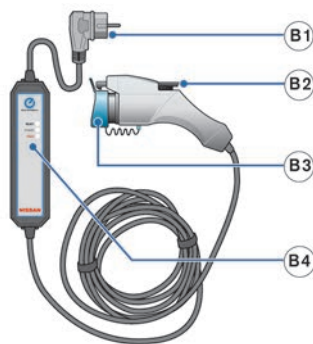
Normal charge with home charging unit

Charging Method	Charging equipment	Charge cable	Charge connector	Charge port
Normal charge	Mode 3 domestic charging station with cable attached, installed by an Electro-Mobility Operator (EMO) 	Cable attached to the charging station 		
	Mode 3 domestic charging station with type 2 or type 3 socket-outlet, installed by an Electro-Mobility Operator (EMO) 	Mode 3 cable with type 2 or type 3 plug 		

NISSAN highly recommends an SAE J1772-compliant domestic charging station installed on a dedicated 220-240 V circuit in your home by a licensed professional electrician, certified by a NISSAN-recommended Electro-Mobility Operator (EMO). NISSAN has contracted EMOs to assist you in purchasing and installing these charging stations, which are easy to use and provide the maximum 16 Amperes AC power to your NISSAN LEAF for charging the battery. Another advantage is that it is possible to fully charge your LEAF overnight whilst using the cabin pre-heating or pre-cooling function. Your domestic charging station will

either have a cable attached, or requires the use of a Mode 3 cable. Either way you must plug it into the charge port on the right hand side.

Normal charge with NISSAN EVSE cable (where fitted)



NISSAN EVSE cable

- Ⓑ1 Outlet plug
NISSAN EVSE: Insert the outlet plug into a dedicated 220 – 240 V AC power outlet
- Ⓑ2 Release button
- Ⓑ3 Safety cap
Be sure to refit the safety cap once charging has finished
- Ⓑ4 Control box indicator lights

The NISSAN EVSE cable with domestic plug is primarily intended for use with public charging

stations, and provides 8-16 Amperes AC power (3kW max) to charge the battery.

When using the NISSAN EVSE with a domestic electrical socket, it is important to understand that the LEAF draws a high continuous electrical current which could lead to concerns if the electrical wiring and socket do not comply with the latest National Regulations; have been incorrectly installed; or not properly maintained.

Your NISSAN electric vehicle dealer can provide full details of our partner Electro-Mobility Operator (EMO) in your country who can give you guidance on the best way to charge your NISSAN LEAF.

WARNING

- Do not use any electrical socket which does not comply with the latest National Regulations to charge your NISSAN LEAF.
 - If your house's electrical system is old or has not been inspected recently we strongly recommend that you get your wiring and socket inspected by a qualified electrician before charging.

- Do not use extension cables because most extension cables cannot carry the required current and might get hot.
- Do not use adapters as the NISSAN EVSE cable is not designed to be used with adapters and might get hot.
- Ensure that your NISSAN LEAF is charged on a dedicated circuit.
 - A dedicated circuit is a line from the circuit breaker with no other electrical sockets.
 - Most detached garages will be supplied by a dedicated circuit but often sockets inside the house are on a ring main.
 - Ring main sockets can become overloaded from other electrical devices that are plugged in at the same time as the LEAF which will trip your electricity supply.
- If there are any signs of wear, damage or discoloration, do not use the socket for charging.
- Inspect socket regularly and replace if there are any signs of wear, damage or discoloration.

- Do not touch the (metal) contact points of the charge port, charge connector or electrical plug.
- Do not use any EVSE cable other than a Genuine NISSAN EVSE cable.

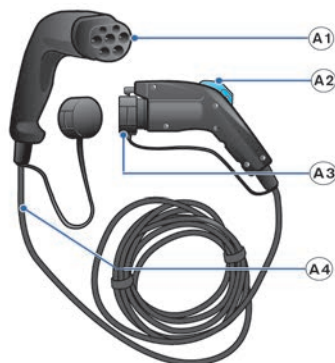
NISSAN have established a set of technical guidelines shown in the following table to ensure safe and reliable charging with your NISSAN EVSE.

If you have any doubt regarding the capacity of the socket or wiring, do not charge your NISSAN LEAF until you have confirmed the outlet's suitability by consulting your Electro-Mobility Operator (EMO) or a qualified electrician.

Technical guidelines for safe NISSAN EVSE use in domestic scenario:

	NISSAN Guideline	
Regulation	General home wiring must comply with latest national regulations, for example: BS7671 in the UK, DIN VDE 0100 in Germany, etc	
Total power capacity (at 240V)	NISSAN EVSE cable max power	2.4Kw (10A), 1.9Kw (8A)
Circuit and breaker	Circuit type	Dedicated circuit with RCD protection. No other sockets or loads connected
	Miniature circuit breaker (MCB) current rating	16A
	Residual current device (RCD) leakage detection current	30mA (Type AC) 6mA (Type DC)
Socket	Domestic heavy duty socket in good condition, mounted in accordance with latest national regulations in a dry environment 1.0m above the floor	
	If socket is mounted externally or in a damp area, it should be minimum IP54 rated to protect against water and dust ingress.	
Wiring	Voltage drop at socket max of nominal grid voltage during charging 240V: 4.8V / 230V: 4.6V / 220V: 4.4V	≤2% of nominal Voltage i.e 240V=4.8V, 230V=4.6V, 220V=4.4V
	Wire cross-section	≥2.5 mm ²
	Dedicated Earthing Spike	In line with local wiring regulations
Maintenance	In line with advice in national regulations; your electrical installation should be inspected or replaced as often as necessary so that there is little chance of deterioration leading to danger. If in doubt please contact your EMO, or a qualified electrician, who can advise you on appropriate maintenance specific to your installation and usage. Do not use any socket with signs of damage or discoloration.	

Normal charge with Mode 3 cable



Mode 3 cable (plug Type 2)

(A1) Outlet plug

Mode 3: Insert the plug into a Mode 3 outlet on a domestic charging station or on a public charging station

(A2) Release button

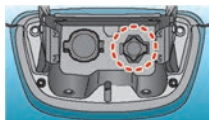
(A3) Safety cap

Be sure to refit the safety cap once charging has finished

(A4) Cord

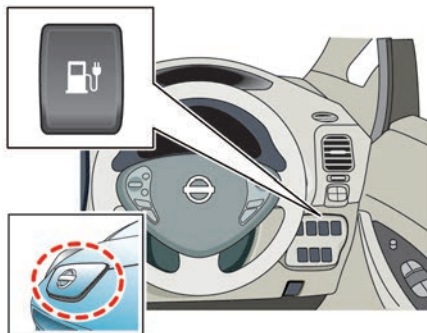
Your NISSAN Electric Vehicle dealer can advise regarding the availability of this cable in your country. The Mode 3 cable is a dedicated

Electric Vehicle charging cable and can be used with compatible public charging stations and some versions of the home charging units. The Mode 3 cable does not need the control box on the cable because safety communication is managed directly between the socket and the car. The Mode 3 cable provides 16 - 32 Amperes AC power (6kW max) to charge the battery.

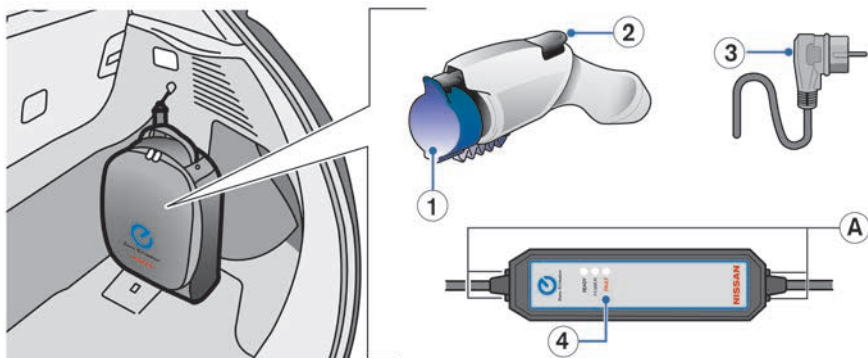
Charging Method	Charging equipment	Charge cable	Charge connector	Charge port
Normal charge	Mode 3 normal charging station with type 2 or type 3 socket-outlet 	Mode 3 cable with type 2 or type 3 plug 		

How to start a normal charge

1. Push the P position switch to place the vehicle in the P (Park) position and apply the parking brake.
2. Turn the LEAF's power off. Otherwise charging will not start.



3. When opening the charge port lid perform one of the following:
 - Push the charge port lid opener switch located on the instrument panel, or
 - Press and hold the charge connector lock button on the Intelligent Key for more than 1 second.



*Charging cable located in boot: You can pass a rope through the hole (A) on the control box in order to hang it up while the Li-ion battery is charging

- ① Charge connector — Safety cap
- ② Charge connector — Release button
- ③ Plug
- ④ Control box — Indicator light
- (A) Hole for rope

4. When charging your LEAF:

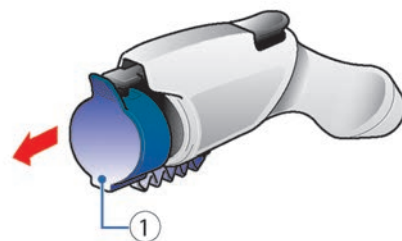
- i. **Normal charge with home charging unit:** Use the cable attached to your domestic charging station. If your domestic charging station requires the use of a Mode 3 cable, use your Mode 3 cable. Please refer to the operation

manual provided by the NISSAN-recommended partner that installed your domestic charging station for a description of the indicator lights that will illuminate.

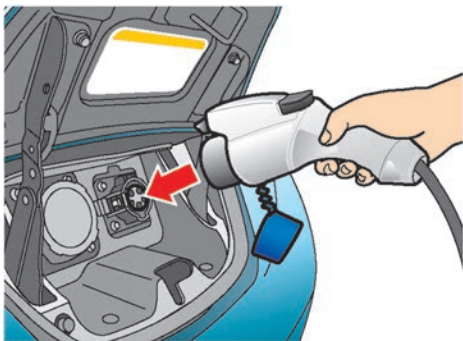
- ii. **Normal charge with NISSAN EVSE:** Use the NISSAN EVSE cable. Connect the plug to a suitable live electrical socket according to the technical guidelines. See “Technical guidelines for safe NISSAN EVSE use in domestic scenario” earlier in this section.

- iii. **Normal charge at a public charging station:** Use your Mode 3 cable or your NISSAN EVSE cable depending on the type of outlet you can see on the public charging station. If the public charging station has a domestic-type outlet then use your NISSAN EVSE cable. The green light on the EVSE control box will illuminate when power is available. See “NISSAN EVSE (Electric Vehicle Supply Equipment) cable control box indicator light” later in this section.

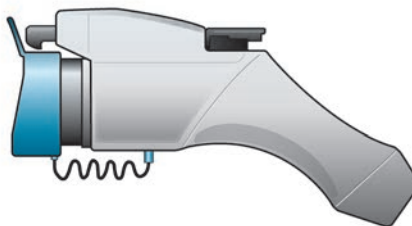
- 5. Open the charge port cap. See “Charge port cap” in the “3. Pre-driving checks and adjustments” section.



6. Remove the safety cap ① from the charge connector.

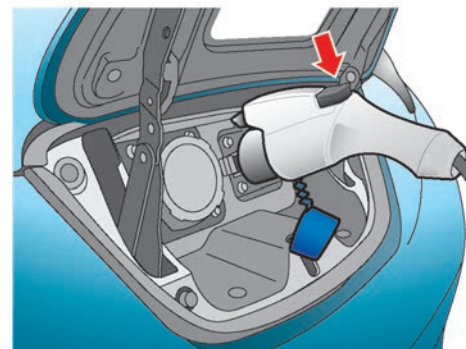


7. Connect the charge connector to the charge port. If it is connected correctly, a beep will sound once.
8. If charging has started, or if the Li-ion battery is waiting for the charging timer to start, a beep will sound twice and the charging status indicator light display will change. See  "Charging status indicator lights" later in this section.



9. The charge connector can be locked using the charge connector lock. See  "Charge connector lock switch" later in this section.

How to stop a normal charge

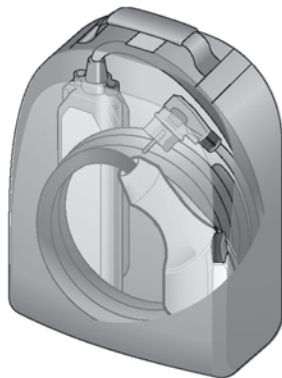


1. Press the button on the charge connector, release the lock and remove the charge connector from the charge port. If the charge connector lock operates, unlock the charge connector. See  "Charge connector lock switch" later in this section.

NOTE:

To stop charging mid-charge, remove the charge connector. Charging automatically stops.

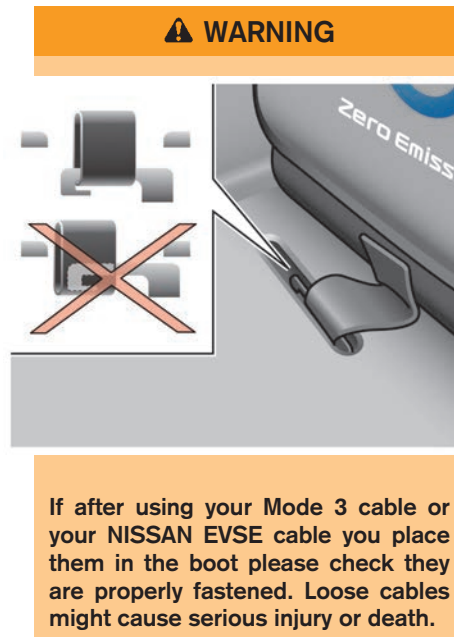
2. Attach the safety cap to the cable attached to your domestic charging station, to the Mode 3 cable, or to the NISSAN EVSE cable.
3. If you used the Mode 3 cable or the NISSAN EVSE cable remove the plug from the outlet side.



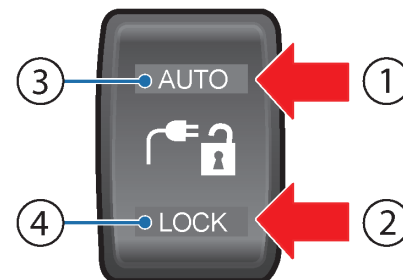
4. Store the charging cables appropriately.

NOTE:

To store the NISSAN EVSE cable: Wind the charge cable into a size that will allow it to be stored in the case. Place the EVSE control box followed by the cable into the case.



5. After closing the cap on the charge port, close the charge port lid.



CHARGE CONNECTOR LOCK SWITCH

The normal charge connector can be locked to the normal charge port. The charge connector lock mode can be selected by using the charge connector lock switch, AUTO, LOCK and UNLOCK.

NOTE:

- The charge connector lock can be activated when the shift lever is in the “P” position and the charge connector is connected. The charge connector lock will not be activated if the charge connector is not properly connected.

- **The charge connector lock is designed to be tamper resistant only. It is not an anti-theft device.**

AUTO mode

Use this mode when there is another vehicle waiting to charge while you are charging your vehicle, such as when charging your vehicle at a public charging station.

To select AUTO mode, push the AUTO side ① of the charge connector lock switch. The indicator light on the switch ③ will illuminate. When AUTO mode is selected, the charge connector is locked while charging is in process. The charge connector will be unlocked automatically when charging is completed.

LOCK mode

Use this mode when locking the charge connector for an extended period of time, such as when performing charging in a car port or a garage without a garage door.

To select the LOCK mode, push the LOCK side ② of the charge connector lock switch. The indicator light on the switch ④ will illuminate. When LOCK mode is selected, the charge connector will remain locked. The

charge connector will be unlocked when UNLOCK mode is selected or temporary unlock operation is performed.

UNLOCK mode

Use this mode when the lock function is not in use, such as when charging in a garage with a garage door, or at a public charging station where locking of the charge connector is prohibited.

To select UNLOCK mode, return the charge connector lock switch to the level position. Make sure the indicator light on the switch turns off.

When UNLOCK mode is selected, the charge connector will remain unlocked.

Temporary unlock position

When the charge connector lock switch is in the AUTO or LOCK position, the charge connector lock can be unlocked temporarily by using the Intelligent Key or the charge port lid opener switch.



Unlock operation using Intelligent Key:

1. Push the charge connector lock button on the Intelligent Key for more than 1 second.
2. The charging status indicator light flashes 3 times and a beep sounds 3 times. The charge connector lock is unlocked for 30 seconds.
3. After 30 seconds, the charge connector lock is locked.

The charge connector lock can also be unlocked for 30 seconds when unlocking a door or the tailgate. (In this case, the charging status indicator light does not operate.)

If the lock is operated again within 30 seconds after unlocking the door/tailgate, the charge connector lock is locked again.

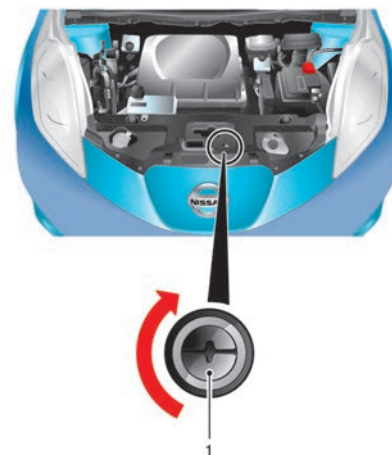


Unlock operation using charge port lid opener switch:

1. Push the charge port lid opener switch.
2. The charging status indicator light flashes 3 times and a beep sounds 3 times. The charge connector lock is unlocked for 30 seconds.
3. After 30 seconds, the charge connector lock is locked.

NOTE:

- Depending on the charging station, the lock mechanism established by local standards may not be compatible with your vehicle. It may not be possible for the charge connector to lock to your vehicle.
- When the power source is cut off while charging in AUTO mode, the connector will be continuously locked for 5 minutes, then it will be released.
- When timer charging is set with AUTO mode, the connector will not lock until charging is started.
- In AUTO mode, when the 12-volt battery is being charged, the charging connector lock will not lock.



CHARGE PORT UNLOCK SCREW

CAUTION

- Do not unlock the charge connector using ① when the charge connector lock is operated normally.

- Do not turn ① anticlockwise. This may cause damage to the charge connector.

If the charge connector can not be unlocked, proceed as follows:

1. Place power switch in the OFF position.
2. Open the bonnet.
3. Insert a suitable tool (a flat blade screwdriver 30 cm, 12 inches long) into ① that is located on the front of the bonnet lock.
4. Turn it clockwise to release the charge connector lock.
5. Remove the charge connector.

CHARGING METHODS

CHARGING TIMER

Use the charging timer to schedule when the Li-ion battery will be charged. The vehicle automatically starts charging at the scheduled times once the charge connector is connected to the vehicle. The timers do not need to be reset each time the Li-ion battery needs to be charged.

Models with EV (Electric Vehicle) navigation system

The charging timer can save two timer settings that include the charging start time and end time. The charging timer can be applied to one of the timer settings for each day of the week.

The vehicle automatically begins charging at the scheduled times when the charge connector is connected to the vehicle. The timers do not need to be reset each time the Li-ion battery needs to be charged.

1. Push <  > and touch [Charging Timer].



INFO:

Touch [Estimated Time] to view approximate time required to reach 100% charge.

2. Touch [Edit Schedule]. Timer charge setting screen is displayed.
3. Set preferred time and day of the week for vehicle charging.
4. After entering the information, touch [Save]. A confirmation screen is displayed.

5. Touch [OK] to confirm the setting, push the power switch to the OFF position, and then connect the charge connector to the vehicle.

Timer Charge setting screen:

Two different timer setting can be registered (one on the left side and another on the right side of the screen).



- ① Touch to turn the timer on/off. The indicator light will turn on when the timer setting is turned on.
- ② Indicates start/end time of the scheduled timer charge.

- ③ Touch corresponding keys to adjust the time setting.

[-]: Touch or touch and hold to decrease the time.

[+]: Touch or touch and hold to increase the time.

[✕]: Touch to delete the numbers entered in the corresponding column.

- ④ Touch the keys to set the days of the week you wish to start charging.
- ⑤ Touch to save the settings.

NOTE:

- Always place the power switch in the OFF position after setting the charging timers. When the power switch is in the ON position, the Li-ion battery will not start charging.
- When either the charge start time or charge end time is set, the charging timer function is activated.
- The Li-ion battery may not be charged to the expected level if the charging timer start time and end time are set so there is not enough time to charge the Li-ion battery.

- When only the charging timer end time is set, the system automatically determines when to start charging based on the Li-ion battery charge level. The Li-ion battery may not be charged to the expected level in the following conditions:
 - The Li-ion battery is charged in cold weather.
 - The charge connector is connected to the vehicle too close to the scheduled charging end time.
- When only the charging timer end time is set, the system automatically stops charging when the Li-ion battery is fully charged. Charging may stop before the scheduled end time.
- If the charging timer and A/C-Heater Timer (Climate Ctrl. Timer) are operating at the same time due to an overlap of the timer settings, you can prioritise which function receives electrical power first. See the separately provided EV (Electric Vehicle) navigation system owner's manual.
- When charging is set as the first priority, the A/C-Heater Timer (Climate Ctrl. Timer) does not start until 10 segments

(80%) of the Li-ion battery available charge gauge are illuminated.

- When climate control is set as the first priority, the climate control system will not operate until the remaining Li-ion battery power displayed in the meter is 2 segments (15 %) or higher.
- Even when the climate control is set as the first priority, the climate control system will be restricted when the climate control system consumes more electricity than the charging Li-ion battery.
- The Li-ion battery will not charge when the charge connector is connected to the vehicle until the next scheduled charge start time, when the charging timer is active. If necessary, use immediate charge or remote charge to charge the Li-ion battery.
- Some charging stations used to perform normal charge are equipped with timer functions. If the charger timer function and the vehicle timer are both set, and the two timers are not set to operate at the same time, it is possible that the charger will not start or the battery will not be charged to the level expected.
- If the Li-ion battery warmer (where fitted) is in operation when charging by setting both the Start time and End time with the Charging Timer, the Li-ion battery may not be charged to the amount that has been set.
- Even if the Li-ion battery warmer (where fitted) is in operation when charging by setting only the End time with the Charging Timer, as Li-ion battery charging will be completed by the End time, when the outside temperature is low, start the Li-ion battery charging early. In this case, if the Li-ion battery warmer did not operate, charging will be completed earlier than the End time.
- If the vehicle will not be used for a long period. Do not leave the vehicle connected to a power outlet with the charge timer activated. Repeated "waking" of the vehicle's systems to check the Li-ion battery charge can result in the 12 V battery becoming completely discharged.
- Charging timer is performed according to the current time setting on the bottom left of the display. When setting the charging timer function, be sure to check that the current time displayed is correct.
- To turn off the charging timer function, touch [ON] on the timer charge setting screen until the indicator lights are turned off. Touch [Save] to apply the change. If the settings shown on the screen are correct, touch [OK]. After this operation has been performed, the indicator disappears and the charging timer function is turned off. The start and stop time settings are not deleted, even if the charging timer function is turned off.
- If the day of the week is not selected on the timer charge setting screen, the charging timer will not operate on that day. The system will wait until the next set charging time to perform charging.

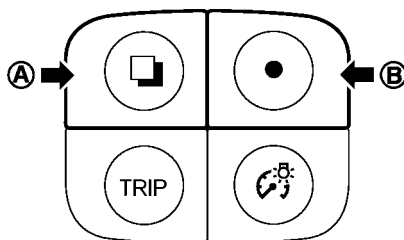
Models without EV (Electric Vehicle) navigation system

The charging timer can save end time setting using the trip computer.

NOTE:

- For the charging timer of models without navigation system, it only allows the time that the charging is to STOP to be set and does not allow the charge START time to be set.
- Set the charging end time. The vehicle automatically calculates when to start charging based on the condition of the power source and the estimated time required for charging to a full level.
- When the [Charging Timer] and the [Climate Ctrl. Timer] are set at the same time, the charging start time moves to an earlier time.
- Depending on the Li-ion battery condition and the power source status, charging may end earlier than the charging end time. This is not a malfunction.

To set the charging timer:



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

(A) switch

(B) switch



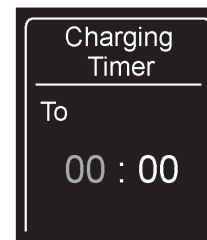
1. Select the setting mode.
2. Push the switch (B) to select the [Charging Timer] and push switch (A).



☐ Enter ☒ Change



☐ Enter ☒ Next



☐ Enter ☒ Change

3. Push the ☒ switch (B) if setting the charging timer.
4. Push the ☐ switch (A) to set the charging timer on or off.
 - Perform step 5 if [ON] is selected.
 - Perform step 6 if [OFF] is selected.
5. Push the ☒ switch (B) to adjust the time to stop charging and push the ☐ switch (A).
6. Push the ☐ switch (A) and the charging timer is set.

Immediate charge

When the charging timer is not turned on, charging automatically starts when a normal charge connector is connected to the vehicle.

Use the immediate charge mode any time you want to start charging immediately while a charging timer is turned on by performing the following:



1. Place the power switch in the OFF position.
2. Press the immediate charge button.

3. Connect the normal charge cable when the charging status indicator light changes to display immediate charge mode. See  "Charging status indicator lights" later in this section.

NOTE:

- **You have 15 minutes to connect a normal charge connector to the vehicle after the immediate charge button is pressed.** If a charge connector is not connected to the vehicle within 15 minutes, the vehicle automatically returns to the previous setting.
- **To cancel the immediate charge mode** press the immediate charge button again before connecting the charge cable.
- **If the charge cable is disconnected, the Li-ion battery automatically switches to charging timer.** To perform an immediate charge again, press the immediate charge button and connect the charge cable.
- **If the charge cable is already connected, press the immediate charge button to start performing an immediate charge.**

CHARGING RELATED REMOTE FUNCTION (models with EV (Electric Vehicle) navigation system)

This vehicle incorporates a communication device that is called a TCU (Telematics Communication Unit). The communication connection between this unit and the NISSAN Data Centre allows for various remote function services.

- **Li-ion battery status check:**
The charging status of the Li-ion battery can be checked using your personal computer or internet enabled smart phone even if you are not in the vehicle.
- **Remote charge, Remote climate control:**
The function of starting the Li-ion battery charging or starting the heater and air conditioner is available using your personal computer or internet enabled smart phone.
- **Unplugged status, Charge status:**
By registering frequently used charging stations, notifications can be sent to your personal computer or mobile phone e-mail address to inform you when the charging connector is disconnected at those locations or charging is completed.

- **Li-ion battery warmer status (where fitted):**

When the ambient temperature is low, the Li-ion battery warmer operates automatically. Notifications will be sent to your personal computer or cellular phone e-mail address under the following conditions in order to remind you to connect the charging connector.

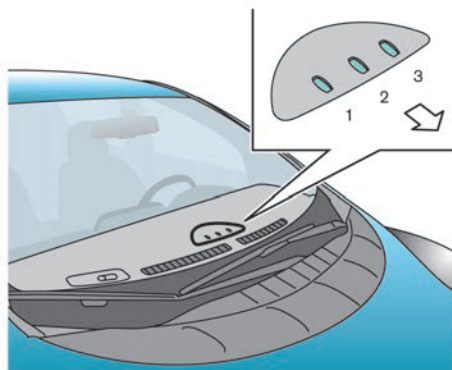
- Approximately 5 minutes after the Li-ion battery warmer starts operating while the power switch is in the OFF position and the charge cable is not connected to the vehicle.
- Approximately 5 minutes after the Li-ion battery warmer stops operating due to low remaining Li-ion battery power while the power switch is in the OFF position and the charge cable is not connected to the vehicle.

NOTE:

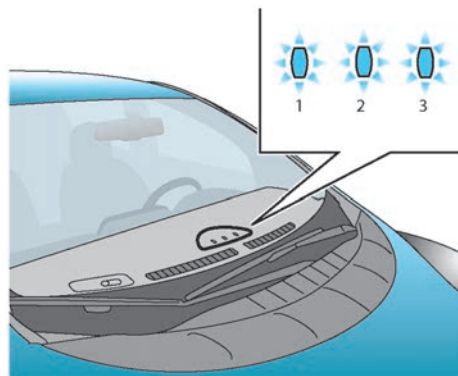
- **Establishing the NissanConnect EV service is necessary before using this service. See the separately provided EV (Electric Vehicle) navigation system owner's manual.**
- **To check the Li-ion battery charging status using an internet enabled smart phone or personal computer, the following conditions must be met:**
 - The vehicle must be located in a mobile phone coverage area.
 - The mobile phone must be located in an area with mobile phone coverage.
 - If using a computer, the computer must be connected to the internet.
 - Some mobile phones are not compatible and cannot be used to check the Li-ion battery charging status. Please confirm beforehand.
- **Certain remote functions require a compatible smart phone that is not supplied with vehicle.**
- **NissanConnect EV information system features are included through a subscription service which requires owner consent to activate. The subscription must be active to use these features.**
- **NissanConnect EV communications may be received at a verified e-mail address or by SMS/text messaging-enabled mobile phone.**
- **Standard text message rates and/or data usage fees may apply depending on your carrier.**

CHARGING RELATED INDICATOR LIGHTS

CHARGING STATUS INDICATOR LIGHTS



The charging status indicator lights ① to ③ primarily display the charging status, and are visible from both inside and outside the vehicle.



When the normal charge connector lock is unlocked

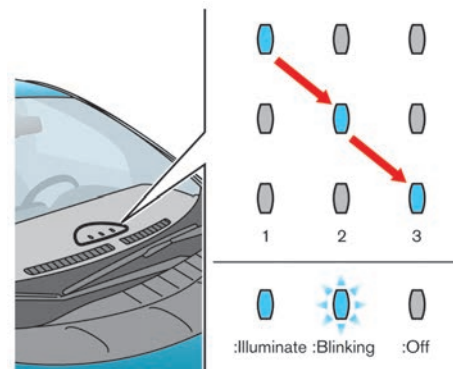
All of the indicator lights, ① to ③, will flash and a beep will sound three times when the normal charge connector lock switch on the Intelligent Key or the charge port lid opener switch is pushed.

When the normal charge connector is connected incorrectly

All of the indicator lights, ① to ③, will flash and a beep will sound three times within 30 seconds when the charge connector is connected incorrectly to the normal charge port.

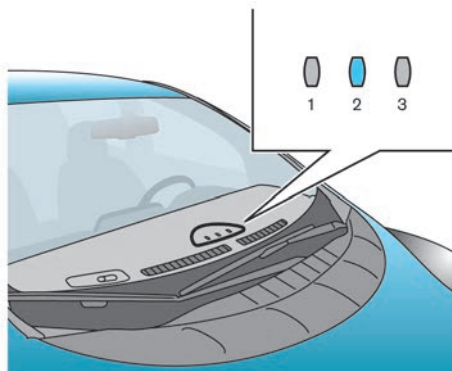
The charging cannot be performed in this condition.

Ready for charging timer



If the charging timer is set, the indicator lights illuminate, in order from ① to ③. The indicator lights turn off after approximately 5 minutes.

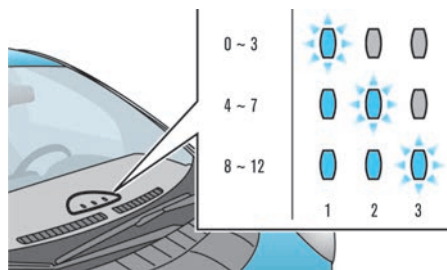
Ready for immediate charge



When the power switch is off and if the immediate charge button is pressed while the charge cable is not connected, the indicator light ② illuminates, indicating the vehicle is ready for immediate charge.

You then have 15 minutes to connect the charge connector to the vehicle. If the charge connector is not connected within 15 minutes, the indicator light ② turns off and you must start the immediate charge mode again to charge the Li-ion battery.

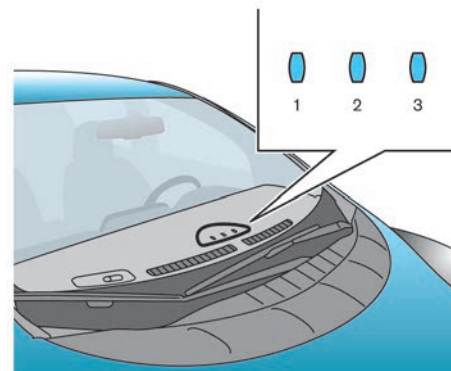
When charging



When the Li-ion battery is being charged, the charging status indicator lights will change depending on the amount the Li-ion battery is charged.

*: This value is also displayed by the illumination of segments of the Li-ion battery available charge gauge on the instrument panel.

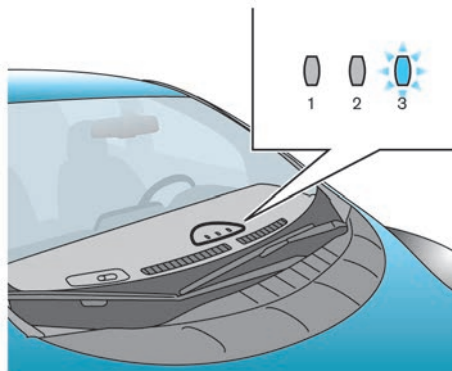
When fully charged



All of the indicator lights ① to ③ illuminate when the Li-ion battery is fully charged.

The indicator lights turn off after approximately 5 minutes or when the charge connector is removed.

When the indicator light ③ flashes



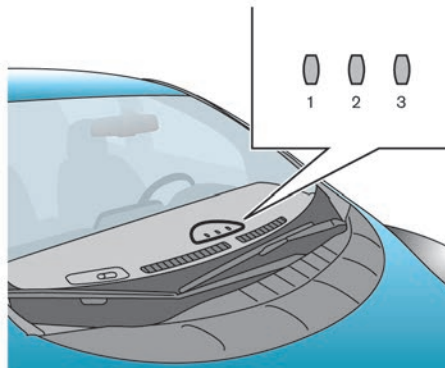
The indicator light ③ flashes when the 12-volt battery is being charged. See  “Charging the 12-volt battery” in the “EV. Electric vehicle overview” section.

The indicator will also flash for up to 5 minutes if the electrical power to the EVSE is interrupted during charging. Charging will restart automatically when the electrical power to the EVSE is restored if the charging connector is connected. The charge start beep will not sound when charging restarts.

The indicator will also flash when the following systems are operating:

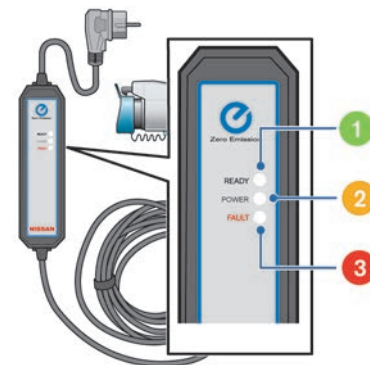
- Climate Ctrl. Timer
- Remote climate control (models with navigation system)
- Li-ion battery warmer (where fitted)

When not charging



None of the lights are illuminated when the Li-ion battery and 12-volt battery are not charging.

NISSAN EVSE (ELECTRIC VEHICLE SUPPLY EQUIPMENT) CABLE CONTROL BOX INDICATOR LIGHT



- ① READY: GREEN
- ② POWER: ORANGE
- ③ FAULT: RED

When using the NISSAN EVSE cable the charging status as well as any EVSE malfunction can be checked with the indicator lights on the EVSE control box.

READY	POWER	FAULT	Explanation
 0.5 Sec	 0.5 Sec	 0.5 Sec	All indicator lights will illuminate for a 0.5 second check when the EVSE is first connected to the outlet socket.
	OFF	OFF	The EVSE is connected to the outlet socket. If the Normal Charge Connector is connected to the vehicle Normal Charge Port, then charging is complete or the charge timer is set (refer to Owner's Manual for details on charge timer setting and functions).
		OFF	The EVSE is charging the vehicle.
OFF	OFF	OFF	No power is detected by the EVSE from the outlet socket. Check the outlet supply breaker. If the outlet supply is OK and EVSE lights do not illuminate for 0.5 second check then EVSE may be broken. Stop use and immediately contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.
 (Flashing)		OFF	The EVSE could not detect sufficient Outlet Outlet Socket Earth grounding for reliable EV charging. Consult a qualified electrician to have the outlet checked according to NISSAN recommendations in the Leaf Owner's Manual.
 (Flashing)	OFF	OFF	
 (Flashing)	 (Flashing)	 (Flashing)	The EVSE detected excessive heat in the plug and is regulating charging to minimise the possibility of damage. Power Light status, Light OFF = Charge stopped, Flashing = Charge power reduced, Light ON = Charge continued under monitor. Stop using the outlet and consult a qualified electrician to have the outlet checked according to NISSAN recommendations in the Leaf Owner's Manual. If the same indication continues after checking the outlet, contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer for further advice.
 (Flashing)		 (Flashing)	
 (Flashing)	OFF	 (Flashing)	
OFF	OFF		The EVSE has malfunctioned. Stop use immediately and contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.
OFF			
OFF	OFF	 (Flashing)	The EVSE detected leakage current or PWM signal error. Stop using the EVSE immediately. Please contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer and check EVSE and vehicle.

CHARGING TROUBLESHOOTING GUIDE

Symptom	Possible cause	Possible solution
Charging cannot be performed.	The vehicle power switch is in the ON position.	Before charging, place the vehicle power switch in the OFF position.
	Both the normal charge connector and the quick charge connector are connected at the same time.	The normal charge and the quick charge cannot be operated at the same time.
	The Li-ion battery is already charged to the charge amount that has been set.	Charging cannot be performed if the Li-ion battery is already charged to the charge amount that has been set. Charging automatically turns off if the Li-ion battery is charged to the charge amount that has been set.
	The temperature of the Li-ion battery is too high or low to charge.	Confirm the Li-ion battery temperature by checking the Li-ion battery temperature gauge. If the gauge indicates the Li-ion battery is too hot (red zone) or too cold (blue zone), charging may not be possible. Allow the Li-ion battery to cool down or warm up before charging. See  "Li-ion battery temperature gauge" in the "2. Instruments and controls" section.
	The 12-volt battery is discharged.	The Li-ion battery cannot be charged if the vehicle electrical systems cannot be turned on. If the 12-volt battery is discharged, charge or jump start the 12-volt battery. See  "Jump starting" in the "6. In case of emergency" section.
	The vehicle has a malfunction.	The vehicle or charger may have a malfunction. Confirm if the warning light on the meter is illuminated. Confirm if the indicator on the charger is indicating a malfunction. If a warning is displayed, stop charging and contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.
Normal charge cannot be performed.	There is no electrical power coming from the outlet.	Confirm that there has not been a power failure. Make sure the circuit breaker is active. If an outlet with a timer device installed is used, power will only be available at the time set by the timer.
	The electrical plug is not connected correctly.	Confirm the electrical plug is connected correctly.
	The charge connector is not connected correctly.	Confirm the charge connector is connected correctly.
Immediate charge cannot be performed.	Charging timer has been set.	Turn off the charging timer. See  "Charging timer" earlier in this section.

Symptom	Possible cause	Possible solution
Timer charging cannot be performed.	The charge cable is not connected.	Connect the charge cable.
	The time on the clock is wrong.	The charging timer does not start charging based on the clock located on the upper vehicle information display. Confirm that the date and time shown on the charging timer screen are the same as the GPS time and date. If the 12-volt battery is discharged or if the Li-ion battery is disconnected, the time setting must be updated. There must be a GPS signal to adjust the clock setting that is used by the charging timer.
	The immediate charge button has been pushed.	Charging timer does not operate when immediate charge is selected.
	Charging timer has not been set.	Set the charging timer schedule. See  "Charging timer" earlier in this section.
	Charging does not start because the charging timer start time and end time are set and the current time is before the set start time.	Confirm when the charging timer time is set to start charging. Change the charging timer setting to the desired charge time or press the immediate charge button. See  "Charging timer" earlier in this section.
	Charging does not start because only the charging timer start time is set and the current time is after the set start time.	
	Charging does not start because only the charging timer end time is set and the current time is after the set end time.	
Remote charge cannot be performed.	The charge cable is not connected.	Connect the charge cable.
	Communication with the vehicle cannot be established.	Confirm that there is a mobile signal in your location. Remote charge cannot be started unless the web enabled smart phone can connect to the internet.
		Confirm that there is a mobile signal at the vehicle location. If the power switch is in the OFF position for more than 2 weeks, the remote charge function can no longer be used until power switch is in the ON position.

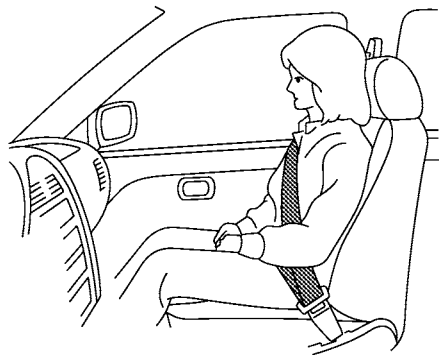
Symptom	Possible cause	Possible solution
Normal charge stops during charging.	There is no power coming from the outlet.	There may have been an electrical power failure, or the circuit breaker may have failed. Charging will resume when the power source is reset.
	The charge cable has been disconnected.	Check that the charge cable has not been disconnected.
	The release switch has been pressed.	If the charge connector button is pressed for a long period of time, charging will be stopped.
	Both the normal charge connector and the quick charge connector were connected at the same time.	If the normal charge connector and the quick charge connector are connected at the same time, charging will be stopped.
	Charging timer end time has been reached.	When the charging timer is set and the charge end time is reached, charging will be stopped, even if the Li-ion battery is not fully charged.
	The temperature of the Li-ion battery is too high or low to charge.	Confirm the Li-ion battery temperature by checking the Li-ion battery temperature gauge. If the gauge indicates the Li-ion battery is too hot (red zone) or too cold (blue zone), charging may not be possible. Allow the Li-ion battery to cool down or warm up before charging. See  "Li-ion battery temperature gauge" in the "2. Instruments and controls" section.
Quick charge cannot be performed.	Check that the charge connector is connected correctly and that it is locked.	Check that the charge connector is connected correctly and that it is locked.
	The self-diagnostic function of the quick charge device returns a negative result.	There is a possibility that the vehicle has a malfunction. Stop charging and contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.
	The power switch of the quick charger is off.	Check the power switch of the quick charger.
Quick charge stops during charging.	Charging is stopped by the quick charge timer.	Charging will stop depending on the timer function setting of the quick charge device. If you need to charge the Li-ion battery more, start the charging procedure again.
		The maximum time for quick charge is 30 - 60 minutes. If you need to charge the Li-ion battery for longer than this, start the charging procedure again.
	The power supply for the quick charger is off.	Check whether the power supply for the quick charger is off.
	Both the normal charge connector and the quick charge connector were connected at the same time.	If the normal charge connector and the quick charge connector are connected at the same time, charging will be stopped.
	The temperature of the Li-ion battery is too high or low to charge.	Confirm the Li-ion battery temperature by checking the Li-ion battery temperature gauge. If the gauge indicates the Li-ion battery is too hot (red zone) or too cold (blue zone), charging may not be possible. Allow the Li-ion battery to cool down or warm up before charging. See "Li-ion battery temperature gauge" in the "2. Instruments and controls".

NOTE

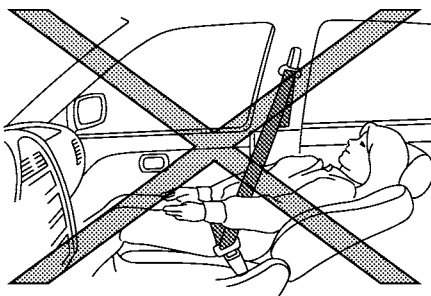
1 Safety — seats, seat belts and supplemental restraint system

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SEATS



Sit upright and well back



⚠ 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  "Precautions on seat belt usage" later in this section.

- 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 be-

come high enough to cause a significant risk of injury or death to people and pets.

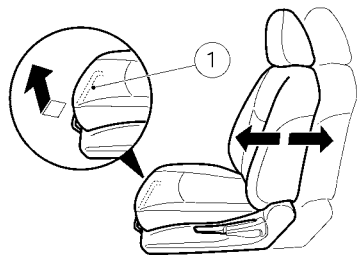
- The seatback should not be reclined any more than needed for comfort. Seat belts are most effective when the passenger sits well back and upright in the seat. If the seatback is reclined, the risk of sliding under the lap belt and being injured is increased.
- When moving the seats forward and rearward or returning a rear-reclined seatback to its upright position, make sure you hold onto the seatback with your hand while operating. If the seatback is not held, the seat will move suddenly and could cause injury.

⚠ CAUTION

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

FRONT SEATS

Front manual seat adjustment



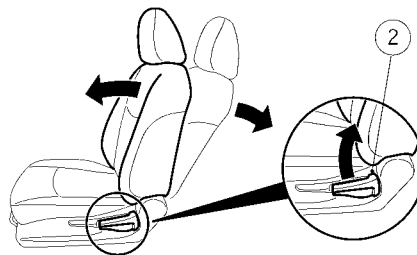
Forward and backward:

Pull the lever ① up and hold it while sliding the seat forward or backward to the preferred position. Release the lever to lock the seat in position.

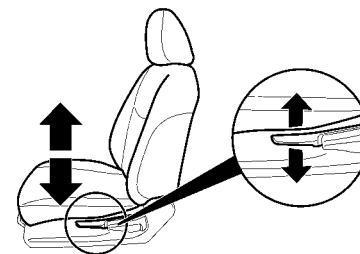
Reclining:

To recline the seatback, pull the lever ② up and lean back. To bring the seatback forward, pull the lever up and lean your body forward. Release the lever to lock the seatback in position.

The reclining feature allows adjustment of the seatback for occupants of different sizes for added comfort and to help obtain proper seat



Seat lifter (for driver's seat):

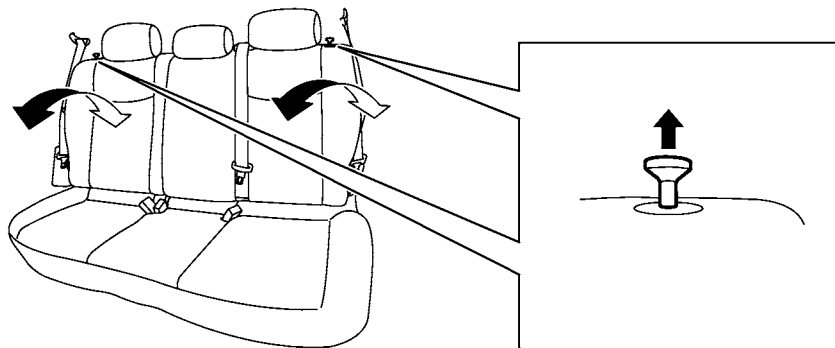


Lift or lower the seat to the preferred position.

belt fit. See  "Precautions on seat belt usage" later in this section. Also, the seatback can be reclined to allow occupants to rest when the vehicle is stopped and the vehicle is in the P (Park) position or N (Neutral) position with the parking brake applied.

REAR SEATS

Folding



Before folding the rear seats:

- Secure the seat belts on the seat belt hooks located on the side wall. (See  "Seat belt hooks" later in this section.)

To fold down the seatback, pull the release knob.

To return the seatback to the seating position, lift up each seatback and push it to the upright position until it is latched.

WARNING

- Do not fold down the rear seats when occupants are in the rear seat area or any objects are on the rear seats.
- Never allow anyone to ride in the cargo area or on the rear seats when they are 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.

- Properly secure all cargo with ropes or straps 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.
- When returning the seatbacks to the upright position, be certain they are completely secured in the latched position. If they are not completely secured, passengers may be injured in an accident or sudden stop.

HEAD RESTRAINTS

WARNING

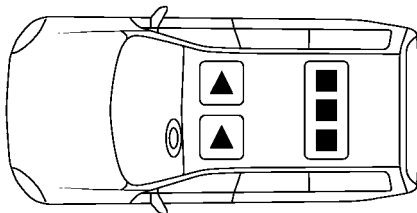
Head restraints supplement the other vehicle safety systems. They may provide additional protection against injury in certain rear end collisions. Adjust the head restraints properly, as specified in this section. Check the adjustment after someone else has used the seat. Do not attach anything to the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

ADJUSTABLE HEAD RESTRAINTS

WARNING

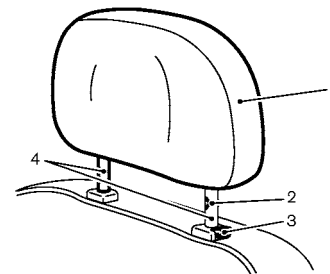
The adjustable head restraints supplement the other vehicle safety systems. They may provide additional protection against injury in certain rear end collisions. Adjust the head restraints properly, as specified in this section. Check

the adjustment after someone else has used the seat. Do not attach anything to the adjustable head restraint stalks or remove the adjustable head restraint. Do not use the seat if the adjustable head restraint has been removed. If the adjustable 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 adjustable head restraints. This may increase the risk of serious injury or death in a collision.



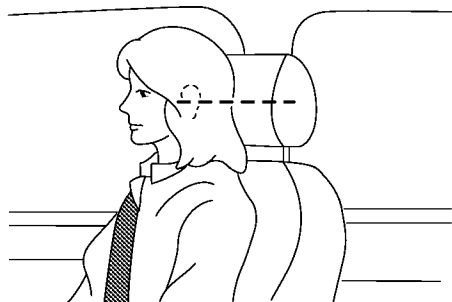
The illustration shows the seating positions equipped with adjustable head restraints.

Components

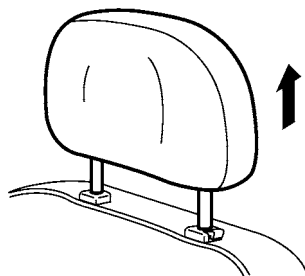


1. Adjustable head restraint
2. Adjustment notch
3. Lock knob
4. Stalks

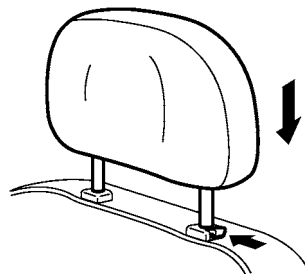
Adjustment



Adjust the head restraint so the centre is level with the centre of your ears.

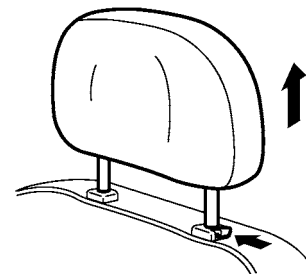


To raise the head restraint, pull it up.



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

Removal



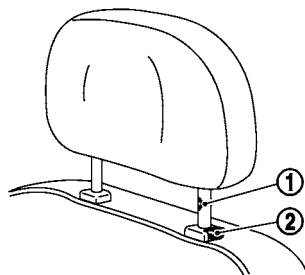
Use the following procedure to remove the adjustable head restraints:

Before removing the head restraints, fold down the seatback. ( "Folding" earlier in this section.)

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.

Installation



Before installing the head restraints, fold down the seatback. (See  "Folding" earlier in this section.)

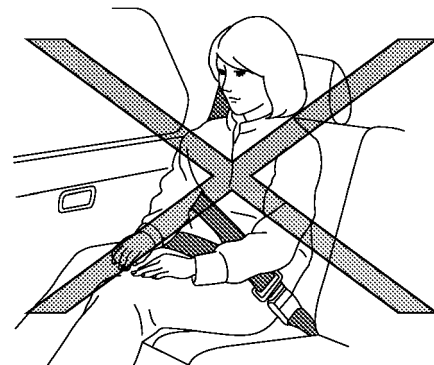
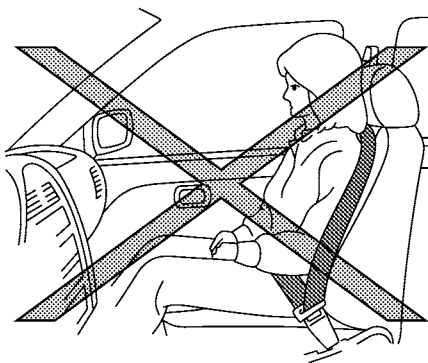
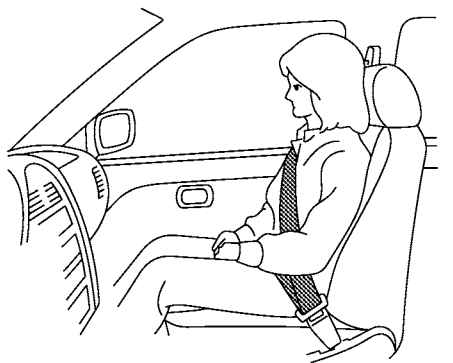
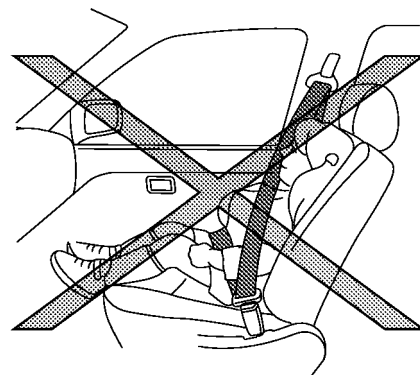
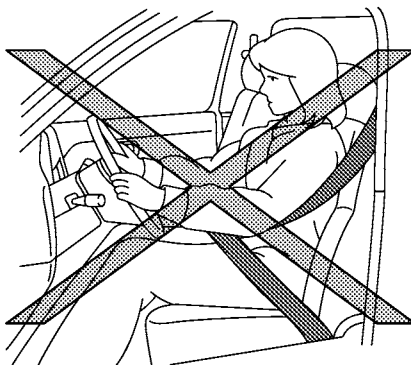
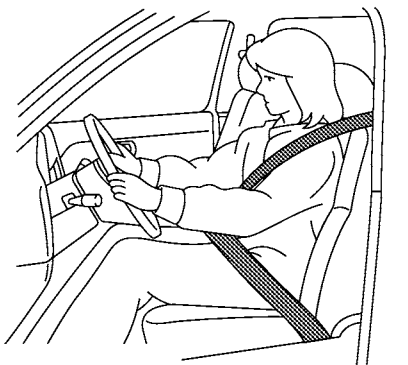
1. Align the head restraint stalks with the holes in the seat. Make sure that the head restraint is facing the correct direction. The stalk with the adjustment notch (1) must be installed in the hole with the lock knob (2).

2. Push and hold the lock knob and push the head restraint down.
3. Properly adjust the head restraint before an occupant uses the seating position.

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.



WARNING

- Every person who drives or rides in this vehicle should use a seat belt at all times. Children should be in the rear seats and in an appropriate 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.

- 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.
- If the seat belt warning light illuminates continuously while the power switch is turned ON with all doors closed and all seat belts fastened, it may indicate a malfunction in the system. Have the system checked by a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.
- 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 activated, it cannot be reused and must be replaced together with the retractor. See a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.
- Removal and installation of the pre-tensioner system components should be done by a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.
- All seat belt assemblies, including retractors and attaching hardware, should be inspected by a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer 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.

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, depending on the injury. Check with your doctor for specific recommendations.

THREE-POINT TYPE SEAT BELT WITH RETRACTOR

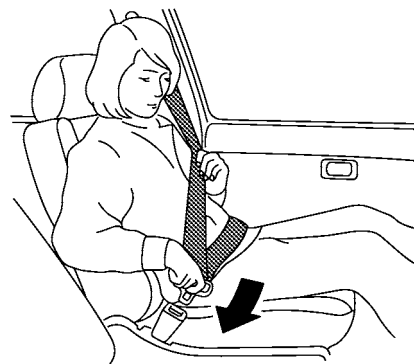
⚠ WARNING

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

Fastening the seat belts

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.

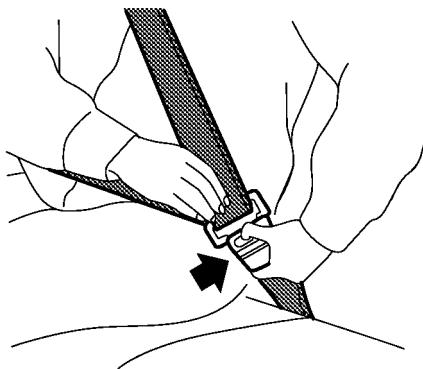


- The retractor is designed to lock during a sudden stop or on impact. A slow pulling motion permits the belt to move and allows you some freedom of movement in the seat.
 - If the seat belt cannot be pulled from its fully retracted position, firmly pull the belt and release it. Then smoothly pull the 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 across your chest.

Unfastening the seat belts



To unfasten the seat belt, push the button on the buckle. The seat belt automatically retracts.

Checking seat belt operation

Seat belt retractors are designed to lock seat belt movement by two separate methods:

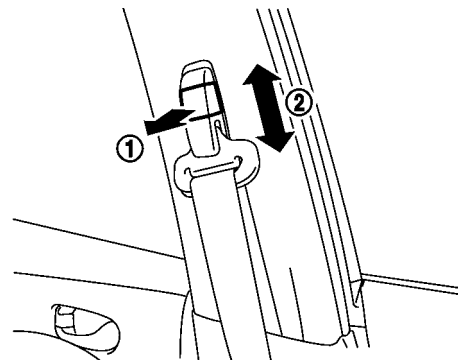
- When the belt is pulled quickly from the retractor.
- When the vehicle slows down rapidly.

To increase your confidence in the seat belts, check the operation as follows:

- Grasp the shoulder belt and pull forward quickly. The retractor should lock and restrict further belt movement.

If the retractor does not lock during this check or if you have any questions about seat belt operation, see a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

Shoulder belt height adjustment (for front seats)



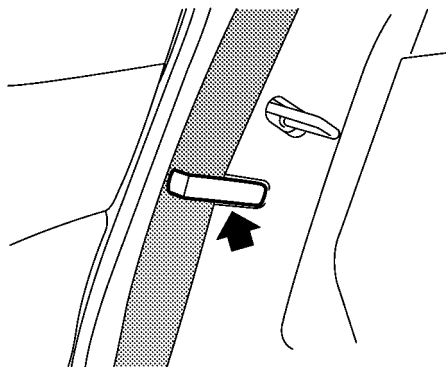
The shoulder belt anchor height should be adjusted to the position that is best for you. (See  "Precautions on seat belt usage" earlier in this section.)

To adjust, pull the adjustment button ①, and then move the shoulder belt anchor to the preferred position ② so that the belt passes over the centre of the shoulder. The belt should be away from your face and neck, but not falling off of your shoulder. Release the adjustment button to lock the shoulder belt anchor into position.

WARNING

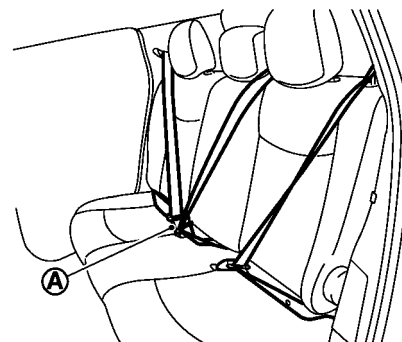
- After adjustment, release the adjustment button and then try to move the shoulder belt anchor up and down to make sure that it is securely fixed in position.
- The shoulder belt anchor height should be adjusted to the position that is best for you. Failure to do so may reduce the effectiveness of the entire restraint system and increase the chance or severity of injury in an accident.

Seat belt hooks



When the rear seat belts are not in use or when folding down the rear seats, hook the rear outer seat belts on the seat belt hooks.

Centre of rear seat



Selecting the correct seat buckle:

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.

SEAT BELT MAINTENANCE

- **To clean the seat belt webbing**, apply a mild soap solution or any solution recommended for cleaning upholstery or carpets. 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.
- **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.
- **Periodically check to see that the seat belt and the metal components**, such as buckles, tongues, retractors, flexible wires and anchors, work properly. If loose parts, deterioration, cuts or other damage on the webbing is found, the entire seat belt assembly should be replaced.

CHILD SAFETY

Children need adults to help protect them.

They need to be properly restrained

In addition to the general information in this manual, child safety information is available from many other sources, including doctors, teachers, government traffic safety offices, and community organizations. Every child is different, so be sure to learn the best way to transport your child.

There are two basic types of child restraint system:

- Rear-facing child restraints
- Front-facing child restraints

The proper restraint depends on the child's size. Generally, infants (up to about 1 year and less than 9 kg) should be placed in rear-facing child restraints. Front-facing child restraints are available for children who outgrow rear-facing child restraints and are at least 1 year old.

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 hip

bones. In an accident, an improperly fitting seat belt could cause serious or fatal injury. Always use appropriate child restraints.

A child restraint may be secured in the vehicle by using either the ISOFIX child restraint system or with the vehicle seat belt. See  "Child restraints" later in this section for more information.

NISSAN recommends that all pre-teens and children be restrained in the rear seat. According to accident statistics, children are safer when properly restrained in the rear seat than in the front seat.

This is especially important because your vehicle has a supplemental restraint system (air bag system) for the front passenger. (See  "Supplemental Restraint System (SRS)" later in this section.)

WARNING

Never let a child stand or kneel on any seat and do not allow a child in the cargo areas while the vehicle is moving. The child could be seriously injured or killed in an accident or sudden stop.

INFANTS

Infants up to at least 1 year old should be placed in a rear-facing child restraint. You should choose a child restraint that fits your vehicle and always follow the manufacturer's instructions for installation and use.

SMALL CHILDREN

Children that are over 1 year old and weigh at least 9 kg can be placed in a front-facing child restraint. Refer to the manufacturer's instructions for minimum and maximum weight and height recommendations. You should choose a child restraint that fits your vehicle and always follow the manufacturer's instructions for installation and use.

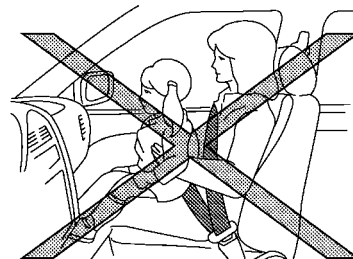
LARGER CHILDREN

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 system available for larger children that should be used for maximum protection.

CHILD RESTRAINTS

PRECAUTIONS ON CHILD RESTRAINTS



WARNING

- Infants and small children should never be carried on your lap. It is not possible for even the strongest adult to resist the forces of a severe accident. The child could be crushed between the adult and parts of the vehicle. Also, it is dangerous to put a seat belt around a child being carried on the occupant's lap.

- Infants and children need special protection. The vehicle's seat belts may not fit them properly. The shoulder belt may come too close to the face or neck. The lap belt may not fit over their small hip bones. In an accident, an improperly fitting seat belt could cause serious or fatal injury.
- Infants and small children should always be placed in an appropriate child restraint system while riding in the vehicle. Failure to use a child restraint system can result in serious injury or death.
- Child restraint systems specially designed for infants and small children are available from several manufacturers. When selecting any child restraint systems, place your child in the child restraint system and check the various adjustments to be sure that the child restraint system is compatible with your child. Always follow the manufacturer's instructions for installation and use.
- NISSAN recommends that the child restraint system be installed in the rear seat. According to accident sta-

tistics, children are safer when properly restrained in the rear seat rather than in the front seat.

- Follow all of the child restraint system manufacturer's instructions for installation and use. When purchasing a child restraint system, be sure to select one which will fit your child and vehicle. It may not be possible to properly install some types of child restraint systems in your vehicle.
- For a front-facing child restraint system, check to make sure the shoulder belt does not fit close to child's face or neck. If it does, put the shoulder belt behind the child restraint system.
- Never install a rear-facing child restraint system in the front seat. An inflating supplemental front-impact air bag could seriously injure or kill your child. A rear-facing child restraint system must only be used in the rear seat.
- Adjustable seatbacks should be positioned to fit a child restraint system, but as upright as possible.

- If the seat belt in the position where a child restraint system is installed requires a locking clip and if it is not used, injuries could result from a child restraint system tipping over during normal vehicle braking or cornering.
- After attaching a child restraint system, test it before you place the child in it. Tilt it from side to side. Try to tug it forward and check if it is held securely in place. The child restraint system should not move more than 25 mm (1 in). If the restraint is not secure, tighten the belt as necessary, or install the restraint in another seat and test it again.
- Check the child restraint system in your vehicle to be sure that it is compatible with the vehicle's seat belt system.
- If a child restraint system is not anchored properly, the risk of a child being injured in a collision or a sudden stop greatly increases.
- Improper use of a child restraint system can increase the risk or severity of injury for both the child and other occupants in the vehicle.

- Always use an appropriate child restraint system. An improperly installed child restraint system could lead to serious injury or death in an accident.
- When the child restraint system is not in use, keep it secured with the ISOFIX child restraint system or a seat belt to prevent it from being thrown around in case of a sudden stop or accident.

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

CAUTION

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

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

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

- Choose a child restraint that complies with the latest European safety standard, ECE Regulation 44.04
- Place your child in the child restraint and check the various adjustments to be sure the child restraint is compatible with your child. Always follow all of the recommended procedures.
- Check the child restraint in your vehicle to be sure it is compatible with vehicle's seat belt system.
- Refer to the tables later in this section for a list of the recommended fitment positions and the approved child restraints for your vehicle.

Approved child restraint positions (without ISOFIX)

Weight group	Seating position			
	Front passenger seat (with deactivated front passenger air bag ONLY)	Rear		
		Right	Centre	Left
0+ (< 13 kg)	L*	U*	X	U*
I (9 to 18 kg)	L	U	L	U
II / III (15 to 36 kg)	L	U	X	U

U: Suitable for "Universal" category - child restraints - approved for use in this weight group.

X: Not suitable for a child restraint system.

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

*: Rear facing only

List of approved child restraints (without ISOFIX)

Weight group	Name of CRS	Facing position	Category
0+ to 13 kg	Britax/RÖMER BABY-SAFE	Rear-facing	Universal
9 to 18 kg	Britax/RÖMER KING PLUS	Front-facing	Universal
15 to 36 kg	Britax/RÖMER KID	Front-facing	Universal

Approved child restraint positions (with ISOFIX)

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

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

IUF: Suitable for "Universal" category - forward facing child restraints - approved for use in this weight group.

IL: Suitable for particular ISOFIX child restraint systems (CRS) given in the following table.

These ISOFIX CRS are those of the "specific vehicle", "restricted" or "semi-universal" categories.

X: Seat position not suitable for restraints in this weight group.

List of approved ISOFIX child restraints

Weight group	Size class	Name of CRS	Fixture of CRS	Facing position	Category
0 - 18 kg	C	Fair G 0/1S	ISO/R3_support frame (type A)	Rear facing	Semi-universal
9 - 18 kg	B1	Britax/RÖMER DUO plus	ISO/F2X top tether	Front facing	Universal

WARNING

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

NOTE:

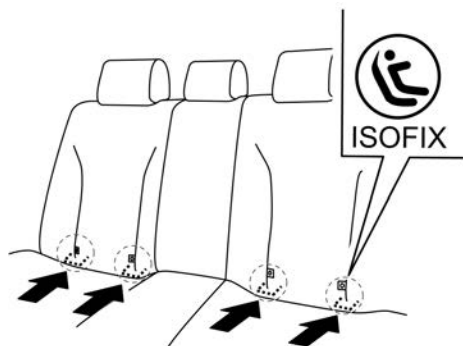
Child restraints approved to ECE Regulation NO. 44.04 are clearly marked with the categories such as Universal, Semi-universal or ISOFIX.

ISOFIX CHILD RESTRAINT SYSTEM

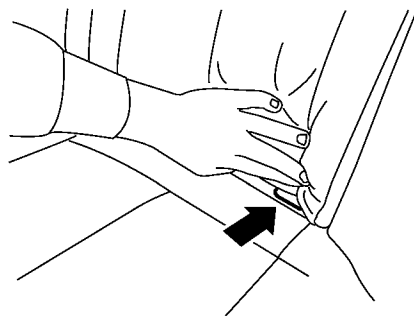
Your vehicle is equipped with special anchor points that are used with ISOFIX child restraint systems.

ISOFIX lower anchor point locations

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



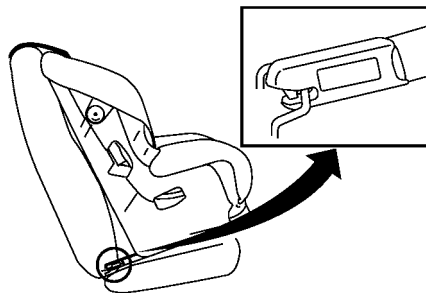
ISOFIX label location



ISOFIX lower anchor location

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

ISOFIX child restraint anchor attachments



Anchor attachment

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

tion 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  "ISOFIX child restraint system" later in this section.

CHILD RESTRAINT ANCHORAGE

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

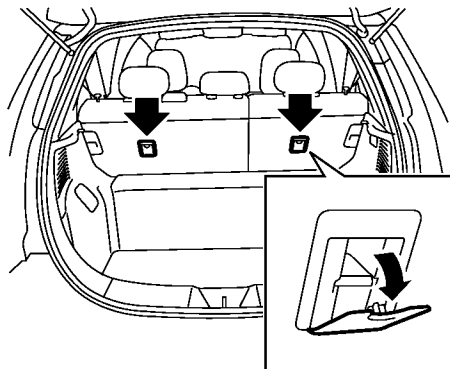
WARNING

- **Child restraint anchorages are designed to withstand only those loads imposed by correctly fitted child restraints. Under no circumstances are they to be used to attach adult seat belts, or other items or equipment to the vehicle. Doing so could damage the child restraint anchorages. The child restraint will not prop-**

erly 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 or items in the luggage area. Remove the tonneau cover from the vehicle or secure it and any luggage. Your child could be seriously injured or killed in a collision if the top tether strap is damaged.

Anchorage location



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

CHILD RESTRAINT INSTALLATION USING ISOFIX

WARNING

- Attach ISOFIX child restraints only at the specified locations. For the ISOFIX lower anchor locations, see  "ISOFIX lower anchor point locations" 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

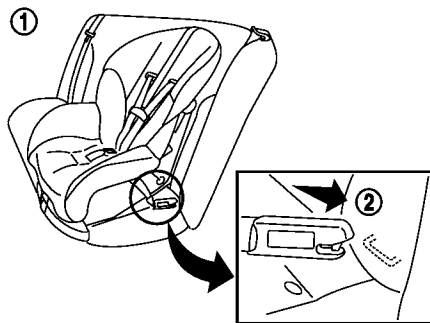
anchors, such as seat belt webbing or seat cushion material. The child restraint will not be secured properly if the ISOFIX anchors are obstructed.

- 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, or other items or equipment to the vehicle. Doing so could damage the child restraint anchorages. The child restraint will not properly installed using the damaged anchorage, and a child could be seriously injured or killed in a collision.

Installation on rear outboard seats

Front-facing:

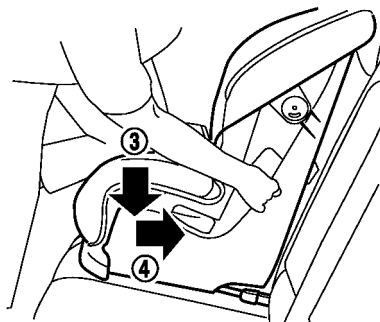
Be sure to follow the manufacturer's instructions for the proper use of your child restraint. Follow these steps to install a front-facing child restraint on the rear outboard seats using ISOFIX:



Steps 1 and 2

1. Position the child restraint on the seat ①.
2. Secure the child restraint anchor attachments to the ISOFIX lower anchors ②.
3. The back of the child restraint should be secured against the vehicle seat back. If necessary, adjust or remove the head re-

straint to obtain the correct child restraint fit. (See  "Head restraints" earlier in this section.) If the head restraint is removed, store it in a secure place. Be sure to install the head restraint when the child restraint is removed. If the seating position does not have an adjustable head restraint and it is interfering with the proper child restraint fit, try another seating position or a different child restraint.

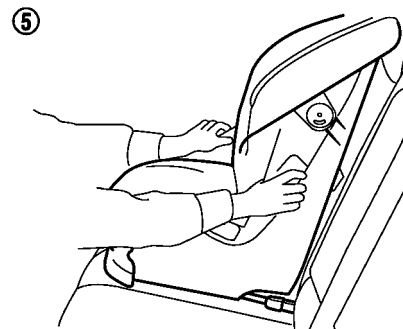


Step 4

4. Shorten the rigid attachment to have the child restraint firmly tightened; press down-

ward ③ and rearward ④ firmly in the centre of the child restraint with your knee to compress the vehicle seat cushion and seatback.

5. If the child restraint is equipped with a top tether strap, route the top tether strap and secure the tether strap to the tether anchor point. (See  "Child restraint anchorage" earlier in this section.)
6. If the child restraint is equipped with other anti-rotation devices such as support legs, use them instead of the top tether strap following the child restraint manufacturer's instructions.

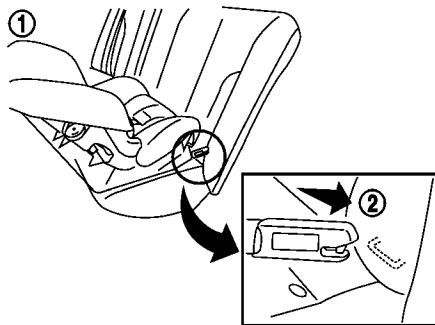


Step 7

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

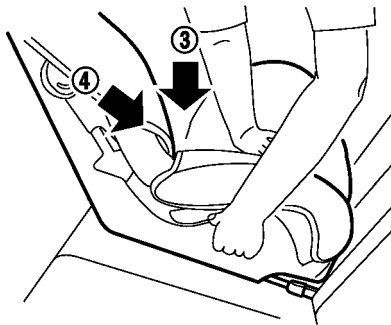
Rear-facing:

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



Steps 1 and 2

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



Step 3

3. Shorten the rigid attachment to have the child restraint firmly tightened; press downward (3) and rearward (4) firmly in the centre of the child restraint with your hand to compress the vehicle seat cushion and seatback.
4. If the child restraint is equipped with a top tether strap, route the top tether strap and secure the tether strap to the tether anchor point. (See "Child restraint anchorage" earlier in this section.)

5. If the child restraint is equipped with other anti-rotation devices such as support legs, use them instead of the top tether strap following the child restraint manufacturer's instructions.



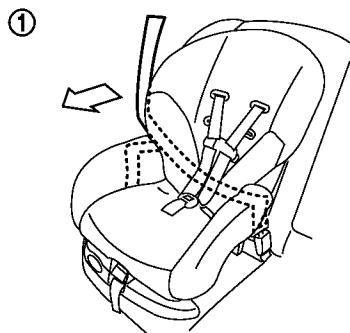
Step 6

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

CHILD RESTRAINT INSTALLATION USING THREE-POINT TYPE SEAT BELT

Installation on rear seats

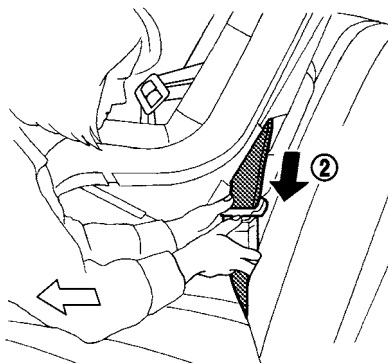
Front-facing:



Step 1

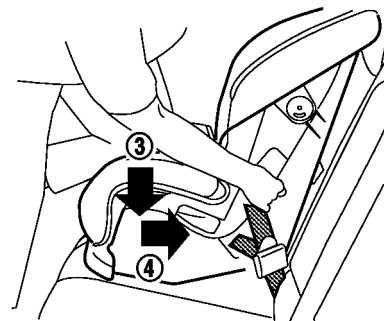
Be sure to follow the manufacturer's instructions for the proper use of your child restraint. Follow these steps to install a front-facing child restraint on the rear seats using 3-point type seat belt without automatic locking mode:

1. Position the child restraint on the seat ①.



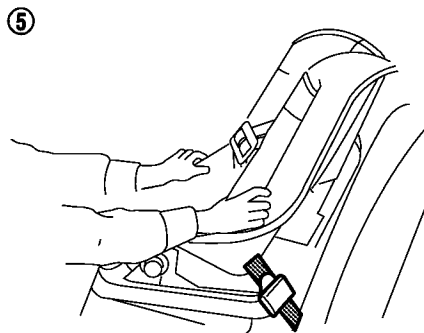
Step 2

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



Step 4

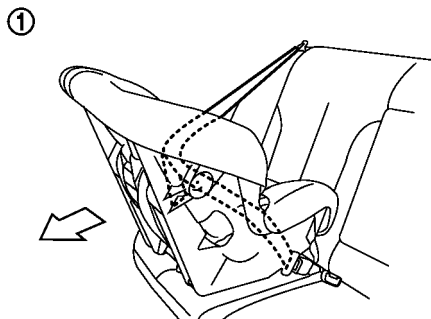
4. Remove any additional slack from the seat belt; press downward ③ and rearward ④ firmly in the centre of the child restraint with your knee to compress the vehicle seat cushion and seatback while pulling up on the seat belt.



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.

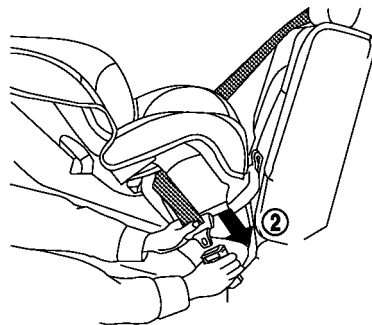
Rear-facing:



Step 1

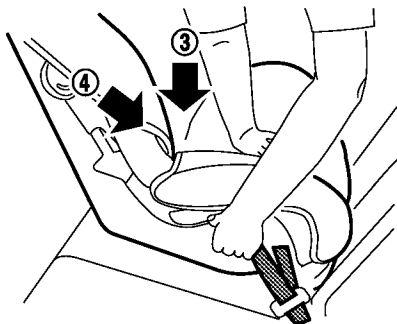
Be sure to follow the manufacturer's instructions for the proper use of your child restraint. Follow these steps to install a rear-facing child restraint on the rear seats using 3-point type seat belt without automatic locking mode:

1. Position the child restraint on the seat ①.



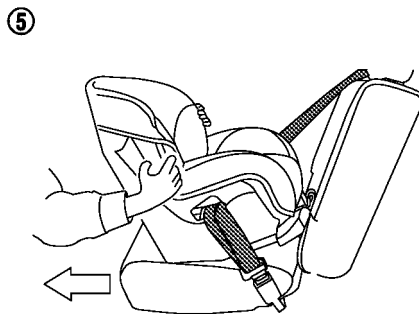
Step 2

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



Step 4

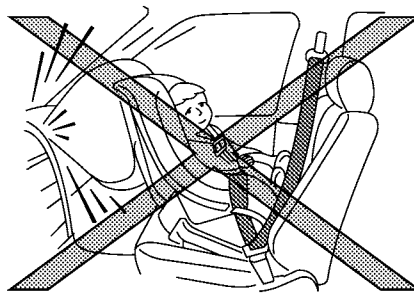
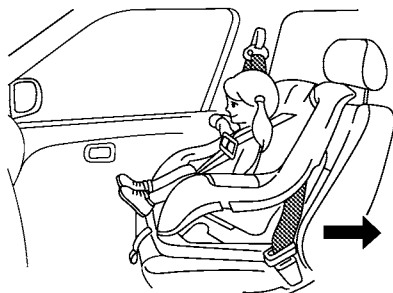
4. Remove any additional slack from the seat belt; press downward ③ and rearward ④ firmly in the centre of the child restraint with your hand to compress the vehicle seat cushion and seatback while pulling up on the seat belt.



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.

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 has not been deactivated. Supplemental front-impact air bags inflate with great force. A rear-facing child restraint could be struck by the supplemental front-impact air bags in an accident and could seriously injure or kill your child.

- Never install a child restraint with a top tether strap on the front seat.
- NISSAN recommends that a child restraint be installed on the rear seat. However, if you must install a child restraint on the front passenger's seat, move the passenger's seat to the rearmost position.
- Child restraints for infants must be used in the rear-facing direction and therefore must not be used on the

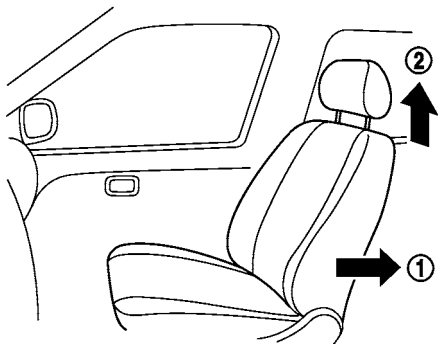
front passenger's seat when the front passenger's air bag has not been deactivated.

Front-facing:

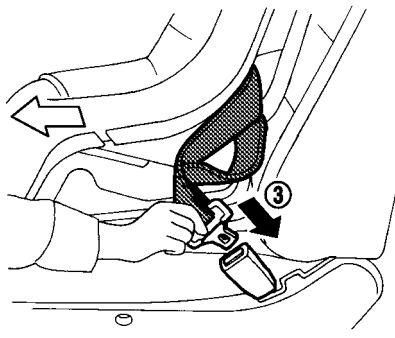
Be sure to follow the manufacturer's instructions for the proper use of your child restraint. Follow these steps to install a front-facing child restraint on the front passenger's seat using a 3-point type seat belt without automatic locking mode:

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

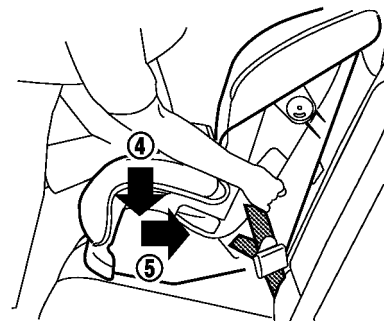
1. Turn off the front passenger's air bag using the front passenger air bag switch. (See  "Supplemental Restraint System (SRS)" later in this section.) Push the power switch to the ON position and make sure that the front air bag status light  illuminates.



Steps 2 and 3

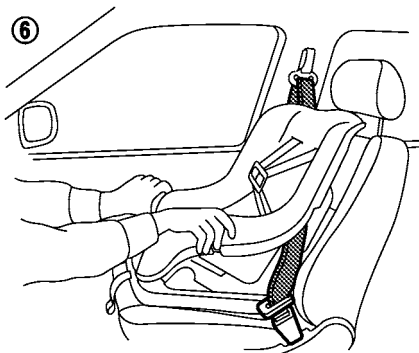


Step 5



Step 7

2. Move the seat to the rearmost position ①.
3. Adjust the head restraint to its highest position ②.
4. Position the child restraint in the seat.
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.
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.



Step 8

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 5 through 8.

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, front seat-mounted side-impact supplemental air bags, roof-mounted curtain side-impact air bags, and pre-tensioner seat belts.

Supplemental front-impact air bag system

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

Front seat-mounted side-impact supplemental air bag system

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

Roof-mounted curtain side-impact supplemental air bag system

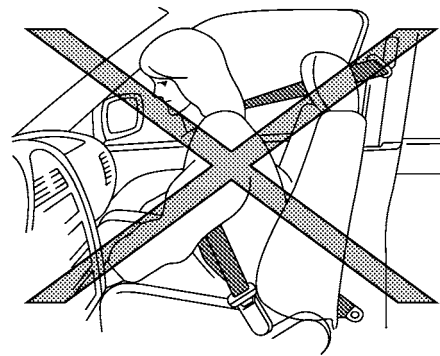
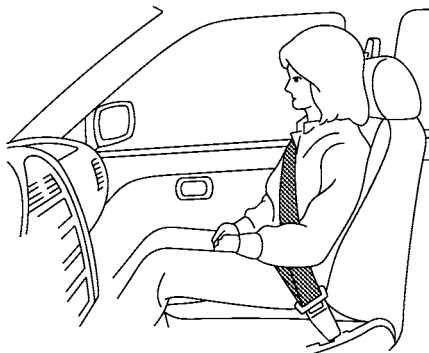
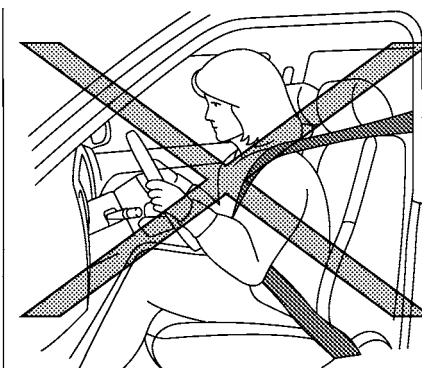
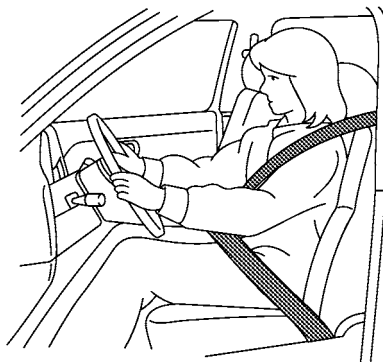
This system can help cushion the impact force to the head of the driver and passengers in front and rear outboard seating positions in certain side-impact collisions. The roof-mounted curtain side-impact supplemental air bag is designed to inflate on the side where the vehicle is impacted.

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

The air bags will deflate quickly after deployment.

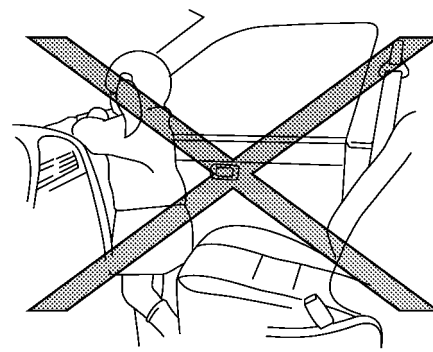
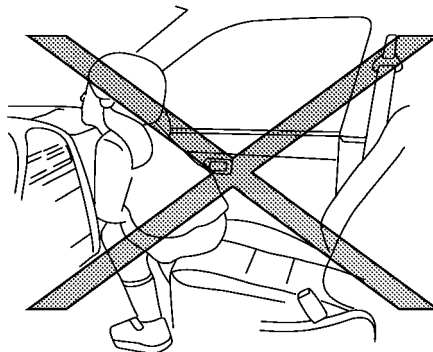
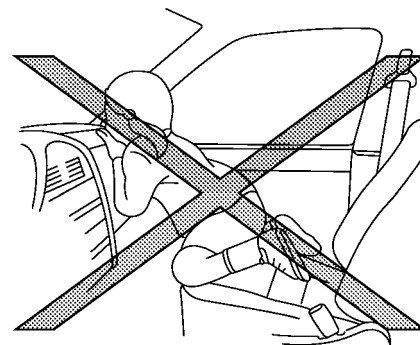
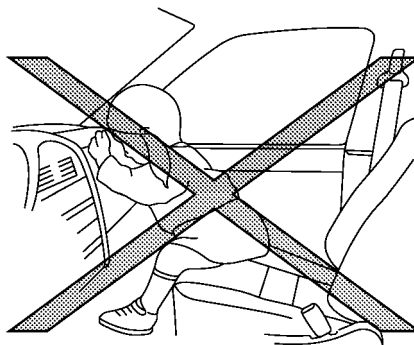
The SRS operates only when the power switch is in the ON position.

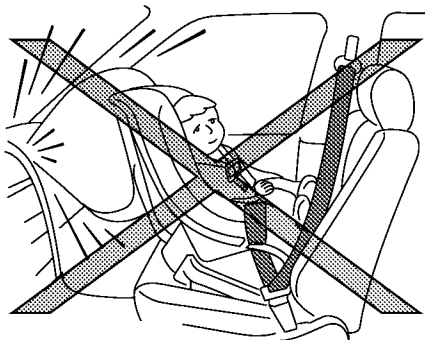
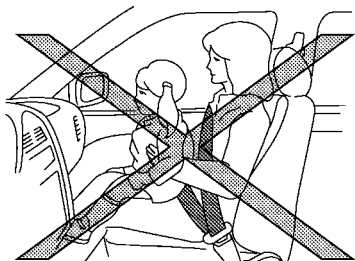
When the power switch is in the ON position, the SRS air bag warning light illuminates for about 7 seconds and then turns off. This indicates that the SRS is operational. See  "Child restraints" later in this section.



WARNING

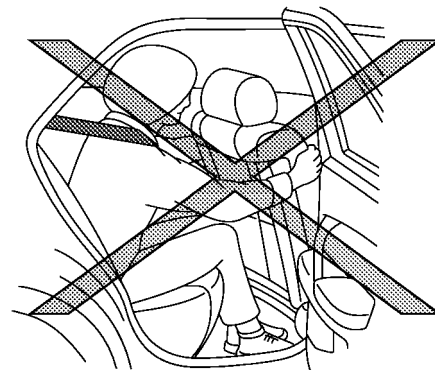
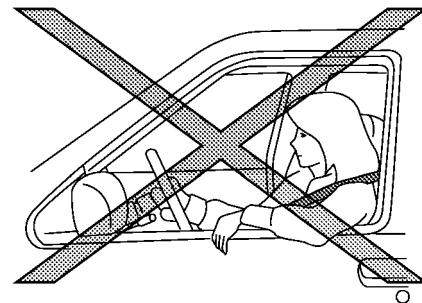
- The supplemental front-impact air bags ordinarily will not inflate in the event of a side impact, rear impact, rollover, or lower severity frontal collision. Always wear the seat belts to help reduce the risk or severity of injury in accidents.
- The seat belts and the supplemental front-impact air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

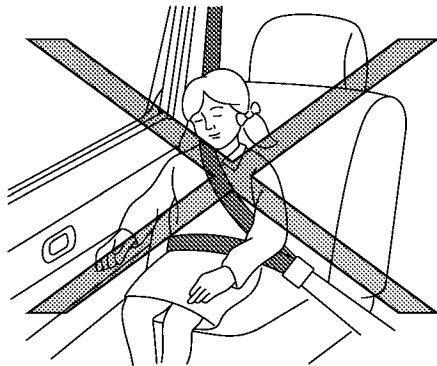
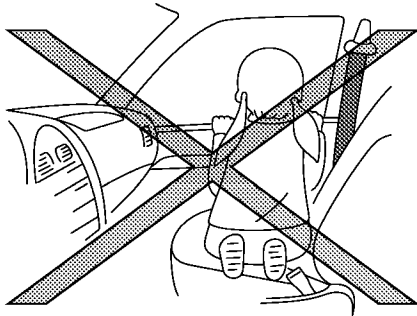




WARNING

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





⚠ WARNING

- The front seat-mounted side-impact supplemental air bags and roof-mounted curtain side-impact supplemental 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 front seat-mounted side-impact supplemental air bags and roof-mounted curtain side-impact supplemental air bags are most effective when you are sitting well back and upright in the seat. The front seat-mounted side-impact supplemental air bags and roof-mounted curtain side-impact supplemental 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 front

seat-mounted side-impact supplemental air bags and roof-mounted curtain side-impact supplemental 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 front seat-mounted side impact supplemental air bags and roof-mounted curtain side-impact supplemental 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 front seat-mounted side-impact supplemental air bag inflations.

Pre-tensioner seat belt system

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

Working with the seat belt retractor and anchor, it helps tighten the seat belt the instant the vehicle becomes involved in certain types of collisions, helping to restrain front seat occupants. See  “Child restraints” later in this section.

Air bag warning label



SRS air bag:

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

SRS front-impact passenger air bag:

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

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

In vehicles equipped with a front-impact passenger air bag system, use a rear-facing child restraint system only on the rear seats. “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 “AIR-BAG LABEL” description at the end of this manual.

When installing a child restraint system in your vehicle, always follow the child restraint system manufacturer's instructions for installation.

For additional information, see  “Child restraints” earlier in this section.

SRS air bag warning light



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

curtain side-impact supplemental air bag modules, pre-tensioner seat belts and all related wiring.

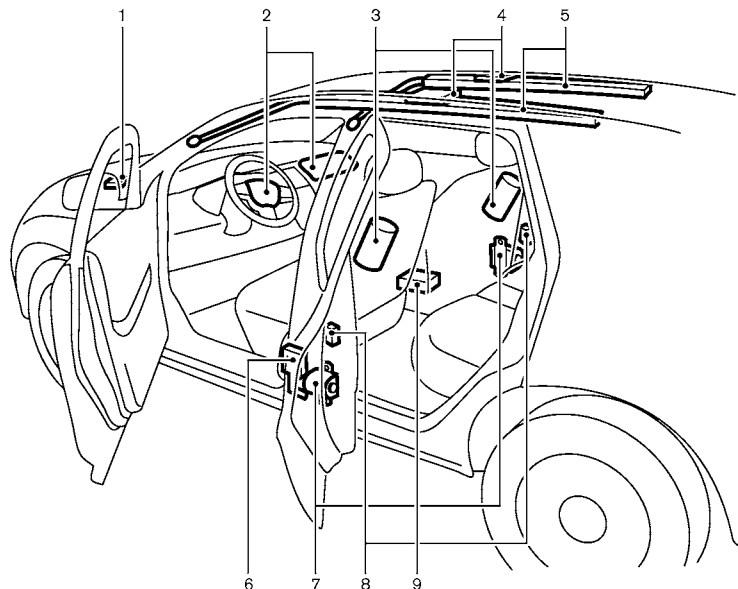
When the power switch is in the ON or READY to drive position, the SRS air bag warning light illuminates for about 7 seconds and then turns off. This indicates that the SRS air bag systems are operational.

If any of the following conditions occur, the air bag systems need servicing:

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

Under these conditions, the air bag systems may not operate properly. They must be checked and repaired. Contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer immediately.

SUPPLEMENTAL AIR BAG SYSTEMS



1. Crash zone sensor
2. Supplemental front-impact air bag modules
3. Front seat-mounted side-impact supplemental air bag modules
4. Roof-mounted curtain side-impact supplemental air bags inflators
5. Roof-mounted curtain side-impact supplemental air bag modules
6. Lap outer pre-tensioner (driver's side)

7. Seat belt with pre-tensioners
8. Satellite sensors
9. Air bag Control Unit (ACU)

⚠ WARNING

- Do not place any objects on the steering wheel pad. Do not place any objects between the driver and steering wheel pad. Such objects may become dangerous projectiles and cause injury if a supplemental air bag inflates.
- Immediately after inflation, several supplemental air bag system components will be hot. Do not touch them: you may severely burn yourself.
- No unauthorised changes should be made to any components or wiring of the supplemental air bag systems. This is to prevent accidental inflation of the supplemental air bags or damage to the supplemental air bag systems.

- Do not make unauthorised changes to your vehicle's electrical system, suspension system or front end structure. This could affect proper operation of the supplemental air bag systems.
- Tampering with the supplemental air bag systems may result in serious personal injury. Tampering includes changes to the steering wheel by placing materials over the steering wheel pad and above, and by installing additional trim materials around the supplemental air bag systems.
- Work around and on the supplemental air bag systems should be done by a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer. The SRS wiring should not be modified or disconnected. Unauthorised electrical test equipment and probing devices should not be used on the supplemental air bag systems.
- The SRS wiring harness connectors are yellow and/or orange for easy identification.

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

Supplemental front-impact air bag system

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

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

Front passenger air bag status light (where fitted):



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

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

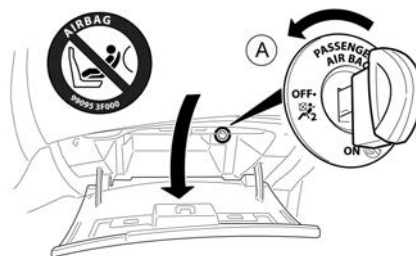
⚠ WARNING

If any of the following conditions occur after the power switch is placed in the ON position, have the system checked, and if necessary repaired, by a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer promptly.

- The front passenger air bag status light remains on after approximately 7 seconds.
- The front passenger air bag status light does not illuminate at all.

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

Front passenger air bag switch:



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

To turn off the front passenger air bag:

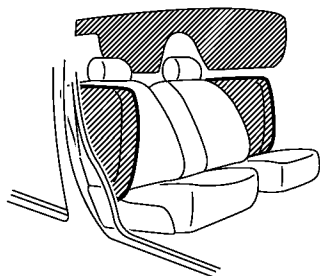
1. Place the power switch in the OFF position.
2. Open the glove box and insert the key into the front passenger air bag switch. For Intelligent Key equipped models. See  "Keys" in the "3. Pre-driving checks and adjustments" section for mechanical key usage.

3. Push and turn the key to the OFF position.
4. Place the power switch in the ON position. The front passenger air bag status light will illuminate and remain on.

To turn on the front passenger air bag:

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

Front seat-mounted side-impact supplemental air bag system



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

The front seat-mounted side-impact supplemental 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 front seat-mounted side-impact supplemental air bag system operation.

Roof-mounted curtain side-impact supplemental air bag system

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

The roof-mounted curtain side-impact supplemental 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 roof-mounted curtain side-impact supplemental 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 knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

- 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 knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer. 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 knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer. Correct pre-tensioner disposal procedures are set forth in the appropriate

NISSAN Service Manual. Incorrect disposal procedures could cause personal injury.

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

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

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

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

REPAIR AND REPLACEMENT 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 knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer. The inflated air bag modules cannot be repaired.**
- **The air bag systems should be inspected by a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer if there is any damage to the front end or side portion of the vehicle.**
- **If you need to dispose of the SRS or scrap the vehicle, contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer. Correct disposal procedures are set forth in the appropriate NISSAN Service Manual. Incorrect disposal procedures could cause personal injury.**

The air bags are designed to activate on a 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 knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

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

NOTE

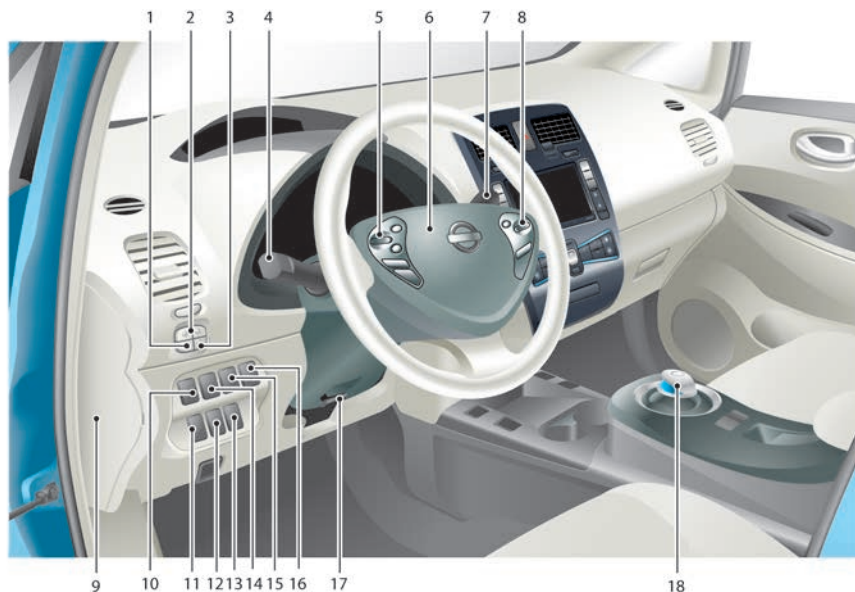
2 Instruments and controls

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COCKPIT



LEFT-HAND DRIVE (LHD) MODEL

1. TRIP/RESET switch for twin trip odometer (P. 2-9)
2. Trip computer switch (P. 2-34)
3. Instrument brightness control switch (P. 2-47)

4. Headlight, fog light and turn signal switch
 - Headlight (P. 2-48)
 - Turn signal light (P. 2-50)
 - Fog light (P. 2-51)
5. Steering-wheel-mounted controls (left side)*¹, *² or (P. 4-63)*

- Audio control
- Bluetooth® Hands-Free Phone System control*¹, *² or (P. 4-86)*

6. Steering wheel
 - Electric power steering system (P. 5-26)
 - Horn (P. 2-52)
 - Driver's supplemental front-impact air bag (P. 1-29)
7. Wiper and washer switch (P. 2-44)
8. Steering-wheel-mounted controls (right side)
 - Cruise control switches* (P. 5-21)
 - Speed limiter switches* (P. 5-19)
9. Fuse box cover (P. 8-16)
10. Approaching Vehicle Sound for Pedestrians (VSP) OFF switch (P. 2-63)
11. Electronic Stability Programme (ESP) OFF switch (P. 2-54)
12. Headlight aiming control switch* (P. 2-50)
13. Heated steering wheel switch* (P. 2-52)
14. Immediate charge button (P. CH-25)
15. Charge connector lock switch (P. CH-17)

16. Charge port lid opener switch
(P. CH-18, P. 3-18)

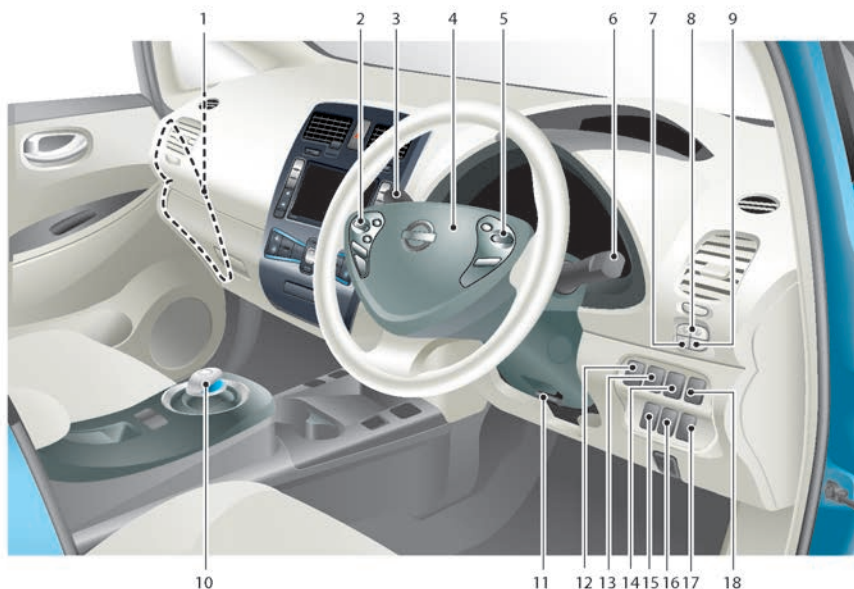
17. Tilting steering wheel lever (P. 3-20)

18. Shift lever (P. 5-14)
— ECO switch* (P. EV-17)

*: where fitted

*¹: See the separately provided NISSAN Connect™ owner's manual

*²: See separately provided EV (Electric Vehicle) navigation system owner's manual



RIGHT-HAND DRIVE (RHD) MODEL

1. Fuse box cover (P. 8-16)
2. Steering-wheel-mounted controls (left side)*¹, *² or (P. 4-63)*

- Audio control
- Bluetooth® Hands-Free Phone System control*¹, *² or (P. 4-86)*
- 3. Headlight, fog light and turn signal switch
 - Headlight (P. 2-48)
 - Turn signal light (P. 2-50)

- Fog light (P. 2-51)
- 4. Steering wheel
 - Electric power steering system (P. 5-26)
 - Horn (P. 2-52)
 - Driver's supplemental front-impact air bag (P. 1-29)
- 5. Steering-wheel-mounted controls (right side)
 - Cruise control switches* (P. 5-21)
 - Speed limiter switches* (P. 5-19)
- 6. Wiper and washer switch (P. 2-44)
- 7. TRIP/RESET switch for twin trip odometer (P. 2-9)
- 8. Trip computer switch (P. 2-34)
- 9. Instrument brightness control switch (P. 2-47)
- 10. Shift lever (P. 5-14)
 - ECO switch* (P. EV-17)
- 11. Tilting steering wheel lever (P. 3-20)
- 12. Charge port lid opener switch (P. CH-18, P. 3-18)
- 13. Charge connector lock switch (P. CH-17)
- 14. Immediate charge button (P. CH-25)

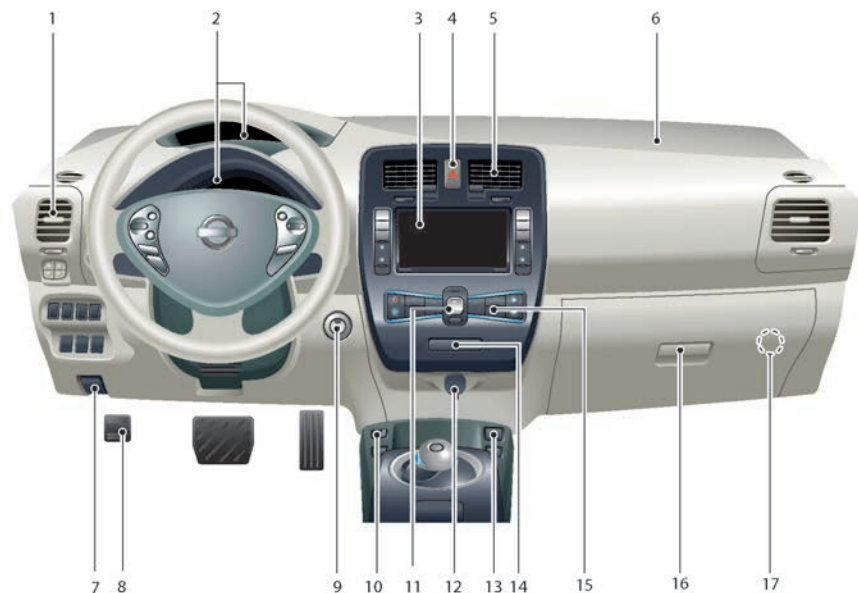
- 15. Heated steering wheel switch* (P. 2-52)
- 16. Headlight aiming control switch*
(P. 2-50)
- 17. Electronic Stability Programme (ESP)
OFF switch (P. 2-54)
- 18. Approaching Vehicle Sound for
Pedestrians (VSP) OFF switch (P. 2-63)

*: where fitted

*¹: See the separately provided NISSAN Connect™ owner's manual

*²: See separately provided EV (Electric Vehicle) navigation system owner's manual

INSTRUMENT PANEL



LEFT-HAND DRIVE (LHD) MODEL

1. Side vent (P. 4-20)
2. Meters and gauges (P. 2-8)
3. Audio system^{*1, *2} or (P. 4-40)*
 - Bluetooth® Hands-Free Phone System^{*1,*2} or (P. 4-82)*

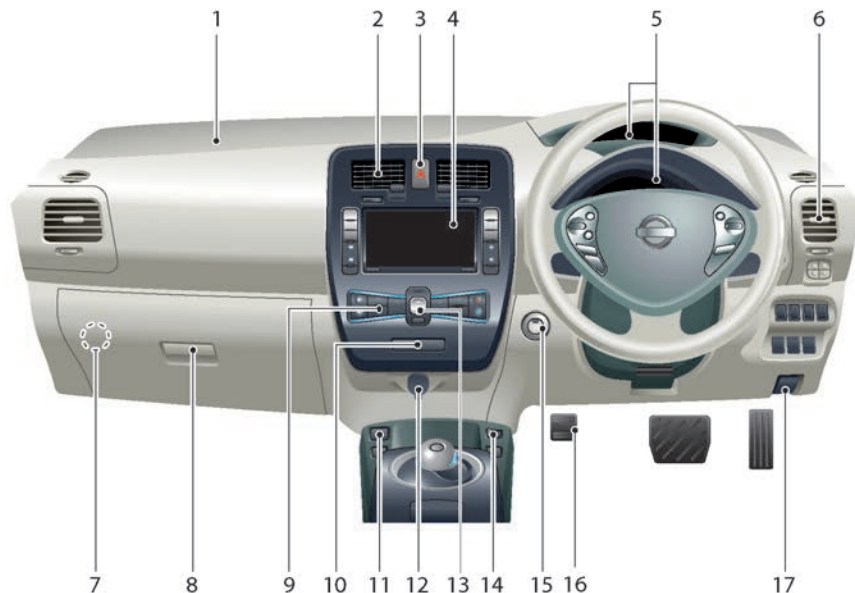
- Centre multi-function control panel^{*2}
- Navigation system^{*1, *2}
- Vehicle information and setting buttons^{*2}
- Clock*
- 4. Hazard warning flasher switch (P. 6-2)
- 5. Centre vent (P. 4-20)

6. Front passenger supplemental air bag (P. 1-29)
7. Bonnet release handle (P. 3-16)
8. Parking brake (P. 5-18)
9. Power switch (P. 5-9)
10. iPod connector/USB connector^{*1,*2} or (P. 4-57)*
11. Heater and air conditioner control (P. 4-21)
12. Power outlet (P. 2-55)
13. Auxiliary input socket^{*1,*2} or (P. 4-56)*
14. Front passenger air bag status light (P. 1-37)
15. Rear window defogger switch (P. 2-47)
16. Glove box (P. 2-56)
17. Front passenger air bag switch (P. 1-38)

*: where fitted

^{*1}: See the separately provided NISSAN Connect™ owner's manual

^{*2}: See the separately provided EV (Electric Vehicle) navigation system owner's manual



RIGHT-HAND DRIVE (RHD) MODEL

1. Front passenger supplemental air bag (P. 1-29)
2. Centre vent (P. 4-20)
3. Hazard warning flasher switch (P. 6-2)

4. Audio system^{*1,*2} or (P. 4-40)*
 - Bluetooth® Hands-Free Phone System^{*1,*2} or (P. 4-82)*
 - Centre multi-function control panel^{*2}
 - Navigation system^{*1,*2}
 - Vehicle information and setting buttons^{*2}

— Clock*

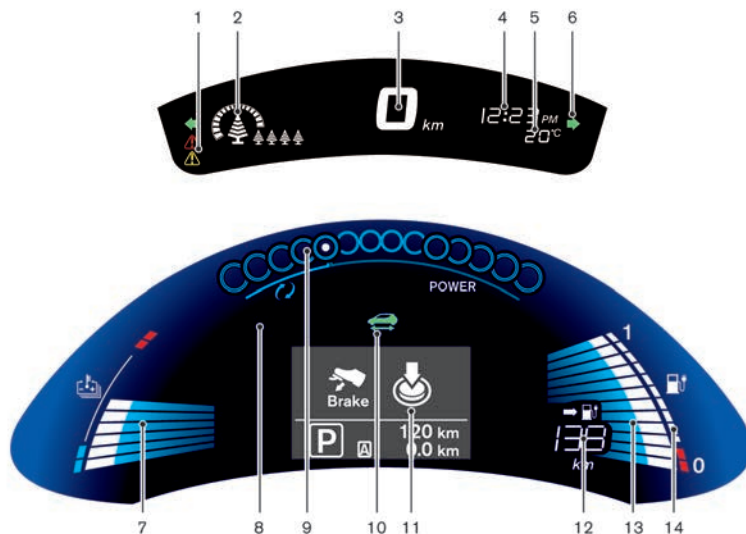
5. Meters and gauges (P. 2-8)
6. Side vent (P. 4-20)
7. Front passenger air bag switch (P. 1-38)
8. Glove box (P. 2-56)
9. Rear window defogger switch (P. 2-47)
10. Front passenger air bag status light (P. 1-37)
11. iPod connector/USB connector^{*1,*2} or (P. 4-57)*
12. Power outlet (P. 2-55)
13. Heater and air conditioner control (P. 4-21)
14. Auxiliary input socket^{*1,*2} or (P. 4-56)*
15. Power switch (P. 5-9)
16. Parking brake (P. 5-18)
17. Bonnet release handle (P. 3-16)

*: where fitted

^{*1}: See the separately provided NISSAN Connect™ owner's manual

^{*2}: See the separately provided EV (Electric Vehicle) navigation system owner's manual

METERS AND GAUGES



Upper display and lower display

This vehicle is equipped with an upper display and a lower display.

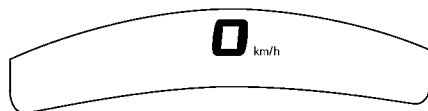
1. Master warning light (P. 2-20)
2. ECO indicator (P. 2-13)
3. Speedometer (P. 2-9)

4. Clock (P. 2-13)
5. Outside air temperature (P. 2-12)
6. Turn signal/Hazard indicator light (P. 2-26)
7. Li-ion battery temperature gauge (P. 2-9)
8. Warning/indicator lights (P. 2-15)

9. Power meter (P. 2-10)
10. READY to drive indicator light (P. 2-25)
11. Vehicle information display
 - Odometer/twin trip odometer (P. 2-27)
 - Trip computer (P. 2-34)
 - Shift position indicator (P. 2-33)
 - Indicator for timer (P. 2-40)
12. Driving range (P. 2-11)
13. Li-ion battery available charge gauge (P. 2-11)
14. Li-ion battery capacity level gauge (P. 2-12)

SPEEDOMETER AND ODOMETER

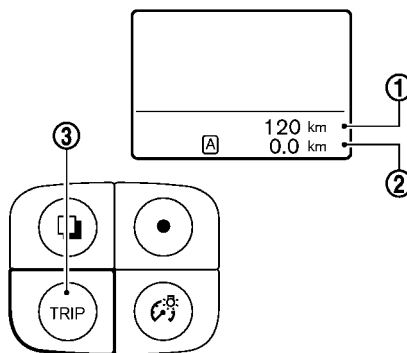
Speedometer



Speedometer

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

Odometer/twin trip odometer



The odometer ① and twin trip odometer ② are displayed on the vehicle information display when the power switch is in the ON or READY to drive position.

The odometer records the total distance the vehicle has been driven.

The twin trip odometer records the distance of individual trips.

Changing the display:

Pushing the TRIP switch ③ located on the right or left side of the combination meter panel changes the display as follows:

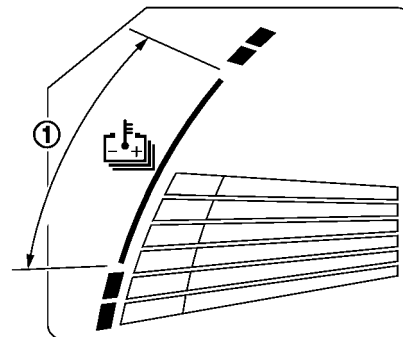
TRIP A → TRIP B → TRIP A

For information about the vehicle information display, see  "Vehicle information display" later in this section

Resetting the trip odometer:

Pushing the TRIP switch ③ for approximately 1 second resets the trip odometer to zero.

LI-ION BATTERY TEMPERATURE GAUGE



The gauge indicates the temperature of the Li-ion battery.

The temperature of the Li-ion battery is within the normal range when the display is within the zone ① shown in the illustration.

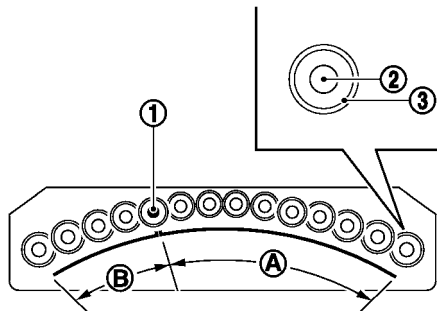
The temperature of the Li-ion battery varies according to the outside air temperature and driving conditions.

NOTE:

- If the display indicates that the temperature of the Li-ion battery is near the red zone end of the normal range, reduce vehicle speed to decrease the temperature. If the indicator is over the normal range, the power provided to the traction motor is reduced when the power limitation indicator light is illuminated. Therefore the vehicle is not as responsive when the accelerator is depressed while the power limitation light is illuminated. See  “Power limitation indicator light” later in this section.
- If the outside temperature is extremely low, the Li-ion temperature gauge may not display a temperature reading. The vehicle may not be able to be put in the READY to drive mode. Contact a know-

ledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

POWER METER



The power meter displays the power output level from the Li-ion battery when the accelerator pedal is depressed, as well as the level of power regeneration provided to the Li-ion battery by the regenerative brake.

When the vehicle stops, the meter indicates the position ① where the power input and regenerative levels are zero. In addition, the position ① is always illuminated when the power switch is in the ON or READY to drive position.

The white dot moves to the left when power is generated and provided to the Li-ion battery by the regenerative brake system (Li-ion battery charging).

The power output and regenerative levels of the Li-ion battery are shown by the increasing or decreasing number of dot indicators ② within the ranges (A) for power output and (B) for power regeneration, using the position ① as the starting point.

The extent that the indicators ② can increase and decrease is limited to within the range that the outer indicators ③ are illuminated. This range varies based on the Li-ion battery condition (for example, battery temperature, charging status, etc.).

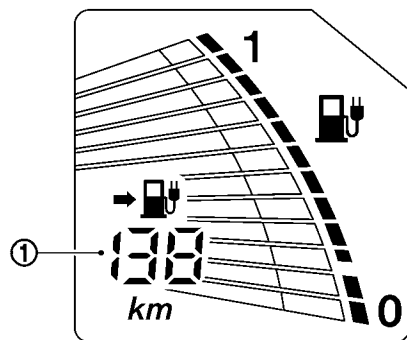
NOTE:

The conditions for the indicators ③ increasing and decreasing are as follows:

- When the temperature of the Li-ion battery is high or low, the range of (A) and (B) will increase and decrease.
- When the level of the Li-ion battery charge is low, only the indicators in range (A) may decrease.

- When the Li-ion battery is fully charged, only the indicators in range (B) may decrease.

DRIVING RANGE



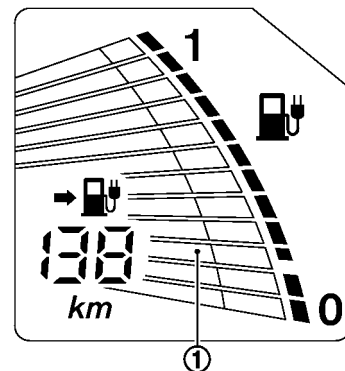
The driving range (1) (km or miles) provides an estimated distance that the vehicle can be driven before recharging is necessary. The driving range is constantly being calculated, based on the amount of available Li-ion battery charge and the actual power consumption average.

The illustrated indicator displays the driving range based on the current driving style.

NOTE:

- The driving range display will flash when the low battery charge warning light illuminates. Additionally, if you continue to drive the vehicle in this state and the Li-ion battery is close to being completely discharged, "---" will be displayed. Charge the Li-ion battery as soon as possible. When the Li-ion battery is charged, the original display will be restored.
- After the vehicle is charged, the displayed driving range is calculated based on the actual average energy consumption of previous journeys. The displayed driving range will vary every time the vehicle is fully charged.
- The driving range will increase or decrease when the air conditioner, heater or Li-ion battery warmer (where fitted) is turned on or off, or the vehicle is shifted between D (Drive) and ECO, or when any other accessory is turned on or off based on driving.

LI-ION BATTERY AVAILABLE CHARGE GAUGE



The gauge (1) indicates the **approximate** remaining Li-ion battery charge available to run the vehicle.

Charge the Li-ion battery before the gauge reaches the bottom line.

The low battery charge warning light  illuminates when the Li-ion battery available charge gauge is getting low. Charge as soon as it is convenient, preferably before the display reaches the bottom line. When the display reaches the bottom line of the display and

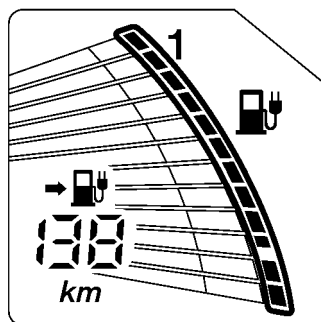
the low battery charge light illuminates, there is a very small reserve of Li-ion battery charge remaining.

NOTE:

- The number of segments illuminated on the Li-ion battery available charge gauge is determined by the available charge and the amount of charge the Li-ion battery is capable of storing at the current temperature.
- Temperature affects the amount of charge the Li-ion battery is capable of storing. The Li-ion battery is capable of storing less power when the Li-ion battery temperature is cold. The Li-ion battery is capable of storing more power when the Li-ion battery is warm. The number of segments illuminated on the Li-ion battery available charge gauge can change based on the amount of power the Li-ion battery is capable of storing. For example, when the Li-ion battery becomes colder, more segments on the Li-ion battery available charge gauge illuminate because the available charge is a greater percentage of the Li-ion battery's capability of storing power. When the Li-ion battery becomes warmer, less segments on the Li-ion bat-

tery available charge gauge illuminate because the remaining energy is a lower percentage of the Li-ion battery's capability of storing power.

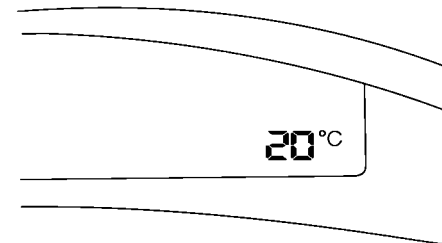
LI-ION BATTERY CAPACITY LEVEL GAUGE



This gauge indicates the amount of charge the Li-ion battery is capable of storing.

When the capacity of the Li-ion battery decreases with age and usage, the maximum level of the gauge will also decrease.

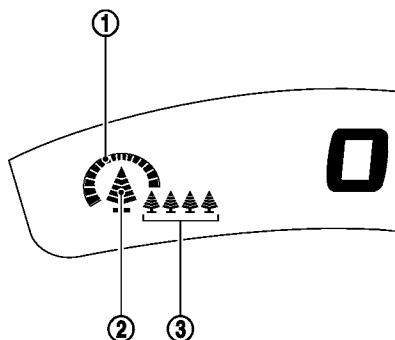
OUTSIDE AIR TEMPERATURE



The outside air temperature can be displayed in °C or °F. To change the temperature unit between °C and °F, see  "Vehicle information display" later in this section.

The temperature displayed may differ from the (actual) outside temperature as displayed on various signs or billboards.

ECO INDICATOR



The ECO indicator displays how economically the vehicle is being operated.

The meter display is affected by the following conditions:

- Accelerator pedal operation.
- Brake pedal operation.
- Driving conditions.
- Traffic conditions.
- Heater and air conditioner usage.

- Time the vehicle is not moving while the vehicle is in the READY to drive mode and accessories are on.

Instant ECO driving level

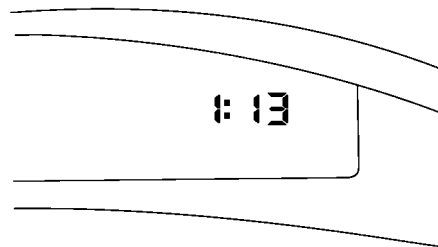
The instant ECO driving level ① is displayed by the number of bars that increase (more economical driving) or decrease (less economical driving) depending on vehicle operation.

Long term ECO driving level

Long term ECO driving is indicated by ECO TREE symbols. The longer the vehicle is operated economically, the more segments of the large ECO TREE symbol ② are displayed. When all of the segments of the large ECO TREE symbol are displayed, a small tree ECO TREE indicator ③ is also displayed, and the large ECO TREE symbol display is reset. The longer the vehicle is operated economically, the more small ECO TREE symbols are displayed. The ECO TREE symbols that were illuminated while driving will turn off when the vehicle power is turned off. The ECO TREE symbols are stored in the navigation system to show long term efficient vehicle operation.

To increase the ECO driving level and for information about driving the vehicle efficiently, see  "Efficient use of your vehicle" in the "EV. Electric vehicle overview" section.

CLOCK



Models without EV (Electric Vehicle) navigation system: Adjust the clock on the setting screen of the vehicle information display (see  "Vehicle information display" later in this section).

If the 12-volt battery power supply is disconnected, the clock will not indicate the correct time after reconnecting the power supply. Adjust the time accordingly.

NOTE:

For models with EV (Electric Vehicle) navigation system: The clock is synchronised with the clock displayed on the navigation system. See the separately provided EV (Electric Vehicle) navigation system owner's manual.

WARNING LIGHTS, INDICATOR LIGHTS, AND AUDIBLE REMINDERS

	12-volt battery charge warning light		Master warning light (red/yellow)		Front fog light indicator
	Anti-lock Braking System (ABS) warning light		Low battery charge warning light		Front passenger air bag status light
	BRAKE system warning light (yellow)		Seat belt warning light		High beam indicator light
	BRAKE warning light (red)		Supplemental air bag warning light		Rear fog light indicator light
PS	Electric power steering warning light		Low tyre pressure warning light		Security indicator light
	Electric shift control system warning light		Power limitation indicator light		Small light indicator light
	Electronic Stability Programme (ESP) warning light		Plug in indicator light		Turn signal/hazard indicator lights
	Electric vehicle system warning light		READY to drive indicator light		
	Headlight warning light		Electronic Stability Programme (ESP) OFF indicator light		

CHECKING LIGHTS

With all doors closed, apply the parking brake, and push the power switch to the ON position or depress the brake pedal and push the power switch to the READY to drive position. The following lights will illuminate.

 ,  , **PS**

The following lights illuminate briefly and then turn off:

 (yellow),  ,  (red),  ,  ,  ,  ,  ,  ,  , 

If any light does not illuminate, it may indicate a burned-out bulb or an open circuit in the electrical system. Have the system checked by a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

Some indicators and warnings are also displayed on the vehicle information display in the lower display. (See  "Vehicle information display" in the "2. Instruments and controls" section.)

WARNING LIGHTS

12-volt battery charge warning light

The DC/DC converter in the Power Delivery Module (PDM) converts the 400 volt Li-ion battery voltage to charge the 12-volt battery.

This light illuminates continuously, after the bulb is checked, when the power switch is in the ON position, and turns off when the power switch is placed in the READY to drive position.

When this warning light illuminates, a chime sounds and the following warnings are also displayed:

- Master warning (red)
- Electric vehicle system warning light

The following messages also flash on and off on the vehicle information display.

If the vehicle is being driven: [Stop vehicle] and if the vehicle is stopped: [When parked apply parking brake]. When these messages flash, immediately stop the vehicle in a safe location, apply the parking brake and push the P position switch on the shift lever to place the vehicle in the P (Park) position. The warning on the meter and the chime stop when the

parking brake is operated or the vehicle is in the P (Park) position. Contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer for support.

CAUTION

- The DC/DC converter system may not be functioning properly if the 12-volt battery charge warning light illuminates continuously when the power switch is in the READY to drive position. Immediately stop the vehicle in a safe location and contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.
- If the 12-volt warning light illuminates continuously when the power switch is in the READY to drive position. Do not charge the 12-volt battery while this warning light is illuminated. It may lead to a malfunction of the DC/DC converter system. Contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

NOTE:

- If the vehicle does not go into the READY to drive position (when the power switch is pushed with the brake pedal depressed), jump-start the vehicle to place the power switch in the READY to drive position. See  “Jump starting” in the “6. In case of emergency” section.
- Do not jump-start the vehicle and contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer for inspection:
 - If the 12-volt charge warning light turns off when the vehicle is in the READY to drive mode, the 12-volt battery may be discharged or there may be a malfunction in the 12-volt battery related system.
 - If the 12-volt charge warning light continues to illuminate when the vehicle is in the READY to drive mode, there may be a malfunction in the Power Delivery Module (PDM). Contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer for inspection



Anti-lock Braking System (ABS) warning light

When the power switch is in the ON or READY to drive 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 power switch is in the READY to drive position, or while driving, it may indicate the ABS is not functioning properly. Have the system checked by a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

If an ABS malfunction occurs, the anti-lock function is turned off. The brake system however still operates normally, but without anti-lock assistance. (See  “Brakes” in the “5. Maintenance and do-it-yourself” section.)



BRAKE system warning light (yellow)

This light functions for both the regenerative brake and the electronically driven intelligent brake systems. When the power switch is placed in the ON position or in the READY to drive position, the light remains illuminated for about 2 or 3 seconds. If the light illuminates at any other time, it may indicate that the regen-

erative brake and/or the electronically driven intelligent brake systems are not functioning properly. Have the system checked by a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer. If the BRAKE warning light (red) also illuminates, stop the vehicle immediately and contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer. For additional information, see  “Brakes” in the “8. Maintenance and do-it-yourself” section.

WARNING

- Pressing the brake pedal when the power switch is not in the ON or READY to drive position and/or when the brake fluid level is low may increase the stopping distance and braking will require greater pedal effort as well as pedal travel.
- If the brake fluid level is below the minimum or MIN mark on the brake fluid reservoir, do not drive until the brake system has been checked at a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

- The regenerative brake system may not be working properly if the brake system warning light illuminates when the READY to drive indicator light is ON. If you judge it to be safe, drive carefully to the nearest service station for repairs. Otherwise, have your vehicle towed because driving could be dangerous.

BRAKE warning light (red)

When the power switch is placed in the ON position or in the READY to drive position, the light remains illuminated for a few seconds. If the light illuminates at any other time, it may indicate that the hydraulic brake system is not functioning properly. If the BRAKE warning light illuminates, stop the vehicle immediately and contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

Parking brake warning indicator:

When the power switch is pushed to the ON position with the parking brake applied, the brake warning light illuminates. When the parking brake is released, the brake warning light turns off.

If the parking brake is not fully released, the brake warning light remains on. Be sure that the brake warning light has turned off before driving. (See  "Parking brake" in the "5. Starting and driving" section.)

Low brake fluid warning light:

When the power switch is in the ON position, the light warns of a low brake fluid level. If this warning light illuminates, the Electronic Stability Programme (ESP) warning light and the brake system warning light (yellow) also illuminate. If the light illuminates while the power switch is in the READY to drive position with the parking brake not applied, stop the vehicle and perform the following items.

1. Check the brake fluid level. If brake fluid level is low, add fluid and have the system checked by a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer. See  "Brake fluid" in the "8. Maintenance and do-it-yourself" section.
2. If the brake fluid level is correct, have the warning system checked by a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

WARNING

- Your brake system may not be working properly if the warning light is on. Driving could be dangerous. If you judge the brake system to be safe, drive carefully to the nearest service station for repairs. Otherwise, have your vehicle towed because driving it could be dangerous.
- Pressing the brake pedal with the power switch position is other than ON or READY to drive position and/or low brake fluid level may increase the stopping distance and braking will require greater pedal effort as well as pedal travel.
- If the brake fluid level is below the minimum or MIN mark on the brake fluid reservoir, do not drive until the brake system has been checked at a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

PS Electric power steering warning light

When the power switch is in the ON position, the electric power steering warning light illuminates and turns off when the power switch is placed in the READY to drive position. This indicates the electric power steering system is operational.

If the electric power steering warning light illuminates while the READY to drive indicator light is ON, 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 knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

When the electric power steering warning light illuminates while the READY to drive indicator is ON, 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.

Electric shift control system warning light

This light illuminates when a malfunction occurs in the electric shift control system. When the master warning light illuminates, the chime sounds and the message, [When parked apply parking brake], is displayed on the vehicle information display.

When the power switch is in the OFF position, the chime sounds continuously. Make sure the parking brake is applied. If the parking brake is applied, the master warning light illuminates and the warning message on the vehicle information display turns off and the chime stops.

If the power switch can not be placed in the OFF position, apply the parking brake and then place it in the OFF position.

Have the system checked by a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

Electronic Stability Programme (ESP) warning light

The light will blink when the Electronic Stability Programme (ESP) system is operating, thus alerting the driver that the vehicle is nearing its traction limits. The road surface may be slippery.

When the ESP warning light illuminates with the ESP system turned on, this light alerts the driver to the fact that the ESP system's fail-safe mode is operating, for example the ESP system may not be functioning properly. Have the system checked by a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer. If a malfunction occurs in the system, the ESP system function will be cancelled but the vehicle is still driveable. For additional information, see  "Electronic stability programme (ESP) system" in the "5. Starting and driving" section.

Electric vehicle system warning light

This light illuminates if there is a malfunction in the following systems. Contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

- Traction motor and inverter system
- Charge port or on board charger
- Li-ion battery system
- Cooling system
- Shift control system
- Emergency shut off system is activated. See  "Emergency shut-off system" in the "EV. Electric vehicle overview" section.

Headlight warning light (where fitted)

This light illuminates if the LED headlights are malfunctioning. Contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

Low battery charge warning light

This light illuminates when the available Li-ion battery charge is getting low. Charge as soon as possible, preferably before the Li-ion battery available charge gauge reaches the bottom line.

NOTE:

The low battery charge warning light turns off immediately before the Li-ion battery is

completely discharged and the vehicle will stop. If the Li-ion battery becomes completely discharged, the vehicle must be charged in order to be driven.

Master warning light (red/yellow)

There are two types of master warning light: yellow and red. These lights illuminate if any warning lights or indicator lights are illuminated or if various vehicle information warnings appear in the vehicle information display.

Yellow master warning light:

The yellow master warning light is located on the upper display.

This light illuminates when a yellow warning light on the lower display is illuminated or when a message is displayed on the vehicle information display.

Red master warning light:

The red master warning light is located on the upper display.

This light illuminates when a red warning light on the lower display is illuminated or when a warning is displayed on the vehicle information display.

Seat belt warning light

The light and chime remind you to fasten your seat belts.

When the power switch is in the ON position, the seat belt warning light illuminates. The light will continue to illuminate until the front seat belts are fastened.

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

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

Supplemental Restraint System (SRS) air bag warning light

After turning the power switch to the ON position, the supplemental air bag warning light will illuminate. The supplemental air bag warning light will turn off after about 7 seconds if the supplemental front air bag and supplemental side air bag, curtain side-impact air bag

systems and/or pre-tensioner seat belt are operational. If any of the following conditions occur, the front air bag, side air bag, curtain air bag and pre-tensioner systems need servicing and your vehicle must be taken to your nearest knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

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

Unless checked and repaired, the Supplemental Restraint Systems and/or the pre-tensioners may not function properly. For additional information, see  "Supplemental Restraint System (SRS)" in the "1. Safety — seats, seat belts and supplemental restraint system" section.

WARNING

If the supplemental air bag warning light is on, it could mean that the front air bag, side air bag, curtain air bag and/or pre-tensioner systems will not operate in an accident. To help avoid injury to yourself

or others, have your vehicle checked by a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer as soon as possible.



TPMS indicator light

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

This light illuminates or blinks if there is low tyre pressure or, in case of a tyre pressure warning system malfunction it will flash for 1 minute and then stay illuminated.

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

WARNING

- Visit a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer as soon as possible if the TPMS system is malfunctioning.
- If the TPMS indicator light illuminates while driving:
 - avoid sudden steering manoeuvres

- avoid abrupt braking
- reduce vehicle speed
- pull off the road to a safe location
- 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 which 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 TPMS indicator light "OFF". In case of a flat tyre, replace it with a spare tyre (where fitted) as soon as possible. (See  "Flat tyre" in the "6. In case of emergency" section for changing a flat tyre.)
- When a spare tyre is mounted or a wheel is replaced, the TPMS will not function and the TPMS indicator light will flash for approximately 1 minute. The light will remain on after 1 minute. Contact a knowledgeable LEAF repairer such as a NISSAN certified

electric vehicle dealer as soon as possible to check the TPMS system.

- Replacing tyres with those not originally specified by NISSAN could affect the proper operation of the TPMS.
- The Genuine NISSAN Emergency Tyre Repair Sealant or equivalent can be used for temporarily repairing a tyre. Do not inject any other tyre liquid or aerosol tyre sealant into the tyres, as this may cause a malfunction of the tyre pressure sensors. Visit a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer as soon as possible after using tyre repair sealant. (for models not equipped with the emergency tyre puncture repair kit)
- NISSAN recommends using only Genuine NISSAN Emergency Tyre Sealant provided with your vehicle. Other tyre sealants may damage the valve stem seal which can cause the tyre to lose air pressure. Visit a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer as soon as possible after us-

ing tyre repair sealant (for models equipped with the emergency tyre puncture repair kit).

CAUTION

- If the vehicle is driven with a flat tyre, this may damage the TPMS sensor for that tyre.
- 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 TPMS indicator 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.

- When inflating the tyres and checking the tyre pressure, never bend the valves.
- Special aluminium valves are fitted to mount the TPMS sensors on the wheels. The TPMS sensor is fixed at the wheels by a nut. The nut needs to be correctly fitted at a torque setting of 7.5 ± 0.5 Nm. If the TPMS sensor is tightened exceeding the limit, there is a possibility the sensor grommet will be damaged. If the sensor is tightened under the limit, there is a possibility to cause an air leak.
- Use Genuine NISSAN valve caps that comply with the factory-fitted valve cap specifications.
- Do not use metal valve caps.

- **Fit the valve caps properly. Without the valve caps the valve and tyre pressure monitor sensors could be damaged.**
- **Do not damage the valves and sensors when storing the wheels or fitting different tyres.**
- **Replace the sensor grommet during a tyre change. Once they have been removed, the sensor grommet cannot be reused and must be replaced. The TPMS sensors can be used again.**

Low tyre pressure warning:

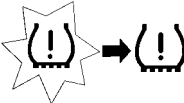
If the vehicle is being driven with low tyre pressure, the warning light will illuminate.

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

For additional information, see  "TPMS reset" in the "5. Starting and driving" section.

When wheels do not have genuine NISSAN tyre pressure sensors or if the TPMS malfunctions:

If the TPMS is not functioning properly, the TPMS indicator light will flash for approximately 1 minute when the power switch is pushed ON. The light will remain on after the 1 minute. Make sure the correct genuine NISSAN tyre pressure sensors or equivalent are fitted to the wheels. When the light still illuminates, have the system checked by a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

TPMS indicator light(s)	Possible cause	Recommended action
	Low tyre pressure Note: Usually, the pressure of the tyre decreases naturally.	1) Inflate tyre to the correct pressure 2) Reset TPMS See  "TPMS reset" in the "5. Starting and driving" section
	Genuine NISSAN TPMS sensor is not detected at one or more wheels.	Check the TPMS sensors.
	TPMS radio communication interference between TPMS wheel sensor and TPMS receiver due to external sources.	Drive away from the area of interference.
	TPMS parts malfunction.	If the problem persists contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

For additional information, see  "Precautions when starting and driving" in the "5. Starting and driving" section.

INDICATOR LIGHTS



Power limitation indicator light

When the power limitation indicator light is illuminated, the power provided to the traction motor is reduced. Therefore the vehicle is not as responsive when the accelerator is depressed when the power limitation light is illuminated.

When this light comes on, a warning appears on the navigation display and the vehicle information display. Follow the instructions provided on the navigation display (models with EV (Electric Vehicle) navigation system).

This light illuminates in the following conditions:

- When the Li-ion battery available charge is extremely low.
- When the Li-ion battery temperature is very low.
- When the temperature of the electric vehicle system is high (motor, inverter, coolant system, Li-ion battery etc.).
- When the electric vehicle system has a malfunction.

If the Low battery charge warning light is illuminated, charge the Li-ion battery as soon as possible.

If this indicator illuminates because the Li-ion battery is cold due to low outside temperatures, move the vehicle to a warmer location. The Li-ion battery temperature may rise when the Li-ion battery is being charged.

If the light illuminates when the electric vehicle system becomes hot due to continuous hill climbing either continue driving at a slower speed or stop the vehicle in a safe location. If this indicator does not turn off, contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

If the indicator illuminates in a situation other than those described above, or if it does not turn off, there may be a system malfunction. Contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

WARNING

Power limitation mode results in reduced power and vehicle speed. The reduced speed may be lower than other traffic, which could increase the chance of a collision. Be extremely careful when driving. If the vehicle cannot maintain a safe

driving speed, pull to the side of the road in a safe area. Charge the Li-ion battery if the charge is low or allow the Li-ion battery to cool.

Plug in indicator light

This light illuminates when the charge connector is connected to the vehicle and blinks during charging.

NOTE:

If the charge connector is connected to the vehicle, the power switch can not be placed in the READY to drive position.

READY to drive indicator light

The READY to drive indicator light illuminates when the electric vehicle system is powered and the vehicle is ready to be driven.

The READY to drive indicator will turn off in the following conditions.

- Certain electric vehicle system malfunctions.
- The READY to drive indicator light turns off immediately before the Li-ion battery is completely discharged. If the Li-ion battery

becomes completely discharged, the vehicle must be charged in order to be driven. See  "Low battery charge warning light" earlier in this section.

Electronic Stability Programme (ESP) off indicator light

The light illuminates when the Electronic Stability Programme (ESP) off switch is pushed to OFF. This indicates that the ESP system is not operating.

See  "Electronic stability programme (ESP) off switch" later in this section.

Front fog light indicator light

The front fog light indicator light illuminates when the front fog lights are on. See  "Fog light switch" in the "2. Instruments and controls" section.

Front passenger air bag status light

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

the front passenger air bag is turned on, the front passenger air bag status light will turn off.

For more details, see  "Supplemental front-impact air bag system" in the "2. Safety — seats, seat belts and supplemental restraint system" section.

High beam indicator light

This light illuminates when the headlight high beam is on and goes out when low beam is selected.

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 power switch is in the LOCK, OFF or ACC position. This function indicates the NATS (NISSAN Anti-Theft System)* equipped on the vehicle is operational. (* immobilizer)

If NATS is malfunctioning, this light will remain on while the power switch is in the ON position (see  "Security system" later in this section for additional information).

Small light indicator light

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

Turn signal/hazard indicator lights

This light flashes when the turn signal switch or hazard switch is operated.

AUDIBLE REMINDERS

Key reminder chime

A chime will sound if the driver's side door is opened while the power switch is pushed to the ON or ACC position.

Make sure that the power switch is in the OFF position, and take the Intelligent Key with you when leaving the vehicle.

Light reminder chime

The light reminder chime will sound when the driver side door is opened with the light switch in the  or  position, and the power switch in the ACC, OFF or LOCK position.

Turn the light switch off when you leave the vehicle.

The chime will also sound for 2 seconds when the power is switched to the ACC, OFF or LOCK position while the fog lights are on with the headlight switch in the AUTO position.

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

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 warning sound is heard.

Parking brake reminder chime

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

Seat belt warning chime

When the vehicle speed exceeds 15 km/h (10 MPH), the chime will sound unless the front seat belts are securely fastened. The chime will continue to sound for about 90 seconds or until the front seat belts are fastened.

12-volt battery charge warning chime

If the 12-volt battery charge warning light illuminates, the chime will sound and a warning message is displayed on the vehicle information display on the lower display.

When the chime sounds, stop the vehicle in a safe location, push the P position switch on the shift lever and apply the parking brake. The 12-volt battery charge warning light, on the lower display, turns off and the chime will stop when the parking brake is applied or the vehicle is placed in the P (Park) position. Contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer for

support. For details on the meter warnings, see  “12-volt battery charge warning light” earlier in this section.

Electric shift control system reminder chime

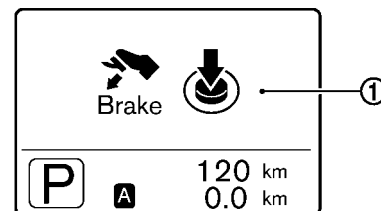
If an improper shift operation is performed, for safety reasons a chime will sound and at the same time, depending on the conditions, the operation will be cancelled or the shift position will switch to the N (Neutral) position. For more details, see  “Driving the vehicle” earlier in this section.

Power switch reminder chime (where fitted)

The power switch reminder chime will sound when the driver's door is opened while the power switch is in the ON or READY position.

Push the power switch to the OFF position.

VEHICLE INFORMATION DISPLAY

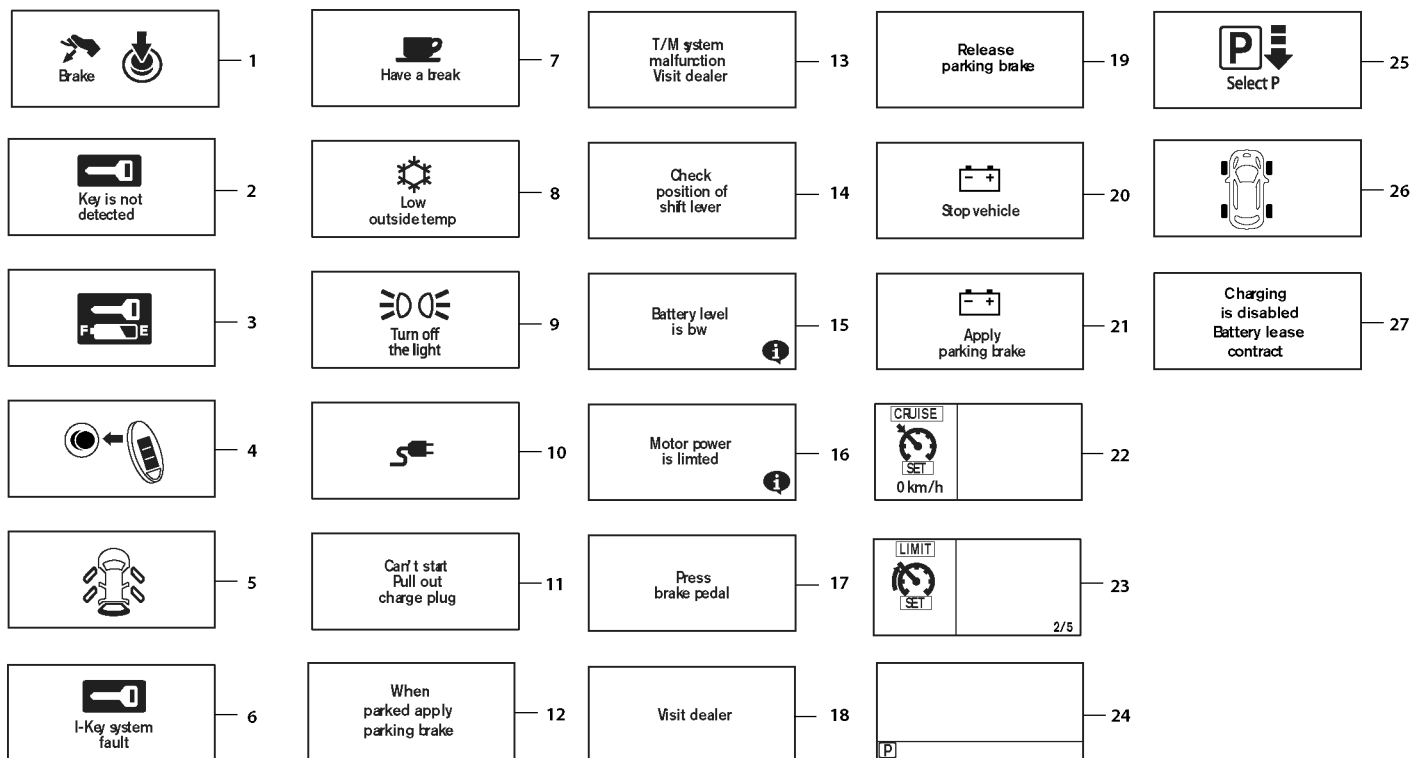


The vehicle information display ① is located in the lower display and displays charging related information, average electricity consumption/instant electricity consumption, average vehicle speed, driving distance/driving time (elapsed time), shift position indicator, cruise control settings, Intelligent Key operation information, and other warnings and information.

For details about the shift position indicator, see  “Indicator lights” earlier in this section. For details about the cruise control, see  “Cruise control (where fitted)” in the “5. Starting and driving” section.

For details about the odometer, see  “Odometer/twin trip odometer” in the “5. Instruments and controls” section.

For the details about the Intelligent Key system, see  “Intelligent Key system” in the “3. Pre-driving checks and adjustments” section.



INDICATORS FOR OPERATION

1. READY to drive position operation indicator

This indicator appears while the vehicle is in the P (Park) position and indicates that the electric vehicle system is READY to drive when the power switch is pressed with the brake pedal depressed.

2. Key is not detected warning

This warning appears in either of the following conditions:

No key inside the vehicle:

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

Unregistered Intelligent Key:

This warning appears when the power switch is placed in the ON, ACC or READY to drive position and the Intelligent Key can not be recognised by the system. You cannot place the power switch in the READY to drive position with an unregistered key. Use an Intelligent Key that has been registered.

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

3. Intelligent Key battery discharge indicator

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

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

4. Electric vehicle system operation for discharged Intelligent Key system indicator

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

If this indicator appears, touch the power switch with the Intelligent Key while depressing the brake pedal. (See  “Intelligent Key battery discharge” in the “5. Starting and driving” section).

5. Door/tailgate open warning (power switch is in the ON position)

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

6. Intelligent Key system warning

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

If this warning appears while the traction motor is stopped, the power switch can not be switched to the READY to drive position. If this warning appears while the power switch is in the READY to drive position, the vehicle can be driven. However, contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

7. Driver alert

This warning appears when the previously set time for a break is reached. You can set the time for up to 6 hours in the setting menu. (See  “Trip computer” later in this section).

8. Low outside air temperature

The outside air temperature is displayed in °C or °F in the range of -30 to 60°C (-22°F to 140°F).

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

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

9. Light reminder warning (where fitted)

This warning appears when the power switch is turned to the OFF position while the headlights are still on. Turn off the headlight switch.

10. Plug in indicator

This indicator appears when the charge connector is connected.

If the charge connector is connected to the vehicle, the power switch can not be placed in the READY to drive position.

11. Remove charge connector warning

This warning appears when the power switch is in the ACC or ON position and if the power switch is pushed to the READY to drive position with the brake pedal depressed, while the charge connector is connected to the vehicle. Remove the charge connector.

12. Electric shift control system warning

This indicator appears if there is malfunction in the electric shift control system.

This indicator appears when the parking brake is not applied, even after the vehicle has been parked. The master warning (yellow) light also illuminates and the chime sounds. Have the system checked by a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

When the power switch is in the OFF position, the chime will sound continuously. Make sure the parking brake is applied, the master warning light (red) illuminates, the warning message in the vehicle information display turns off and the chime stops.

If the power switch can not be placed in the OFF position, apply the parking brake and then place it in the OFF position.

13. Shift control system warning

This warning appears if there are any malfunctions in the shift control system. The master warning light (yellow) also illuminates and the chime sounds. Contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer for repair as soon as possible.

14. Shift position warning

This warning appears if the system cannot detect the shift position.

The master warning illuminates (yellow) and the chime sounds. Make sure the shift lever is placed in a position properly.

15. Li-ion battery low charge warning

This indicator appears when the Li-ion battery charge level is getting low. The low battery charge warning light and the master warning light (yellow) will also illuminate. Charge the Li-ion battery as soon as possible. The [i] symbol is shown on the vehicle information display, this indicates that further information is

available on the navigation display (where fitted). Check the navigation display for further information and instructions.

16. Power limitation warning

This warning is displayed when the Li-ion battery charge level is getting too low to move the vehicle or if there is any reason to limit traction power (Li-ion battery low or high temperature etc.). The power limitation indicator light and the master warning light (yellow) also illuminate. The [i] symbol is shown on the vehicle information display, this indicates that further information is available on the navigation display (where fitted). Check the navigation display for further information and instructions.

17. Press brake pedal warning

This warning appears in the following conditions:

- When the parking brake is applied and the vehicle starts to move.
- When the parking brake is applied and the brake pedal is not depressed.

18. Visit dealer warning

This message appears if there is malfunction in the parking brake system. Contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer for repair as soon as possible.

19. Parking brake release warning

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

20. 12-volt battery charge warning

The warning [Stop vehicle] appears if the DC/DC converter system is not functioning properly. The 12-volt battery charge warning light and the master warning light (red) also illuminate. Stop the vehicle in a safe location and contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

21. Apply parking brake warning

This warning appears if the DC/DC converter system is not functioning properly after the [Stop vehicle] warning described above. If this warning appears on the display, stop the vehicle in a safe location and push the P position switch on the shift lever. If the parking brake is

applied, the display turns off. Contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

22. Cruise control indicator

Cruise main switch indicator:

This indicator is displayed when the cruise control main switch is pushed. When the main switch is pushed again, the indicator disappears. When the cruise control main switch indicator is displayed, the cruise control system is operational.

Cruise set switch indicator:

This indicator is displayed while the vehicle speed is controlled by the cruise control system. If the indicator blinks while the power switch is in the READY to drive position, it may indicate that the cruise control system is not functioning properly. Have the system checked by a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

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

23. Speed limiter indicator

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

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

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

24. Shift position indicator

The shift position indicator shows the shift position when the power switch is in the ON or READY to drive position. See  "Driving the vehicle" in the "5. Starting and driving" section.

25. [Select P] warning

This warning appears when the driver's door is opened with the shift lever in any position other than P (Park) position.

If this warning appears, push the P position switch and place the shift lever in the P (Park) position.

26. Low tyre pressure warning

This warning appears when the TPMS sensor of a tyre detects a low tyre pressure and the TPMS indicator light in the meter panel comes on.

If this warning appears, park the vehicle as soon as possible at a petrol station or contact for road assistance and adjust the tyre pressures of all 4 tyres to the recommended COLD tyre pressure as shown on the tyre placard located on the driver's side centre pillar.

For details, see  "Warning lights, indicator lights, and audible reminders" in the "2. Instruments and controls" section.

TPMS reset:

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

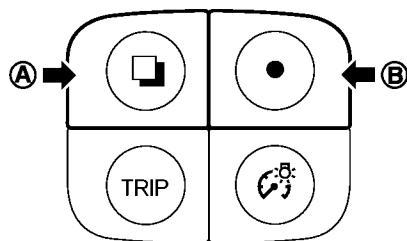
- when the tyre pressure is adjusted
- when a tyre or a wheel is replaced
- when the tyres are rotated

For details, see  "Precautions when starting and driving" in the "5. Starting and driving" section.

27. Battery charging stop warning (where fitted)

This message appears if your lease company is entitled to block the charging of the battery (pursuant to the contract with the lease company or otherwise). If this message appears, the charging of the battery is blocked. This is not a malfunction. In order to unblock the charging function, please contact your battery lease company.

TRIP COMPUTER



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

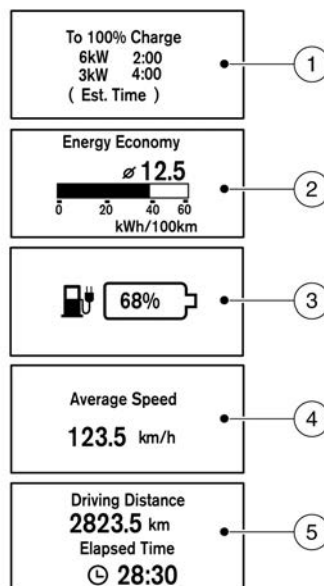
Ⓐ  switch

Ⓑ  switch

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

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

Estimated charge time → Average energy economy/instant energy economy → Remaining Li-ion battery → Average vehicle speed → Driving distance/Driving time (Elapsed time) → Setting → Warning check



1. Charging time

Displays the estimated time to a full Li-ion charge.

The time needed to charge the Li-ion battery based on:

- Outside temperature
- Li-ion battery temperature
- Available electrical power supplied to the charger
- Immediately after the power switch is placed in the ON position, the charging time displayed may be longer than the actual charging time.

NOTE:

- Immediately after charging has finished the charge time will be displayed as “---”.
- The estimated charging time stops updating if the air conditioner is turned on while the Li-ion battery is charging. The estimated charging time updates approximately 15 minutes after the air conditioner is turned off.

- Immediately after the power switch is placed in the ON position, the charging time displayed may be longer than the actual charging time.

The 6 kW and the 3kW charging time typically shows different times to reach a full charge.

However, the same charging time may be shown for both the 6 kW and the 3kW based on the Li-ion battery state of charge and battery temperature.

The system may automatically slow the battery charge to prevent the battery from becoming overcharged.

Charging may finish sooner than the displayed charging time.

2. Energy economy

Average energy economy:

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

The display is updated every 30 seconds. At about the first 500 m (0.3 mile) after a reset, the display shows “----”.

Instant energy economy:

The instant energy economy mode shows the instant energy economy via a moving bar graph.

When regenerated energy is being stored in the Li-ion battery while driving, the instant energy economy display will show the maximum value.

3. Remaining Li-ion battery

The remaining Li-ion battery mode displays the estimated Li-ion battery power remaining. When the Li-ion battery is close to being completely discharged, “---” will be displayed.

4. Average speed

The average speed mode shows the average vehicle speed (km/h or MPH) since the last reset. The average speed (km/h or MPH) can be reset by pushing the ● switch (B) for longer than 1 second.

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

5. Driving distance and elapsed time

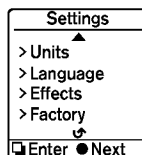
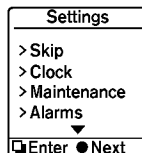
Driving distance:

The driving distance mode shows the total distance (miles or km) the vehicle has been driven since the last reset. Resetting is done by pushing the ● switch (B) for longer than 1 second. (The elapsed time is also reset at the same time.)

Elapsed time:

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

6. Settings



Settings cannot be accessed while driving. The message, [Settings can only be accessed when stationary] is displayed on the vehicle information display.

The switch (A) and switch (B) are used in the settings mode.

Push the switch (B) to scroll through the menus.

Push the switch (A) to select a menu.

[Skip]:

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

Push the switch (B) to select other menus.

[Clock]:

The clock can be adjusted in this menu.

- [Back]
Select this submenu to return to the top page of the settings mode.
- [Set Clock]
Adjust the time (hour and minute) of the clock.
For the models without EV (Electric Vehicle) navigation system:
The day of the week can also be set to use it for the climate control timer setting. (For details, see "Climate Ctrl. Timer" in the "4. Display screen, heater and air conditioner (climate control system)" section)

- [24/12Hr] (24 hours or 12 hours)
Select either the 24-hour clock display or the 12-hour display.

[Maintenance]:

There are 5 submenus under the maintenance menu.

- [Back]
Select this submenu to return to the top page of the settings mode.
- [Tyre]
Select this submenu to set or reset the distance for replacement of the tyres.
- [Other 1], 2 and 3
Select this submenu to set or reset the distance for replaceable/maintenance items. Up to three other items can be monitored. Set other items if required.

[Alarms]:

The alarms menu can be set to notify the following items. There are 3 submenus under the alarms menu:

- [Back]
Select this submenu to return to the top page of the settings mode.

- [Driver alert]
Select this submenu to set the driver alert period.
- [Outside temp]
Select this submenu to display the low outside temperature (On or Off).

[TPMS] (where fitted):

- [Back]
Select this submenu to return to the top page of the settings mode.
- [Start]
Select this submenu to reset the TPMS.

[Units] (where fitted):

Units displayed can be set for the following items on this menu:

- [Back]
Select this submenu to return to the top page of the settings mode.
- [Temperature]
- [Speed]

[Temperature] (where fitted):

Select this submenu to choose the units of temperature.

To return to the top page of the settings mode, select [Back].

[Speed]:

Select this submenu to choose the units of speed.

To return to the top page of the settings mode, select [Back].

[Language]:

Select this submenu to choose the language displayed.

To return to the top page of the settings mode, select [Back].

[Effects]:

The start up sound can be selected or turned off from this menu.

5 submenus under the effects menu.

When a menu item is selected, the selected sound plays.

- [Back]
Select this submenu to return to the top page of the settings mode.
- [Sound 1]
- [Sound 2]
- [Sound 3]
- [Off]

[Factory] settings:

Select this menu to reset all values to the factory default settings except for the odometer settings.

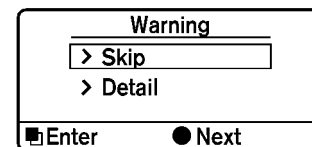
NOTE:

When resetting to the factory settings, all previous settings made are restored to the default settings.

To return to the top page of the settings mode, select [Back].

7. Warning check (where fitted)

[Skip]:



Push the  switch (A) to move to the Estimated charge time display.

Push the  switch (B) to select another menu.

[Detail]:

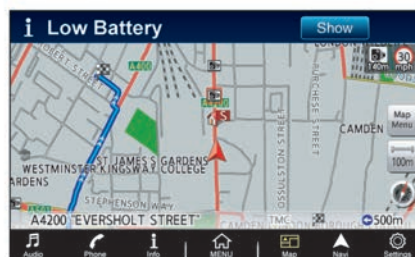
This item is available only when a warning is displayed.

Select this menu to see details of warnings.

WARNING INFORMATION DISPLAYS (models with EV (Electric Vehicle) navigation system)

Low battery warning

When the low battery charge warning light  and the master warning (yellow) light  illuminate, the system displays a message on the navigation screen that warns the driver that the battery power level is low.



1. The notification is displayed on the upper left side of the screen. Touch [Show] to display the screen showing detailed information.
2. The system displays a message screen and announces the contents of the message to warn that the battery charge level is low. Check the message displayed on the screen. Touch [Charging station search] to search all charging stations that are located around the current vehicle position.
3. Touch the  key or push the **MAP** button to return to the vehicle location screen.

NOTE:

- The low battery warning can be set to off. See the separately provided EV (Electric Vehicle) navigation system owner's manual.

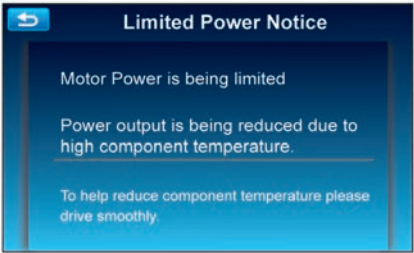
- When the battery power level is low, the system automatically obtains charging station information.

Limited power warning

When the Li-ion battery charge level is extremely low or the Li-ion battery malfunctions, the power limitation indicator  and the master warning light (yellow)  illuminate in the meter and the system displays a message on the navigation screen in order to inform the driver that power output is restricted.



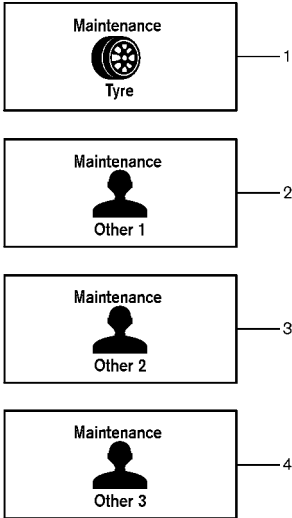
1. The notification is displayed on the upper left side of the screen. Touch [Show] to display the screen showing detailed information.



2. The system displays a message screen and announces the contents of the message to warn that power output is restricted and inform the driver of the reason for this occurrence and what action is to be taken.

INDICATORS FOR MAINTENANCE

1. Tyre replacement indicator



This indicator appears when the customer set distance for replacing tyres is reached. You

can set or reset the distance for replacing tyres. ( "Trip computer" earlier in this section.)

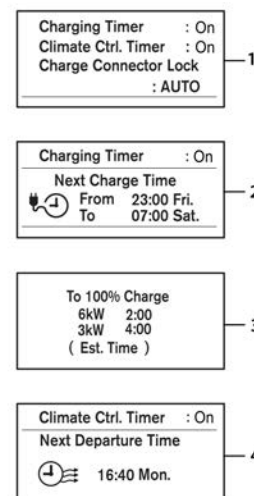
WARNING

The tyre replacement indicator is not a substitute for regular tyre checks, including tyre pressure checks. See  "Wheels and tyres" 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.

2. 3. 4. "Other" indicators

These indicators appear when the customer set distance for checking or replacing maintenance items other than the tyres is reached. Other maintenance items can include such things as tyre rotation. You can set or reset the distance for checking or replacing the items. (See  "Trip computer" earlier in this section.) For scheduled maintenance items and intervals, see the Warranty Booklet and Maintenance Record.

INDICATOR FOR TIMER



When the power switch is turned off, this display appears for 10 seconds. If the  switch (A) is pushed within 10 seconds, the display can be selected and each setting information display can be confirmed.

1. Timer setting (charging and Climate Ctrl.) and charge connector lock setting status

The timer setting status (On or Off) and the air conditioning/heater or climate control and the charge connector lock setting status (AUTO, LOCK or UNLOCK) can be checked.

2. Charging timer setting confirmation

The charging timer starting (where fitted) and ending hour, minute and day (where fitted) for the next charge time that has been set can be checked.

3. Charging time

Displays the estimated time to charge the battery to a full charge.

When fully charged, the remaining charging time is displayed as "--:--"

NOTE:

Charging may finish sooner than the displayed charging time.

4. Climate Ctrl. Timer setting confirmation

The set time for ending hours and days (where fitted) of the [Climate Ctrl. Timer] is displayed.

SECURITY SYSTEM

Your vehicle has either or both of the following security systems:

- Theft warning system (where fitted)
- NISSAN Anti-Theft System (NATS)*

The security condition is indicated by the security indicator light.

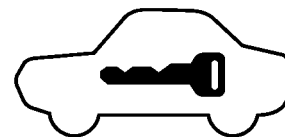
(* immobilizer)

THEFT WARNING SYSTEM (where fitted)

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

The ultrasonic sensors (volumetric sensing) detect movement in the passenger compartment. When the theft warning system is set to the armed position, it will automatically switch on the ultrasonic sensors.

Security indicator light



The security indicator light, located on the meter panel, operates when the power switch is in the LOCK, OFF or ACC position. This is normal.

How to activate system:

1. Close all windows.
2. Push the power switch to the OFF position.
3. Close and lock all doors and the bonnet. The doors can be locked with the Intelligent Key system.

4. Confirm that the security indicator light comes on. The security indicator light blinks rapidly for about 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 keyfob, the Intelligent Key system, or the power switch is turned to the ON position, the system will not activate.

NOTE:

Even when the driver and/or passengers are in the vehicle, the system will activate with all the doors locked and the power switch off. Place the power switch in the ON position to turn the system off.

If the system malfunctions, a short beep sounds 5 times when the system is activated. Have the system checked by a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer

Theft warning system operation:

The warning system will give the following alarm:

- The hazard indicator 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.

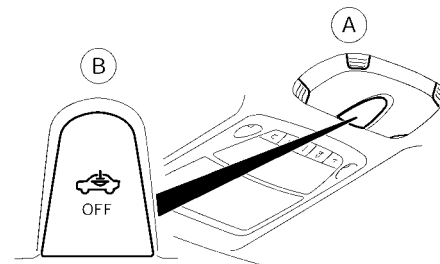
The alarm is activated when:

- Operating the door without using the integrated keyfob or the Intelligent Key system.
- Operating the bonnet.
- The volumetric sensing system (ultrasonic sensors) is triggered (when it is activated).

How to stop alarm:

- The alarm will stop by unlocking a door with the door handle request switch or the "UNLOCK"  button on the Intelligent Key or the door handle request switch.
- The alarm will stop if the power switch is turned to the ON position.

Cancel switch for ultrasonic sensors:



⚠ CAUTION

Do not touch the ultrasonic sensors (A). This could damage the sensors.

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. Push the power switch to the OFF position.

3. Push the cancel switch (B) and the security indicator light will start flashing rapidly (three times a second).
4. Close the doors, bonnet and tailgate. Lock them using the Intelligent Key system. The security indicator light will start flashing faster and a buzzer will sound once.

The ultrasonic sensors are 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 traction motor to start without the use of the registered NATS key.

If the power switch can not be placed to the READY to drive position 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.

Place the power switch to the READY to drive position using the following procedure:

1. Remove any items that may be causing the interference away from the NATS key.
2. Leave the power switch in the ON position for approximately 5 seconds.
3. Place the power switch in the OFF position, and wait approximately 10 seconds.
4. Repeat steps 2 and 3 again.
5. Place the power switch to the READY to drive position.
6. Repeat the steps above until all possible interferences are eliminated.

If this procedure allows the power switch to be placed in the READY to drive position, NISSAN recommends keeping 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 when the power 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 power switch is in the ON position.

NOTE:

If the light remains on and/or the power switch cannot be placed in the READY to drive position, contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer for NATS service as soon as possible. Be sure to bring all NATS keys that you have when visiting a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer for service.

For Right-Hand Drive (RHD) model:

If NATS is malfunctioning, the security indicator light will illuminate when the power switch is in the ON position. However, if the security indicator light turns off after 15 minutes, you can place the power switch in the READY to drive position once. See a LEAF repairer such as a NISSAN certified electric vehicle dealer for NATS service as soon as possible.

WINDSCREEN WIPER AND WASHER SWITCH

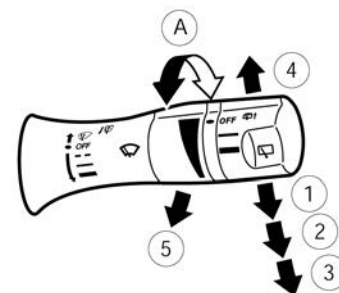
⚠ WARNING

In freezing temperatures the washer solution may freeze on the windscreen and obscure your vision which may lead to an accident. Warm the windscreen with the defogger before you wash the windscreen.

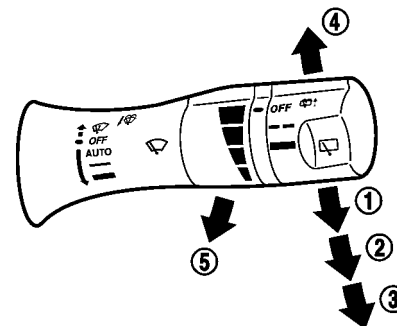
⚠ CAUTION

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

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 that is on and around the wiper arms. After approximately 1 minute, turn the switch on again to operate the wiper.



Type A (without rain sensing system)



Type B (with rain sensing system)

The windscreen wiper and washer operates when the power switch is in the ON position.

Push the lever down to operate the wiper at the following speed:

① Intermittent or **AUTO**

— The intermittent (■ ■) operation speed can be adjusted by rotating the ring (A) forward (slower) or backward (faster).

— **AUTO** (where fitted) operates the rain-sensing auto wiper system. (See  "Rain-sensing auto wiper system (where fitted)" in the "2. Instruments and controls" section)

- ② Low (■) — continuous low speed operation
- ③ High (■) — continuous high speed operation
- ④ MIST — one sweep operation of the wiper

WASHER OPERATION:

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

The headlight washer (where fitted) will also operate while operating the windscreen washer. (See  "Headlight washer (where fitted)" later in this section)

HEADLIGHT WASHER (where fitted)

The headlight washer operates when the headlight is on and the power switch is in the ON position.

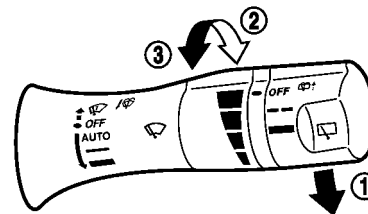
Pull the windscreen washer switch toward you. The headlight washer operates with the windscreen washer. This operation activates once each time either the power switch or the headlight switch is turned off and on.

After the first operation, the headlight washer operates once at every fifth operation of the windscreen washer.

⚠ CAUTION

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

RAIN-SENSING AUTO WIPER SYSTEM (where fitted)



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

To set the rain-sensing auto wiper system, push the lever down to the **AUTO** position ①. The wiper will sweep once while the power 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).

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

⚠ CAUTION

- Do not touch the rain sensor and its surrounding area when the wiper switch is in the **AUTO** position and the power switch is in the **ON** position. The wipers may operate unexpectedly and cause an injury or may damage a wiper.
- The rain-sensing auto wipers are intended for use during rain. If the switch is left in the **AUTO** position, the wipers may operate unexpectedly when dirt, fingerprints, oil film or insects are stuck on or around the sensor. The wipers may also operate when exhaust gas or moisture affect the rain sensor.
- When the windscreen glass is coated with water repellent, the speed of the rain-sensing auto wipers may be higher even though the amount of 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 although it is raining.

REAR WINDOW WIPER AND WASHER SWITCH

⚠ WARNING

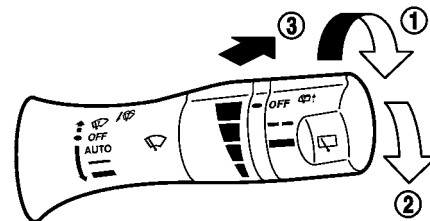
In freezing temperatures the washer solution may freeze on the rear window glass and obscure your vision. Warm the rear window with the defogger before you use the rear window washer.

⚠ CAUTION

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

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

After approximately 1 minute, turn the switch **ON** again to operate the wiper.



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

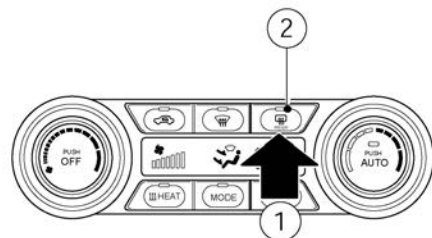
Turn the switch clockwise from the **OFF** position to operate the wiper.

① Intermittent (▬▬) — intermittent operation (not adjustable)

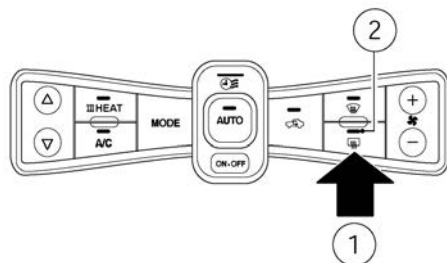
② Low (▬) — continuous low speed operation

Push the switch forward ③ to operate the washer. Then the wiper will also operate several times.

REAR WINDOW AND OUTSIDE MIRROR DEFOGGER SWITCH (where fitted)



Type A*



Type B*

*: For the Right-Hand Drive (RHD) model, the layout will be the opposite.

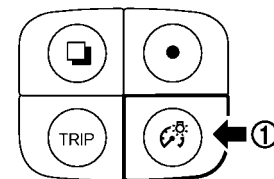
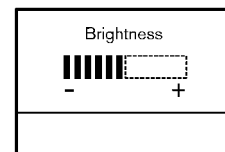
To defog/defrost the rear window and outside mirrors (where fitted), place the power switch in the ON position and push the switch ① in. The indicator light ② will come on. Push the switch again to turn the defogger off.

The defogger will automatically turn off after approximately 15 minutes — if the rear window clears before this time, push the switch again to turn the defogger off.

⚠ CAUTION

When cleaning the inner side of the rear window, be careful not to scratch or damage the rear window defogger.

INSTRUMENT BRIGHTNESS CONTROL



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

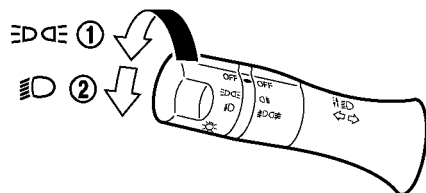
Push the switch ① to display the setting menu of the brightness control on the vehicle information display.

Push the switch ① to move the bar to the + side. If the bar reaches the maximum brightness, a chime will sound. If the button ① is pushed again when the brightness is at the maximum setting, brightness will be set to the lowest setting.

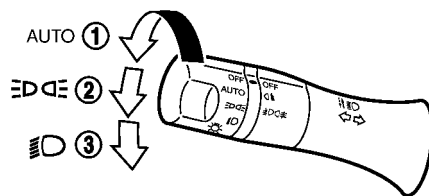
HEADLIGHT AND TURN SIGNAL SWITCH

HEADLIGHT SWITCH

Lighting



Type A



Type B (Auto position)

Autolight system (where fitted):

The autolight system allows the headlights to be set so they turn on and off automatically.

To set the autolight system:

1. Make sure the headlight switch is in the AUTO position (where fitted).
2. Place the power switch in the ON position.
3. The autolight system automatically turns the headlights on and off.

To turn the autolight system off, turn the switch to the OFF,  or  position.

The autolight system can turn on the headlights automatically when it is dark and turn off the headlights when it is light.

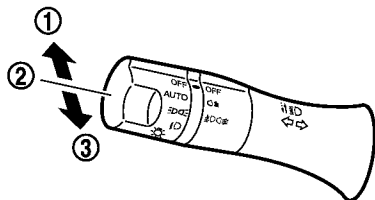
position:

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

position:

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

Headlight beam select



- ① To select the low beam, put the lever in the neutral position as shown.
- ② To select the high beam, push the lever forward while the switch is in the  position. Pull it back to select the low beam.
- ③ Pulling the lever toward you will flash the headlight high beam even when the headlight switch is in the OFF position.

“Friendly Lighting” (where fitted)

The “Friendly Lighting” function is a convenience facility. It allows you to provide lighting from the vehicle after the power switch is pushed to the OFF or LOCK position, the headlight will turn on and stay on for 30 seconds and the headlight switch is in the OFF or AUTO (where fitted) position. Pulling the headlight switch towards the rearmost position ③ once will activate the headlight and after a period of time, it will automatically switch off. It is possible to pull the headlight switch up to four times to increase the lighting period up to 2 minutes.

NOTE:

The “Friendly Lighting” function can be cancelled by switching the power switch to the ACC or ON position again.

Battery saver system

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

- The headlight switch is in either the  or  position, and the power switch in the ACC, OFF or LOCK position.

- The headlight switch is in the AUTO position and the front or rear fog light is turned on while the power switch is in the ACC, OFF or LOCK position.

Be sure to turn the headlight switch to the OFF or AUTO position and the rear fog light switch to the OFF position when you leave the vehicle.

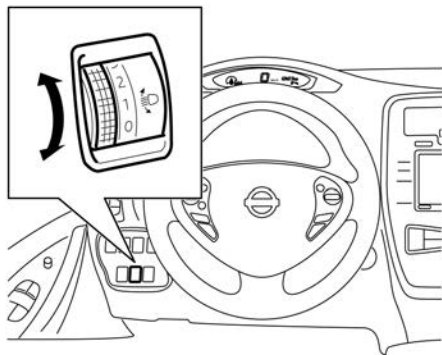
When the headlight switch is in the  or  position while the power switch is in the ON position, the lights will automatically turn off after pushing the power switch to the ACC, OFF or LOCK position and opening the driver's side door.

When the headlight switch remains in either the  or  position after the lights automatically turn off, the lights will turn on when the power switch is in the ON position or READY to drive position.

⚠ CAUTION

Do not leave the lights on when the power switch is in the OFF, ACC or ON position for extended periods of time to prevent the 12-volt battery from being discharged.

Headlight Aiming Control



Manual control:

The headlight aiming control operates when the power switch is in the ON/READY 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.

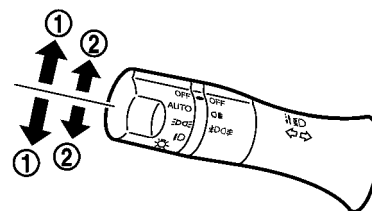
If the number of occupants and load/luggage in the vehicle changes, the headlight axis may become higher than normal. If the vehicle is

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.

Automatic aiming control (where fitted):

Vehicles with LED headlights are equipped with an automatic levelling system. Headlight axis is controlled automatically.



TURN SIGNAL SWITCH

⚠ CAUTION

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

① Turn signal

Move the lever up or down to signal the turning direction. When the turn is completed, the turn signals cancel automatically.

② Lane change signal

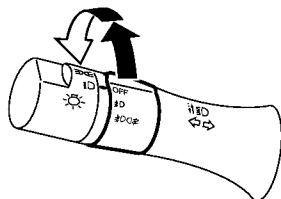
To indicate a lane change, move the lever up or down to the point where lights begin flashing.

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

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

FOG LIGHT SWITCH

FRONT FOG LIGHTS



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

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

The headlights must be on for the fog lights to operate.

When the headlight switch is in the **AUTO** position:

- Turning the fog light switch to the **FOG** position will turn on the headlights, fog

lights and the other lights while the power switch is in the **ON** or **READY** to drive position.

REAR FOG LIGHT

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

To turn the rear fog light off, turn the fog light switch to the **OFF** position again. Make sure the **FOG** indicator light on the instrument panel turns off.

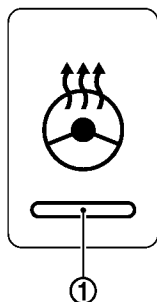
To turn both the front and rear fog lights off, turn the fog light switch to the **OFF** position. When the headlight switch is in the **AUTO** position:

- Turning the fog light switch to the **FOG** position will turn on the headlights, rear fog lights and the other lights while the power switch is in the **ON** or **READY** to drive position.

The headlights must be on for the rear fog light to operate. The rear fog light should be

used only when visibility is seriously reduced (generally, to less than 100m (328ft)).

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 approximately 20°C (68°F).

Push the heated steering wheel switch to warm the steering wheel when the power switch is in the ON position. The indicator light ① on the switch will illuminate.

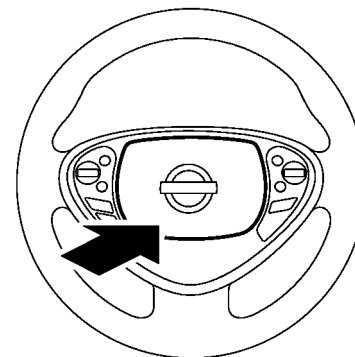
If the surface temperature of the steering wheel is below approximately 20°C (68°F), the system will heat the steering wheel and cycle off and on to maintain a temperature above 20°C (68°F). The indicator light will remain on as long as the system is on.

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.
- If the outside temperature is low (approximately 10°C (50°F) or less) and the Climate Ctrl. Timer or Remote Climate Control (where fitted) are used, the steering wheel heater will automatically operate in the following conditions:
 - When using the Climate Ctrl. Timer: Operates from approximately 15 minutes before the set departure time until the set departure time.
 - When using Remote Climate Control (where fitted): Operates 15 minutes after Remote Climate Control starts.

HORN



To sound the horn, push the centre pad area of the steering wheel.

WARNING

Do not disassemble the horn. Doing so could affect proper operation of the supplemental front air bag system. Tampering with the supplemental front air bag system may result in serious personal injury.

HEATED SEATS (where fitted)

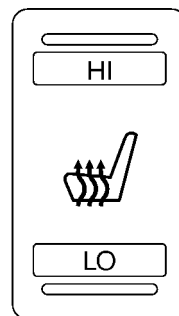
WARNING

Do not use or allow occupants to use the seat heater if you or the occupants cannot monitor elevated seat temperatures or have an inability to feel pain in those body parts in contact with the seat. Use of the seat heater by such people could result in serious injury.

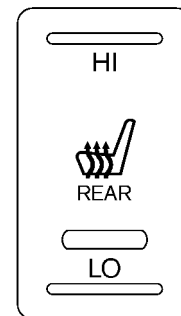
CAUTION

- 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 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 abnormalities are found or the heated seat does not operate, turn the switch off and have the system checked by a NISSAN certified electric vehicle dealer.



Front



Rear

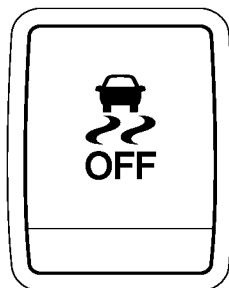
The front seats and the rear outboard seats (where fitted) can be warmed by built-in heaters. The switches located on the centre console and at the side of the front passenger seatback (where fitted for the rear seats) can be operated independently of each other.

1. Place the power switch in the ON position.
2. Push the LO or HI position of the switch, as desired, depending on the temperature. The indicator light in the switch will illuminate.
3. To turn off the heater, return the switch to the level position. Make sure the indicator light goes 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 the switch off.

ELECTRONIC STABILITY PROGRAMME (ESP) OFF SWITCH



switch is placed in the off position and then placed back in the READY to drive position. (See  "Electronic stability programme (ESP) system" in the "5. Starting and driving" section.)

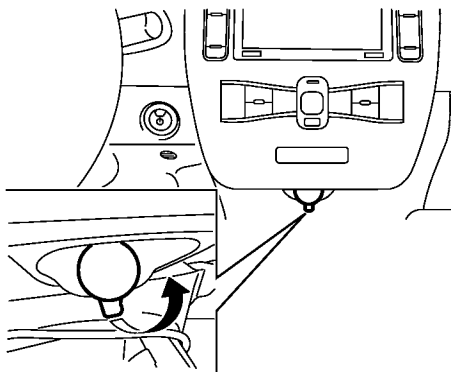
The vehicle should be driven with the Electronic Stability Programme (ESP) system on for most driving conditions.

If the vehicle is stuck in mud or snow, the ESP system reduces the traction motor output to reduce wheel spin. The traction motor speed will be reduced even if the accelerator is depressed to the floor. If maximum traction motor 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  indicator will illuminate.

Push the ESP OFF switch again or the ESP is automatically turned back on when the power

POWER OUTLET



The power outlet is located in the instrument panel.

⚠ CAUTION

- The outlet and plug may be hot during or immediately after use.
- 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 the power outlet with the power switch in the ON or READY to drive position to avoid discharging the 12-volt battery.

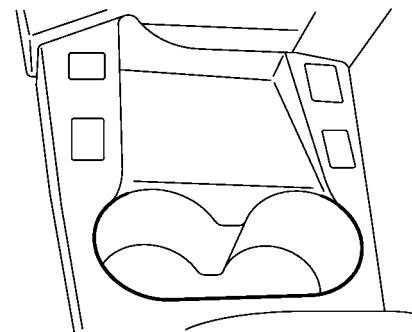
- Avoid using the power outlet when the air conditioner, headlights or rear window defogger are on.
- This power outlet is not designed for use with a cigarette lighter unit.
- Push the plug in as far as it will go. If good contact is not made, the plug may overheat or the internal temperature fuse may open.
- Before inserting or disconnecting a plug, make sure that the electrical accessory being used is turned OFF.
- When not in use, be sure to close the cap. Do not allow water to contact the outlet.

STORAGE

CUP HOLDERS

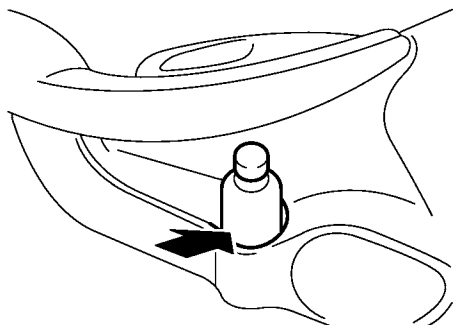
⚠ CAUTION

- Avoid abrupt starting and braking when the cup holder is being used to prevent spilling the drink. If the liquid is hot, it can scald you or your passenger.
- Use only soft cups in the cup holder. Hard objects can injure you in an accident.



Front

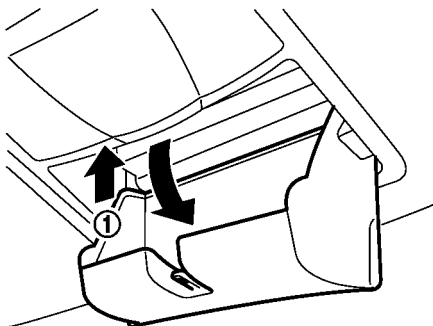
Soft bottle holders



⚠ CAUTION

- Do not use the 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 the bottle holder for open liquid containers.

SUNGLASSES HOLDER (where fitted)



⚠ WARNING

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

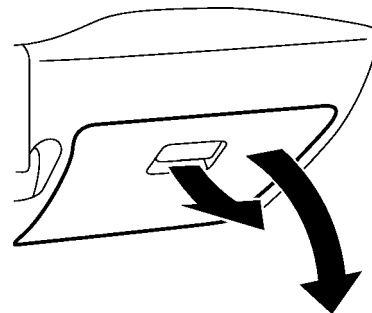
To open the sunglasses holder, push ①.

⚠ CAUTION

- Do not use for anything other than glasses.

- Do not leave glasses in the sunglasses holder while parking in direct sunlight. The heat may damage the glasses.

GLOVE BOX



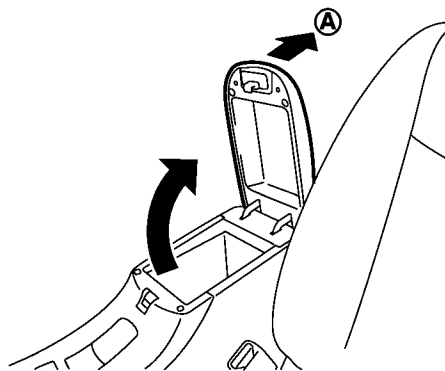
⚠ WARNING

Keep the glove box lid closed while driving to prevent injury in case of an accident or a sudden stop.

To open the glove box, pull the handle.

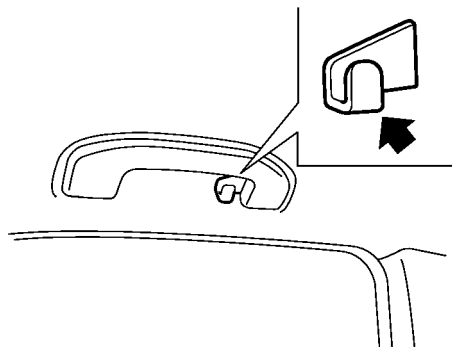
To close, push the lid in until the lock latches.

CONSOLE BOX



To open the console box, push up the knob (A) and pull up the lid. To close, push the lid down until it is latched.

COAT HOOKS



CAUTION

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

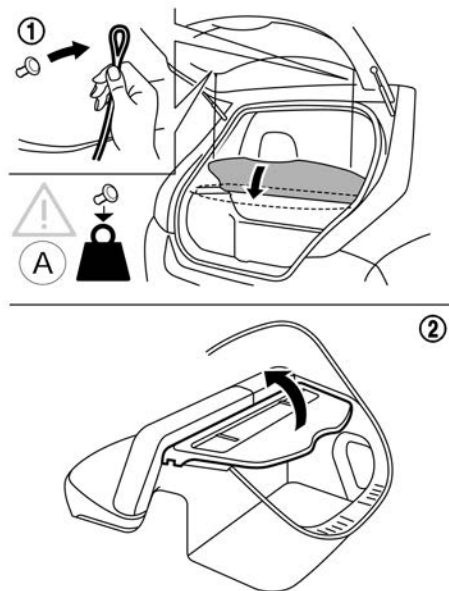
The coat hooks are fitted at the rear assist grips.

TONNEAU COVER (where fitted)

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 while it is disengaged from the holder.
- Properly secure all cargo with ropes or straps 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.
- Properly secure cargo and do not allow it to contact the top tether strap when it is attached to the top tether anchor. Cargo that is not properly secured or cargo that contacts the top tether strap may damage the top tether strap during a collision. If the tonneau cover contacts the top tether strap when it is attached to the top tether anchor, remove the tonneau cover from the vehicle or secure it on the cargo floor below its attachment

location. If the tonneau cover is not removed, it may damage the top tether strap during a collision. Your child could be seriously injured or killed in a collision if the child restraint top tether strap is damaged.



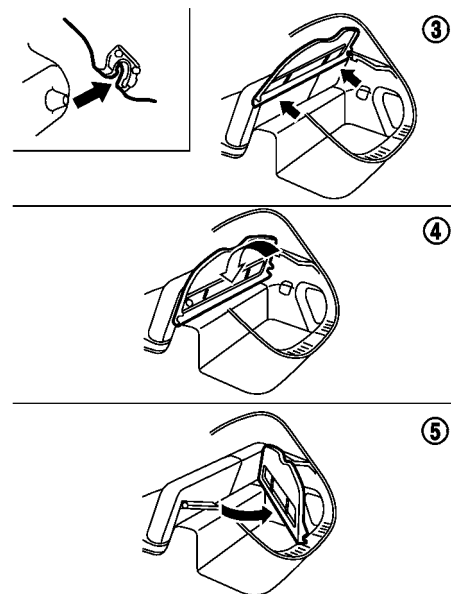
⚠ CAUTION

Do not apply a total load of more than 5 kg (11 lbs) (A) to each hook ① doing so may cause the hook to break.

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

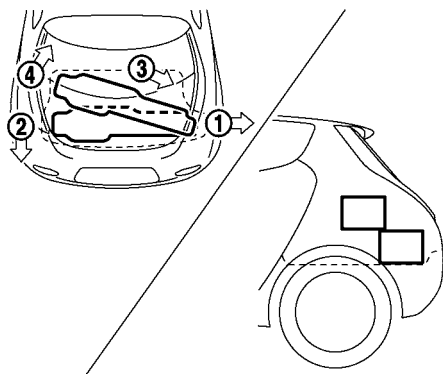
To remove the tonneau cover:

1. Remove the straps from the tailgate.
2. Pull up the tonneau cover.
3. Remove the tonneau cover holders from the rear pillar.



4. Slide down the tonneau cover along the rear seatback.
5. Remove the tonneau cover by pulling either the left or right side backward away from the pillar.

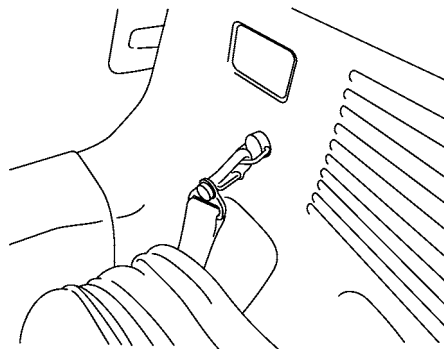
STOWING GOLF BAGS



Normally, two standard golf bags can be stowed in the boot. Insert the top of the golf bag into right side of the boot room ① then rotate the bag backward ②. Insert the top of the 2nd golf bag into right side of the boot room ③ and stow the bottom of golf bag forward all the way ④.

In some cases, you may not be able to stow two golf bags in your vehicle, depending on their sizes or types.

LUGGAGE SIDE HOOK



CAUTION

Do not apply a total load of more than 2 kg (4 lbs) to the hook. Doing so may cause the hook to break.

The hook is located at the side of the luggage room. You can use the hook to secure the Electric Vehicle Supply Equipment (EVSE).

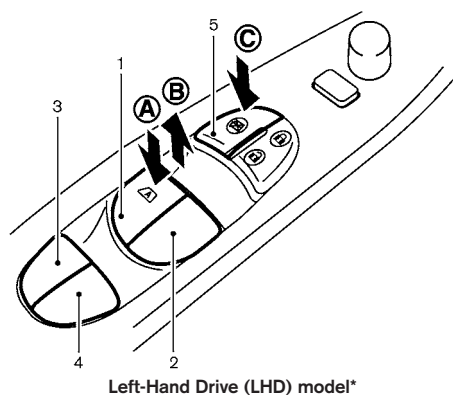
WINDOWS

POWER WINDOWS

WARNING

- Make sure that all passengers have their hands, etc. inside the vehicle while it is in motion and before closing the windows. Use the window lock switch to prevent unexpected use of 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.

Main power window switch



1. Driver side window
2. Front passenger side window
3. Rear left passenger side window
4. Rear right passenger side window
5. Window lock button

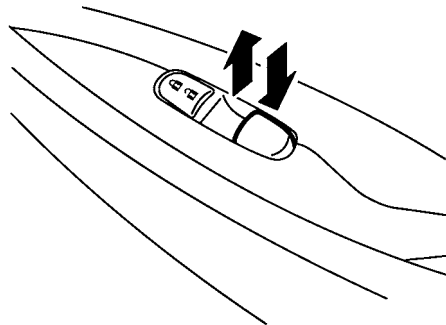
*: For the Right-Hand Drive (RHD) model, the layout will be the opposite.

To open or close the window, push down (A) or pull up (B) the switch and hold it. The main switch (driver's side switches) can open or close all the windows.

Locking passengers' windows

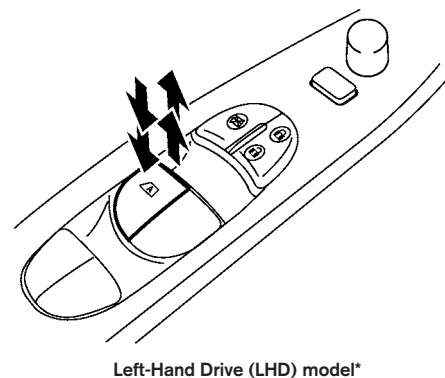
When the lock button (C) is pushed in, only the driver side window can be opened or closed. Push it in again to cancel.

Passenger side power window switch



The passenger's side power window switch will open or close only the corresponding window. To open or close the window, push down or pull up the switch and hold it.

Automatic operation



*: For the Right-Hand Drive (RHD) model, the layout will be the opposite.

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

To fully open or close the window, completely push down or pull up the switch and release it; the switch need not be held. The window will automatically open or close all the way. To stop the window, just push or lift the switch in the opposite direction.

A light push or pull on the switch will cause the window to open or close until the switch is released.

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.

The auto-reverse function may activate if an impact or load similar to something being caught in the window occurs.

Reinitialisation procedure

If the driver's side main power window system does not operate properly or the driver's window does not close automatically, perform the following procedure:

1. Place the power switch in the ON position.

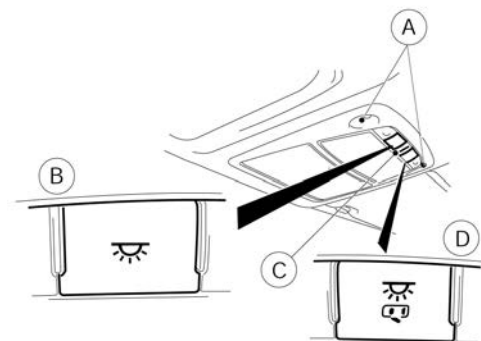
2. Close the door.
3. Open the window completely by operating the power window switch.
4. Pull the power window switch and hold it to close the window, and then hold the switch more than 3 seconds after the window is closed completely.
5. Release the power window switch. Operate the window by the automatic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

If the power window system does not operate properly after performing the procedure above, have your vehicle checked by a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

INTERIOR LIGHTS

⚠ CAUTION

Do not use for extended periods of time with the power switch in the OFF position. This could discharge the 12-volt battery.



FRONT INTERIOR LIGHTS

The light © (where fitted) will illuminate when the headlights come on.

Door OFF/ON button

When the door off/on button (D) is not pushed in, the lights (A) will illuminate under the following conditions:

- The power switch is placed in the LOCK position.
 - remain on for about 15 seconds.
- Doors are unlocked by pushing the “UN-LOCK”  button on the Intelligent Key or the door handle request switch, with the power switch in the LOCK position.
 - remain on for about 15 seconds.
- Any door is opened then closed with the power switch in LOCK position.
 - remain on for about 15 seconds.
- Any door is opened with the power switch in the ACC or ON position.
 - remain on while the door is opened.

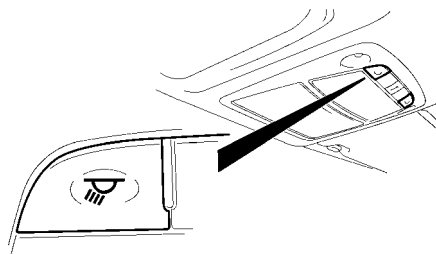
When the door is closed, the lights turn off.

When the door off/on button is pushed in for the OFF position, the lights will not illuminate under the above conditions. Only when the light  button (B) is placed in the ON position then the lights will come on.

The lights will automatically turn off after a period of time, when the lights remain on, to prevent the battery from becoming discharged.

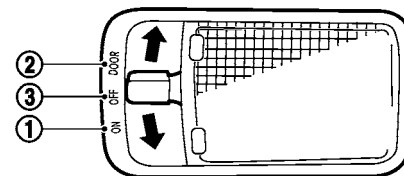
Lights ON/OFF position

Push the light  button (B) to turn off or on the lights (A).



Map light

Push the button  to turn off or on the map light.



REAR INTERIOR LIGHT

The light switch has three positions: ON, DOOR and OFF.

ON position

When the switch is in the ON position (1), the light will illuminate.

DOOR position

When the switch is in the DOOR position ②, the light will illuminate under the following conditions:

- The power switch is placed in the LOCK position
 - remains on for about 15 seconds.
- Doors are unlocked by pushing the “UNLOCK”  button on the Intelligent Key or the door handle request switch with the power switch in the LOCK position.
 - remains on for about 15 seconds.
- Any door is opened and then closed with the power switch in the LOCK position.
 - remains on for about 15 seconds.
- Any door is opened with the power switch in the ACC or ON position
 - remains on while the door is opened.
When the door is closed, the light turns off.

The light will automatically turn off after a period of time, when the light remains on, to prevent the battery from becoming discharged.

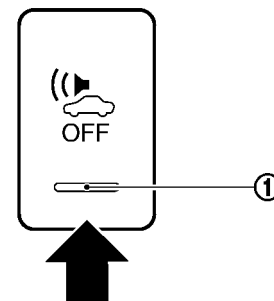
LUGGAGE COMPARTMENT LIGHT

The light comes on automatically when the tailgate is opened.

GLOVE BOX LIGHT

The light comes on automatically when the glove box is opened.

APPROACHING VEHICLE SOUND FOR PEDESTRIANS (VSP) OFF SWITCH



The Approaching Vehicle Sound for Pedestrians (VSP) system is a system that uses sound to help alert pedestrians of the presence of the vehicle when it is being driven at a low speed.

When the vehicle starts to move, it produces a sound.

The sound stops when the vehicle speed exceeds approximately 30 km/h (19 MPH).

The sound starts when the vehicle speed is less than approximately 25 km/h (16 MPH).

The sound stops when the vehicle stops.

Operation:

The VSP system is automatically turned on when the vehicle is in the READY to drive mode. (The indicator light ① on the button is off.)

- Push the VSP OFF () button to turn off the VSP system. (The indicator ① comes on when the system is off.)
- Push the  button again to turn on the VSP system. (The indicator ① turns off.)
- The system is reset when the power switch is turned off. The VSP system is automatically turned on when the power switch is turned on again.

NOTE:

Left-Hand Drive (LHD) model

The sound does not stop when the R (Reverse) position is selected even if the vehicle stops.

WARNING

- Drivers must use the VSP (especially when reversing the vehicle) with due care/consideration and ensure that they comply with the laws of the jurisdiction in which they operate the VSP.

- The VSP system should only be turned off in certain very unusual situations, where the presence of pedestrians is very unlikely, such as in a traffic jam on a highway. The VSP should never be shut off if there is a chance pedestrians will be present.
- If the vehicle is driven with the VSP switch off, pedestrians may not notice the oncoming vehicle, which may cause an accident resulting in serious personal injury or death.
- If the sound from the VSP system is not heard while driving, stop the vehicle in a safe and quiet location. Open a window, and then place the vehicle in the R (Reverse) position with the brake pedal firmly depressed. Check that the operating sound can be heard from the front side of the vehicle.
- If the sound cannot be heard when the VSP system is ON (VSP OFF indicator not illuminated), immediately contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer for inspection.

3 Pre-driving checks and adjustments

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KEYS

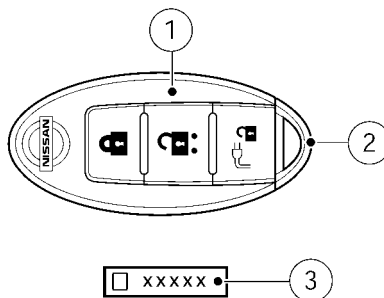
A key number plate is supplied with your keys. Record the key number and keep it in a safe place (such as your wallet), not in the vehicle. If you lose your keys, see a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer for duplicates by using the key number. NISSAN does not record any key numbers so it is very important to keep track of your key number plate.

A key number is only necessary when you have lost all keys and do not have one to duplicate from. If you still have a key, this key can be duplicated by a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

NOTE:

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

INTELLIGENT KEY



1. Intelligent Key (2)
2. Mechanical key (inside 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 knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer prior to use with the

Intelligent Key system and NATS of your vehicle. Since the registration process requires erasing all memory in the Intelligent Key components when registering new keys, be sure to take all Intelligent Keys that you have to a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer. It is possible that the Intelligent Key functions became cancelled. Contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

*:Immobilizer

⚠ CAUTION

- Be sure to carry the Intelligent Key with you when driving. The Intelligent Key is a precision device with a built-in transmitter. To avoid damaging it, please note the following.
 - The Intelligent Key is water resistant; however, wetting may damage the Intelligent Key. If the Intelligent Key gets wet, immediately wipe until it is completely dry.
 - Do not bend, drop or strike it against another object.

— Do not place the Intelligent Key for an extended period in a place where temperatures exceed 60°C (140°F).

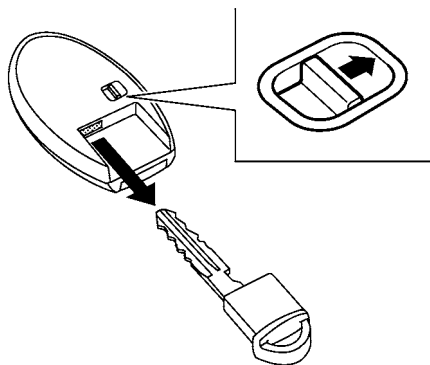
— Do not change or modify the Intelligent Key.

— Do not use a magnetic key holder.
— Do not place the Intelligent Key near an electric appliance such as a television set, personal computer or mobile phone.

— 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 knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

Mechanical key



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

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

Use the mechanical key to lock or unlock the doors. (See  "Doors" later in this section.)

⚠ CAUTION

Always carry the mechanical key installed in the Intelligent Key.

DOORS

⚠ WARNING

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

SUPER LOCK SYSTEM (for Right-Hand Drive (RHD) model)

⚠ 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 Intelligent Key. 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 Intelligent Key lock button when there is a clear view of the vehicle. This is to prevent anybody from being trapped inside the vehicle through the Super Lock System activation.

Locking the doors with the Intelligent Key or the door handle/tailgate request switch will lock all doors, including the tailgate, 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 Intelligent Key or the door handle/tailgate request switch.

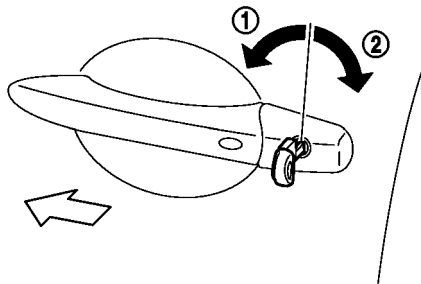
The Super Lock System will not activate when the doors are locked with the power door lock switch or the key.

Emergency situations

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

- Place the power switch in the ON position. The Super Lock System will be released and all the doors can be unlocked with the power door lock switch. You can then open the doors.
- Unlock the door using the Intelligent Key. The Super Lock System will be released and you can open the door.

LOCKING WITH MECHANICAL KEY



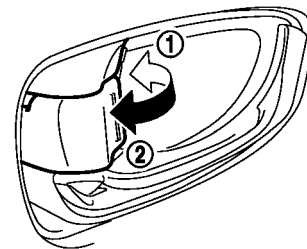
To lock the door, insert the key into the door key cylinder and turn the key to the front side of the vehicle ①. The driver's side door will lock.

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

To lock or unlock the other doors, use the power door lock switch, the "LOCK"  or "UNLOCK"  button on the Intelligent Key or any request switch.

LOCKING WITH INSIDE LOCK KNOB

Left-Hand Drive (LHD) model



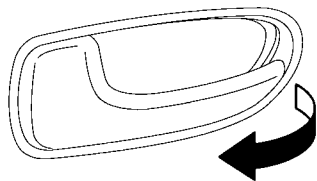
To lock the door without the key, move the inside lock knob to the lock position ① then close the door.

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

When the front door is locked, pulling the front door handle will unlock the front door.

When locking the door without a key, be sure not to leave the key inside the vehicle.

Right-Hand Drive (RHD) model



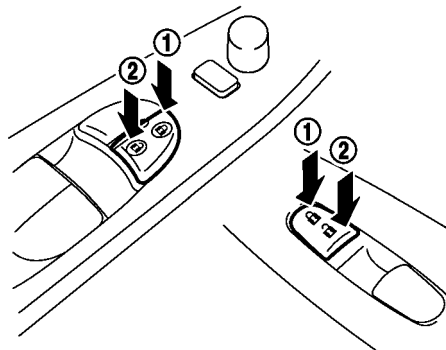
To unlock and open the door, pull the inside door handle as illustrated.

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

LOCKING WITH POWER DOOR LOCK SWITCH

⚠ CAUTION

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



Operating the power door lock switch will lock or unlock all the doors. The switches are located on the driver's and front passenger's door armrests.

Model without Super Lock System

To lock the doors, push the power door lock switch to the lock position ① with the driver's or front passenger's door open, then close the door.

When locking the door this way, be sure not to leave the key inside the vehicle.

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

Model with Super Lock System

To lock the doors, push the power door lock switch to the lock position ① with the driver's or front passenger's door open, then close the door. All doors including the tailgate will lock. To unlock, push the power door lock switch to the unlock position ②. When the Super Lock System is activated, it is not possible to operate the power door lock switch.

Lockout protection

The power door lock switch will not lock the doors under the following conditions:

- When the Intelligent Key is left inside of the vehicle and any door is open.
- When any door except for the driver's door is open.

AUTOMATIC DOOR LOCKS (where fitted)

When the "LOCK"  button, on the power door lock switch, is pressed all doors will be locked and it will be automatically unlocked, if the power switch is placed in the OFF position.

To activate or deactivate or the automatic door unlock system:

1. Close all doors.
2. Place the power switch in the ON position.
3. Within 20 seconds of performing step 2.

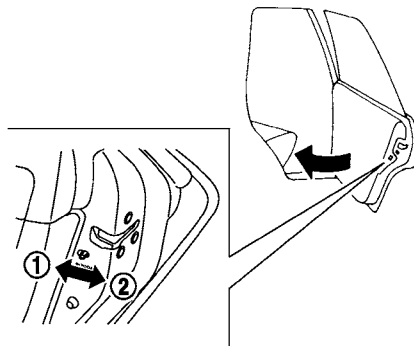
Push and hold the power door lock switch to the "UNLOCK"  position for more than 5 seconds.

4. When activated, the hazard warning lights will flash twice. When deactivated, the hazard warning lights will flash once.
5. The power switch must be placed in the OFF and ON position again between each setting change.

When the automatic door unlock system is deactivated, the doors do not unlock when the power switch is placed in the "OFF" position.

To unlock the door manually, use the inside lock knob or the power door lock switch (driver's or front passenger's side).

CHILD SAFETY REAR DOOR LOCK



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

When the levers are in the lock position ①, the rear doors can be opened only from the outside.

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

INTELLIGENT KEY SYSTEM

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 tailgate locks by using the integrated keyfob function or pushing the request switch on the vehicle without taking the key out from a pocket or purse. The operating environment and/or conditions may affect the Intelligent Key system operation.

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

CAUTION

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

The Intelligent Key is communicating with the vehicle using 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 or broadcasting station.
- When in possession of wireless equipment, such as a mobile phone, transceiver or 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 Intelligent Key battery varies depending on the operating conditions, the battery's life is approximately 2 years. If the battery is discharged, replace it with a new one.

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

When the Intelligent Key battery is almost discharged, firmly apply the footbrake and touch the power switch with the Intelligent Key. Then push the power switch while depressing the brake pedal within 10 seconds after the chime sounds. For details, see  "Intelligent Key battery discharge" in the "5. Starting and driving" section.

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

Pay special attention that the vehicle battery is not completely discharged.

As many as 4 Intelligent Keys can be registered and used with one vehicle. For information about the purchase and use of additional Intelligent Keys, contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

CAUTION

- **Do not allow the Intelligent Key, which contains electrical components, to come into contact with water or salt water. This could affect the functioning of the system.**
- **Do not drop the Intelligent Key.**
- **Do not strike the Intelligent Key sharply against another object.**
- **Do not change or modify the Intelligent Key.**
- **Do not place the Intelligent Key for an extended period in an area where temperatures exceed 60°C (140°F).**
- **Do not attach the Intelligent Key to a key holder that contains a magnet.**

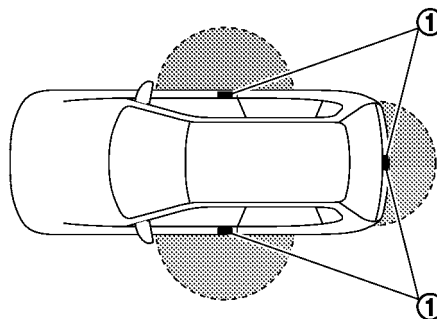
- Do not place the Intelligent Key near equipment that produces a magnetic field, such as a TV, audio equipment, personal computer or mobile phone.
- If the outside temperature is below -10°C (14°F), the Intelligent Key may not function properly.
- The Intelligent Key may be damaged if it gets wet. If the Intelligent Key gets wet, immediately wipe until it is completely dry.
- Make sure the Intelligent Key battery is in good condition. Note that battery life may vary depending on condition, amount of use, ambient temperature, etc.

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 knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

The Intelligent Key function can be disabled. For information about disabling the Intelligent

Key function, contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

INTELLIGENT KEY 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.

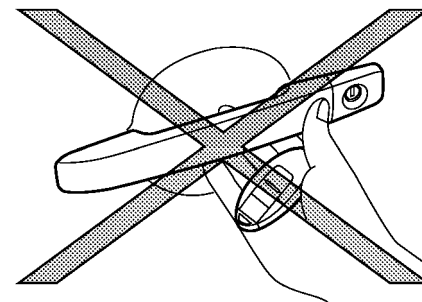
When the Intelligent Key battery is discharged or strong radio waves are present near the operating location, the Intelligent Key system's operating range becomes narrower, and the Intelligent Key may not function properly.

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.

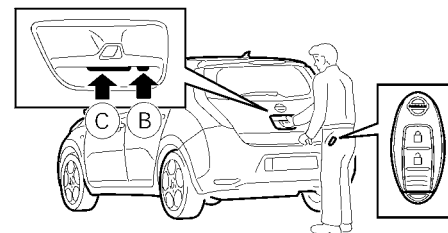
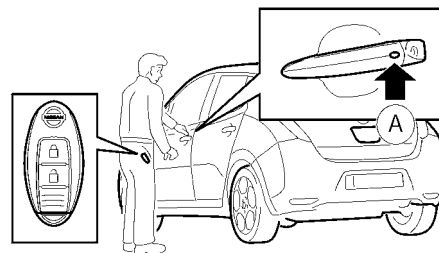
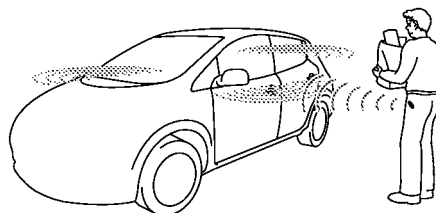
When the Intelligent Key is within the operating range, it is possible for anyone who does not carry the Intelligent Key to push the request switch to lock/unlock the doors including the tailgate.

DOOR LOCKS/UNLOCKS PRECAUTION



- 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 with the door handle request switch, verify the doors are securely locked by operating the door handles.
- To prevent the Intelligent Key from being left inside the vehicle, make sure you carry the key with you and then lock the doors.
- 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.
- For models with EV (Electric Vehicle) navigation system: The Intelligent Key system (opening/closing doors with the door handle request switch) can be set to remain inactive. See "Comfort settings" in the EV (Electric Vehicle) navigation system owner's manual".

INTELLIGENT KEY OPERATION



Ⓐ Door handle request switch

Ⓑ Tailgate request switch

Ⓒ Tailgate opener switch

You can lock or unlock the doors without taking the key out of your pocket or bag.

When the Intelligent Key is within the range of operation, you can lock or unlock all doors by pushing the door handle request switch on driver's or front passenger's door Ⓐ or the tailgate request switch Ⓑ.

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

Locking doors

1. Push the power switch to the OFF position and make sure you carry the Intelligent Key with you.*1
2. Close all the doors and the tailgate. *2
3. Push the door handle request switch on the driver's or front passenger's door (A) or the tailgate request switch (B) while carrying the Intelligent Key with you.*3
4. All the doors and the tailgate will lock.
5. The hazard indicator lights flash twice and the outside chime sounds twice.

*1: Doors will not lock with the Intelligent Key while the power switch is in the ACC or ON position.

*2: Doors will not lock with the Intelligent Key while any door is open.

*3: Doors will not lock by pushing the door handle request switch when the Intelligent Key is left inside the vehicle. However, when an Intelligent Key is inside the vehicle, doors can be locked with another registered Intelligent Key.

CAUTION

- After locking the door using the request switch, make sure that the doors have been securely locked by operating the door handles.
- When locking the doors using the request switch, make sure to have the Intelligent Key in your possession before operating the request switch to prevent the Intelligent Key from being left in the vehicle.
- The request switch is operational only when the Intelligent Key has been detected by the Intelligent Key system.

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 power door lock switch or the driver's inside lock knob (where fitted) after getting out of the vehicle, all the doors will unlock automatically and a chime will sound after the door is closed.

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

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

Unlocking doors

All door unlock mode:

When you first receive the vehicle, the door unlock mode is set to unlock all the doors with one push on the door handle request switch.

1. Carry the Intelligent Key
2. Push the door handle request switch (driver's or front passenger's) (A) or the tailgate request switch (B) once while carrying the Intelligent Key with you.
3. All doors and the tailgate will be unlocked.
4. Operate the door handles to open the doors.

Selective door unlock mode:

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

6. Operate the door handles to open the doors.

Switching door unlock mode:

To switch between all doors unlock mode and selective door unlock mode, push the "LOCK"  and "UNLOCK"  buttons on the Intelligent Key simultaneously for more than 4 seconds. For details, see  "Switching door unlock mode" later in this section.

Automatic relock:

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

- Opening any door.
- Pushing the power switch.

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

Opening tailgate

1. Carry the Intelligent Key.
2. Push the tailgate opener switch (C).
3. The tailgate will unlock and open.

12-VOLT BATTERY SAVER SYSTEM

When all the following conditions are met for period of time, the battery saver system will cut off the power supply to prevent 12-volt battery discharge.

- Power switch is in ACC or ON position
- All doors are closed
- The vehicle is in the P (Park) position

The battery saver feature will be suspended if any of the following occur:

- Any door is opened
- Power switch position is changed
- Shift lever position is changed
- Hazard flasher switch is on

WARNING SIGNALS

To help prevent the vehicle from moving unexpectedly by erroneous operation of the Intelligent Key listed on the following chart or to help prevent the vehicle from being stolen, chime or beep sounds inside and outside the vehicle and a warning displays in the vehicle information display.

When a chime or beep sounds or the warning displays, be sure to check the vehicle and Intelligent Key.

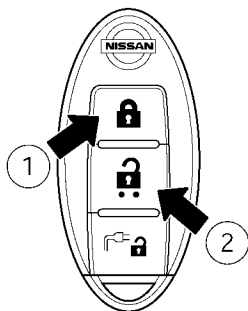
See  "Troubleshooting guide" later in this section.

TROUBLESHOOTING GUIDE

	Symptom	Possible cause	Action to take
When opening the driver's door to get out of the vehicle.	The inside warning chime sounds continuously.	The power switch is pushed to the OFF position while the driver's door is open.	Close the driver's door.
		The power switch is in the ACC position.	Push the power switch to the OFF position then close the driver's door.
When closing the door after getting out of the vehicle	The KEY is not detected warning appears on the display, the outside chime sounds 3 times and the inside warning chime sounds for a few seconds.	The power switch is in the ACC or ON position.	Push the power switch to the OFF position.
	The outside chime sounds continuously.	The power switch is in the ACC or OFF position, the electric shift control system has malfunctioned and the vehicle cannot be placed in the P (Park) position when the parking brake is not applied.	Confirm the parking brake is applied.
When closing the door with the inside lock knob (where fitted) turned to LOCK	The outside chime sounds for a few seconds and all the doors unlock.	The Intelligent Key is inside the vehicle or cargo area.	Carry the Intelligent Key with you.
When pushing the request switch or the  button on the Intelligent Key to lock the door	The outside chime sounds for a few seconds.	The Intelligent Key is inside the vehicle or a cargo area.	Carry the Intelligent Key with you.
		A door is not closed securely.	Close the door securely.
When pushing the power switch in the READY to drive position	The Intelligent Key battery discharge indicator appears on the display.	The Intelligent Key battery charge is low.	Replace the battery with a new one. (See  "Intelligent Key battery replacement" in the "8. Maintenance and do-it-yourself" section.)
	The Key is not detected warning appears on the display and the inside warning chime sounds for a few seconds.	The Intelligent Key is not in the vehicle.	Carry the Intelligent Key with you.
When pushing the power switch	The Intelligent Key system warning indicator light appears on the display.	It warns of a malfunction with the Intelligent Key system.	Contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

USING REMOTE KEYLESS ENTRY FUNCTION

Operating range



It is possible to lock/unlock all doors including the tailgate 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 the Intelligent Key battery, see “Intelligent Key battery replacement” in the “8. Maintenance and do-it-yourself” section.

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 Intelligent Key. 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 Intelligent Key lock button when there is a clear view of the vehicle. This is to prevent anybody from being trapped inside the vehicle through the Super Lock System activation.

Locking doors

1. Place the power switch in the LOCK position and make sure you have the Intelligent Key with you when exiting the vehicle.
2. Close all doors (including the tailgate).
3. Push the button ① on the Intelligent Key.
 - All doors will be locked.
 - Hazard indicator lights flash once.
4. Operate the door handles to confirm that the doors have been securely locked.

NOTE:

If the Intelligent Key is left in the vehicle and the door/tailgate outside lock switch is pressed, a buzzer will sound, warning the owner that the Intelligent Key has been left inside the vehicle.

Unlocking doors

All doors unlock mode:

When you first receive the vehicle, the door unlock mode is set to unlock all the doors with one push on the button ②.

Push the button on the Intelligent Key.

- All doors (including the tailgate) will be unlocked.
- Hazard indicator lights flash twice.

Selective door unlock mode:

Selective door unlock mode allows the remote unlocking of only the driver's door to prevent an attacker from entering the vehicle via an unlocked passenger door.

1. Push the  button on the Intelligent Key.
 - The driver's door unlocks.
 - Hazard indicator lights flash twice quickly.
2. Push the  button on the Intelligent Key again.
 - All doors (including the tailgate) will be unlocked.
 - Hazard indicator lights flash twice.

Switching door unlock mode:

Follow the instructions below to switch between all doors unlock mode and selective door unlock mode.

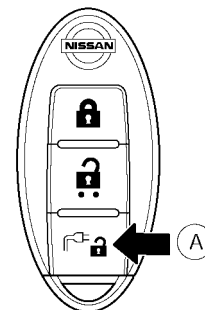
1. Place the power switch in the LOCK position and exit the vehicle.

2. From outside the vehicle, lock the vehicle using  button.
3. Push and hold both the  and  buttons on the Intelligent Key at least for 4 seconds.
 - When the selective door unlock mode is set, the hazard indicator lights flash once.
 - When the all door unlock mode is set, the hazard indicator lights flash 3 times.
4. Push  button to activate the mode.

Automatic relock:

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

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



Opening charge port lid:

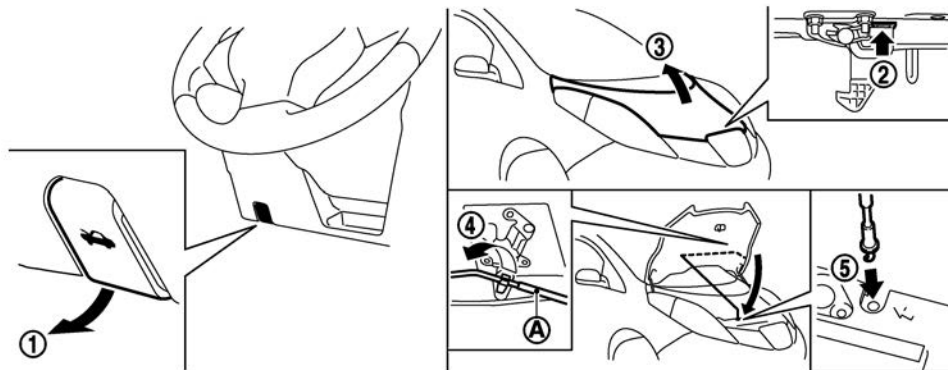
The charge port lid may be opened by pressing and holding the charge connector lock button (A).

For additional information, see  "Opening charge port lid" later in this section.

BONNET

⚠ WARNING

- Make sure that the bonnet is completely closed and latched before driving. Failure to do so could cause the bonnet to open during driving and result in an accident.
- If steam or smoke is emitting from the motor compartment, do not open the bonnet. Doing so could cause an injury.



When opening the bonnet:

Hold the coated part (A) of the support rod. Avoid direct contact with the metal parts because they may be hot immediately after the electric vehicle system has been stopped.

1. Pull the bonnet release handle (1) located below the instrument panel. The bonnet will then spring up slightly.
2. Locate the lever (2) in between the bonnet and charge port lid, and push the lever upward with your fingertips.
3. Raise the bonnet (3).

4. Remove the support rod (4) from the bonnet and insert it into the slot (5).

When closing the bonnet:

⚠ CAUTION

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

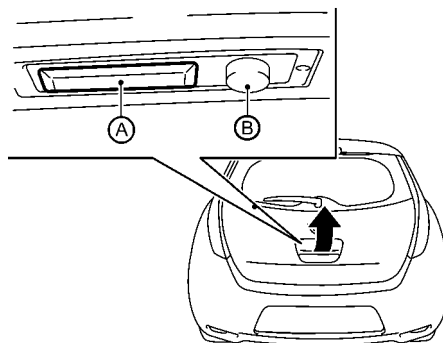
1. While supporting the bonnet, return the support rod to its original position.

2. Slowly lower the bonnet to about 20 – 30 cm (8 – 12 in.) above the bonnet lock, then let it drop.
3. Make sure the bonnet is securely latched.

TAILGATE

⚠ WARNING

- Always make sure that the tailgate has been closed securely to prevent it from opening while driving.
- Do not drive with the tailgate open.
- Make sure that all passengers have their hands, etc. inside the vehicle before closing the tailgate.

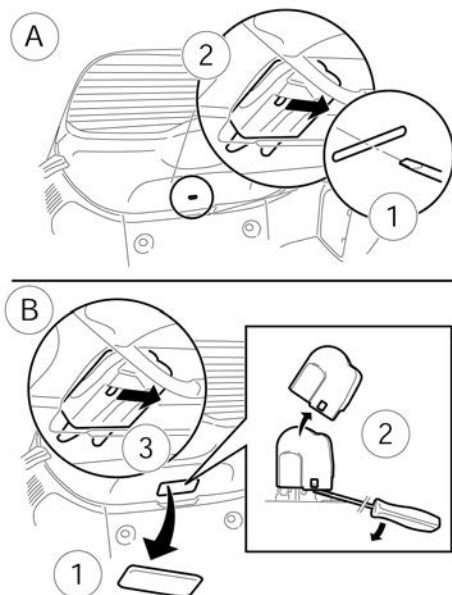


To open the tailgate, unlock it with one of the following operations, then push the tailgate opener switch (A) and pull up the tailgate to open it.

- Push the “UNLOCK”  button on the Intelligent Key once (or twice*).
- Push the door handle request switch once (or twice*).
- Insert the mechanical key into the driver's door key cylinder and turn it towards the rear of the vehicle once (or twice*).
- Push the power door lock switch on the driver's door to the unlock position.
- Push the tailgate request switch (B) (Make sure to carry the Intelligent Key with you).
- Push the tailgate opener switch.

*: when the door lock mode is set in the selective door unlock mode.

TAILGATE EMERGENCY RELEASE LOCK



The tailgate can be unlocked from the inside when the battery is discharged. Tilt the seat-back down. See  “Folding” in the

“1. Safety — seats, seat belts and supplemental restraint system” section for more information regarding the seat operation.

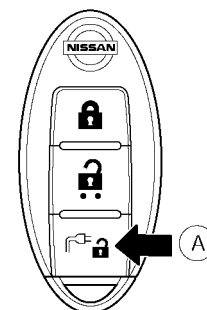
- Type A:
Locate the lever (2) behind the slit of the trim (1) then insert a suitable screwdriver to slide the lever (2) to unlock the tailgate, as illustrated.
- Type B (where fitted):
 - 1) Remove the trim cover (1).
 - 2) Remove the white cover (2) (where fitted) from the lock.
 - 3) Slide the release lever to unlock the tailgate, as illustrated.

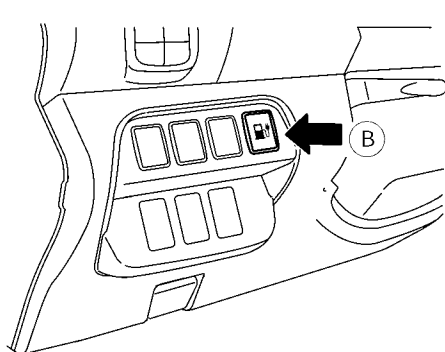
CHARGE PORT LID

OPENING CHARGE PORT LID

CAUTION

Make sure that the charge port lid is completely closed and latched before driving. Failure to do so could cause the lid to open suddenly during driving.





1. To open the charge port lid, perform one of the following operations:

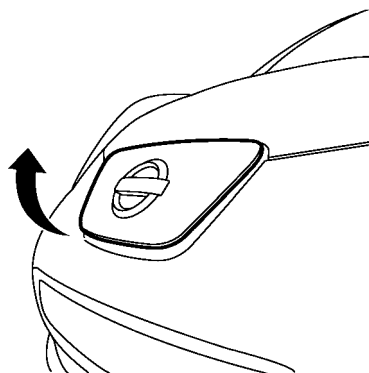
- Press and hold the charge port lid opener button (A) on the Intelligent Key for more than 1 seconds or,
- Press the charge port lid opener switch (B) located on the instrument panel

The charge port lid will open and a chime will sound 3 times and the charging status indicator lights flash 3 times.

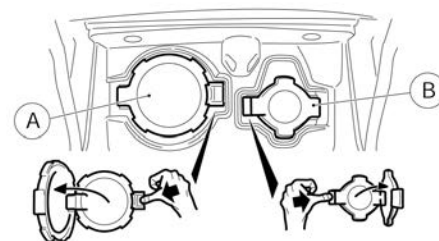
2. Open the lid to the fully open position.

To close the charge port lid:

1. Slowly move the lid down.
2. Lock it securely into place.



CHARGE PORT CAP



(A) Quick charge port

(B) Normal charge port

Press the latch to open the cap. When closing the charge port cap, it will lock automatically.

⚠ CAUTION

- When charging is finished, be sure to close the charge port cap. If water or dust gets inside the charge port, this may cause a malfunction.

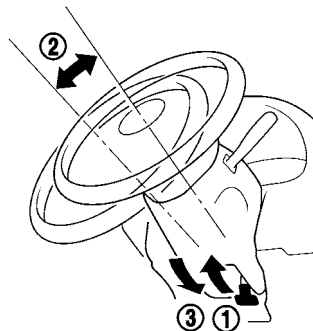
- Pay particular attention when using the normal charge port as the charge port lid can be closed even when the normal charge port cap is open.
- Close the charge port cap before closing the charging lid. The charge port cap can be damaged if it is open when closing the charge port lid.

TILT STEERING COLUMN

⚠ WARNING

Do not adjust the steering wheel while driving. You could lose control of your vehicle and cause an accident.

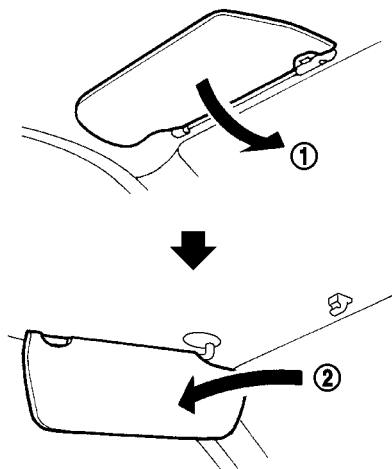
TILT OPERATION



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

Firmly push the lock lever down ③ back into position to lock the steering wheel in place.

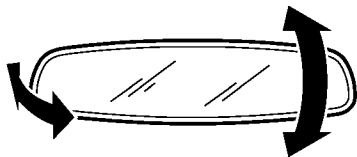
SUN VISORS



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

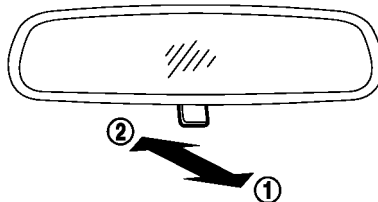
MIRRORS

INSIDE REARVIEW MIRROR



Adjust the angle of the inside rearview mirror to the preferred position.

Manual anti-glare type



The night position ① will reduce glare from the headlights of vehicles behind you at night.

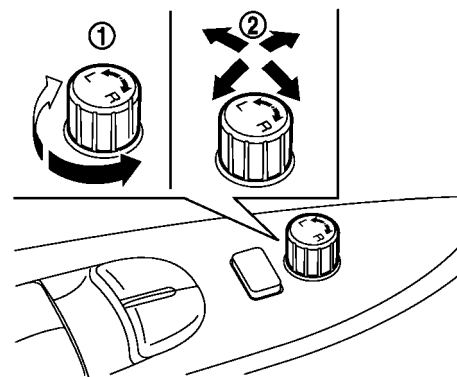
Use the day position ② when driving in daylight hours.

WARNING

Use the night position only when necessary, because it reduces rear view clarity.

OUTSIDE MIRRORS

Adjusting outside mirrors



WARNING

- Never touch the outside rearview mirrors while they are in motion. Doing so may pinch your fingers or damage the mirror.
- Never drive the vehicle with the outside rearview mirrors folded. This reduces rear view visibility and may lead to an accident.

- Objects viewed in the outside mirror are closer than they appear.
- The picture dimensions and distance in the outside mirrors are not real.

The outside mirror control switch is located on the armrest.

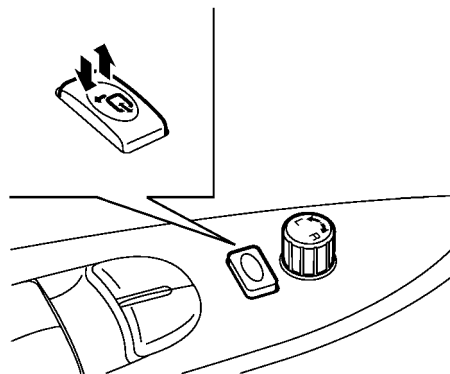
The outside mirror will operate only when the power switch is in the ACC, ON or READY position.

Turn the switch right or left to select the right or left side mirror ①, then adjust the mirror using the control switch ②.

Defogging (where fitted)

The outside mirrors will be heated when the rear window defogger switch is operated. (See  "Rear window and outside mirror defogger switch (where fitted)" in the "2. Instruments and controls" section.)

Folding outside mirrors



Remote control type:

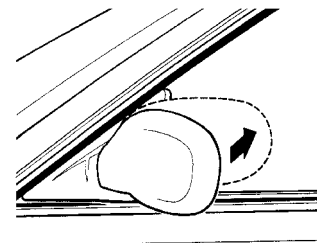
The outside rearview mirror remote control operates when the power switch is in the ACC, ON or READY position.

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

CAUTION

Continuously performing the fold/unfold operation of the outside rearview mirror

may cause the switch to stop the operation. To restore the switch operation, push the switch to the neutral position before adjusting the mirror position.



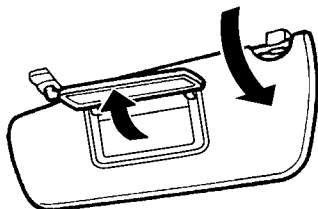
Manual type:

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

Auto-fold type (where fitted):

The outside rearview mirrors automatically fold when the doors are locked with the intelligent key. The mirrors unfold when the doors are unlocked and the power switch is pressed.

VANITY MIRROR



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

4 Display screen, heater and air conditioner (climate control system)

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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 knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer. Ignoring such conditions may lead to an accident, fire or electric shock.
- Do not disassemble or modify this system. If you do, it may lead to an accident, fire, or electric shock.

CAUTION

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

REARVIEW MONITOR (Type A — where fitted)

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

The system is designed as an aid to the driver in detecting large stationary objects to help avoid damaging the vehicle. The system will not detect small objects below the bumper and may not detect objects close to the bumper or on the ground.

WARNING

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

- The RearView Monitor is a convenience but it is not a substitute for proper reversing. Always turn your head and look out the windows, and check mirrors to be sure that it is safe to move before operating the vehicle. Always reverse slowly.
- The system is designed as an aid to the driver in showing large stationary objects directly behind the vehicle, to help avoid damaging the vehicle.

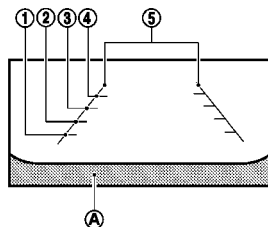
- The system cannot completely eliminate blind spots and may not show every object.
- Underneath the bumper and the corner areas of the bumper cannot be viewed on the RearView Monitor because of its monitoring range limitation. The system will not show small objects below the bumper, and may not show objects close to the bumper or on the ground.
- Objects viewed in the RearView monitor differ from actual distance because a wide-angle lens is used.
- Objects in the RearView Monitor will appear visually opposite than when viewed in the rear view and outside mirrors.
- Make sure that the tailgate is securely closed when reversing.
- Do not put anything on the rear view camera. The rear view camera is installed above the number plate.
- When washing the vehicle with high-pressure water, be sure not to spray it around the camera. Otherwise, water may enter the camera unit caus-

ing water condensation on the lens, a malfunction, fire or an electric shock.

- Do not strike the camera. It is a precision instrument. Otherwise, it may malfunction or cause damage resulting in a fire or an electric shock.

⚠ CAUTION

There is a plastic cover over the camera. Do not scratch the cover when cleaning dirt or snow from the cover.



HOW TO READ THE DISPLAYED LINES

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

Distance guide lines ① to ④:

Indicate distances from the rear bumper.

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

Vehicle width guide lines ⑤:

Indicates the vehicle width when reversing.

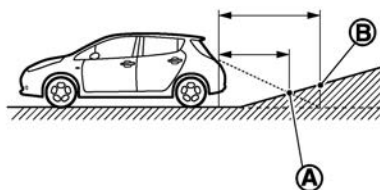
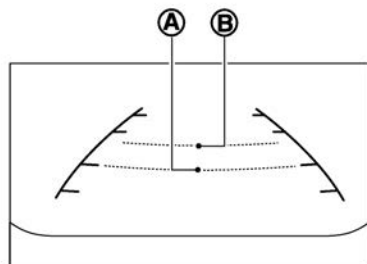
⚠ WARNING

- Use the displayed lines as a reference. The lines are highly affected by the number of occupants, vehicle position, road condition and road grade. Always check with your eyes directly around the vehicle while reversing.
- When reversing the vehicle up a hill, objects viewed in the monitor are further than they appear. When reversing the vehicle down a hill, objects

viewed in the monitor are closer than they appear. Use the inside mirror or glance over your shoulder to properly judge distances to other objects.

DIFFERENCE BETWEEN PREDICTED AND ACTUAL DISTANCES

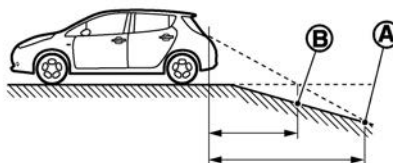
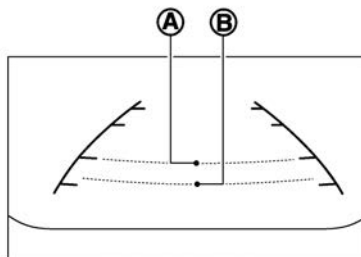
The distance guide line and the vehicle width guide line should be used as a reference only when the vehicle is on a level, paved surface. The distance viewed on the monitor is for reference only and may be different than the actual distance between the vehicle and displayed objects.



Reversing on a steep uphill

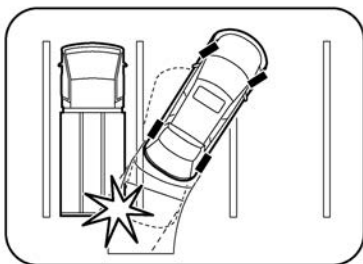
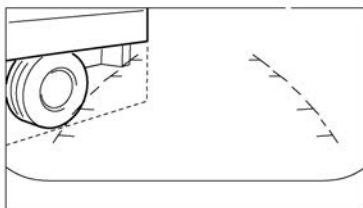
When reversing the vehicle up a hill, the distance guide lines and the vehicle width guide lines are shown closer than the actual distance. For example, the display shows 1 m (3 ft) to the place (A), but the actual 1 m (3 ft) dis-

tance on the hill is the place (B). Note that any object on the hill is viewed in the monitor further than it appears.



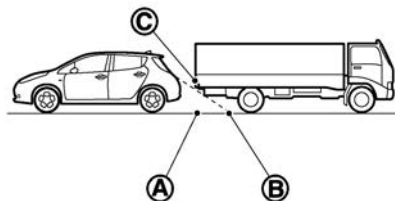
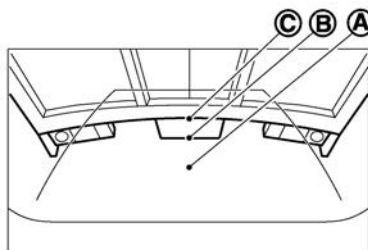
Reversing on a steep downhill

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 (A), but the actual 1 m (3 ft) distance on the hill is the place (B). Note that any object on the hill is viewed in the monitor closer than it appears.



Reversing near a projecting object

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



Reversing behind a projecting object

The position (C) is shown further than the position (B) in the display. However, the position (C) is actually at the same distance as the position (A). The vehicle may hit the object

when reversing to the position (A) if the object projects over the actual reversing course.

OPERATING TIPS

- When the shift lever is shifted to R (Reverse), the monitor screen automatically changes to the rearview monitor mode. However, the radio can be heard.
- It may take some time until the rearview monitor or the normal screen is displayed after the shift lever has been shifted to R (Reverse) from another position or to another position from R (Reverse). Objects may be distorted momentarily until the rearview monitor screen is displayed completely.
- When the temperature is extremely high or low, the screen may not clearly display objects. This is not a malfunction.
- When strong light shines directly on to the camera, objects may not be displayed clearly. This is not a malfunction.
- Vertical lines may be seen in objects on the screen. This is due to strong reflected light from the bumper. This is not a malfunction.
- The screen may flicker under fluorescent light. This is not a malfunction.

- The colours of objects on the rearview monitor may differ somewhat from those of the actual object.
- Objects on the monitor may not be clear in a dark place or at night. This is not a malfunction.
- If dirt, rain or snow attaches to the camera, the rearview monitor may not clearly display objects. Clean the camera.
- Do not use alcohol, benzine or thinner to clean the camera. This will cause discoloration. To clean the camera, wipe with a cloth dampened with diluted mild cleaning agent and then wipe with a dry cloth.
- Do not damage the camera as the monitor screen may be adversely affected.
- Do not use wax on the camera window. Wipe off any wax with a clean cloth dampened with mild detergent diluted with water.

REARVIEW MONITOR (Type B — where fitted)

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

The system is designed as an aid to the driver in detecting large stationary objects to help avoid damaging the vehicle. The system will not detect small objects below the bumper and may not detect objects close to the bumper or on the ground.

WARNING

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

- The RearView Monitor is a convenience but it is not a substitute for proper reversing. Always turn your head and look out the windows, and check mirrors to be sure that it is safe to move before operating the vehicle. Always reverse slowly.
- The system is designed as an aid to the driver in showing large stationary objects directly behind the vehicle, to help avoid damaging the vehicle.

- The system cannot completely eliminate blind spots and may not show every object.
- Underneath the bumper and the corner areas of the bumper cannot be viewed on the RearView Monitor because of its monitoring range limitation. The system will not show small objects below the bumper, and may not show objects close to the bumper or on the ground.
- Objects viewed in the RearView monitor differ from actual distance because a wide-angle lens is used.
- Objects in the RearView Monitor will appear visually opposite than when viewed in the rear view and outside mirrors.
- Make sure that the tailgate is securely closed when reversing.
- Do not put anything on the rear view camera. The rear view camera is installed above the number plate.
- When washing the vehicle with high-pressure water, be sure not to spray it around the camera. Otherwise, water may enter the camera unit caus-

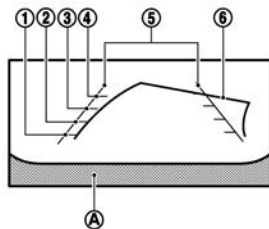
ing water condensation on the lens, a malfunction, fire or an electric shock.

- Do not strike the camera. It is a precision instrument. Otherwise, it may malfunction or cause damage resulting in a fire or an electric shock.

⚠ CAUTION

There is a plastic cover over the camera. Do not scratch the cover when cleaning dirt or snow from the cover.

HOW TO READ DISPLAYED LINES



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

Distance guide lines:

Indicate distances from the bumper.

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

Vehicle width guide lines (5):

Indicate the vehicle width when reversing.

Predictive course lines (6):

Indicate the predictive course when reversing. The predictive course lines will be displayed on the monitor when the shift lever is in the R (Reverse) position and the steering wheel is turned. The predictive course lines will move depending on how much the steering wheel is turned and will not be displayed while the steering wheel is in the neutral position.

How to adjust RearView screen

To adjust the Brightness, Tint, Colour, Contrast and Black Level of the RearView Monitor.

1. Touch the touch screen display with the RearView Monitor on.
2. Touch [Display].
3. Select an item to adjust.

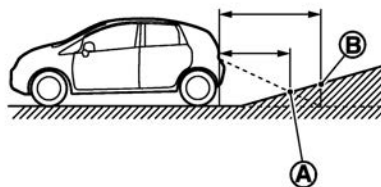
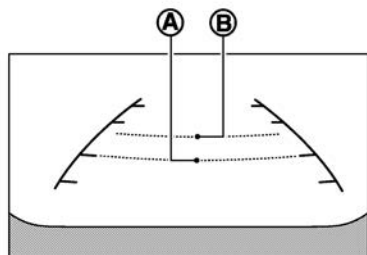
Do not adjust the Brightness, Tint, Colour, Contrast and Black Level of the RearView Monitor while the vehicle is moving.

ABOUT REARVIEW MONITOR

Difference between predicted and actual distances

The distance guide line and the vehicle width guide line should be used as a reference only when the vehicle is on a level, paved surface. The distance viewed on the monitor is for reference only and may be different from the actual distance between the vehicle and displayed objects.

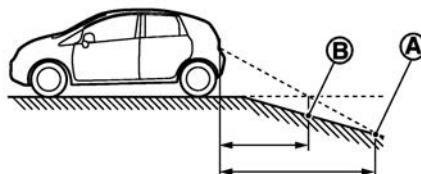
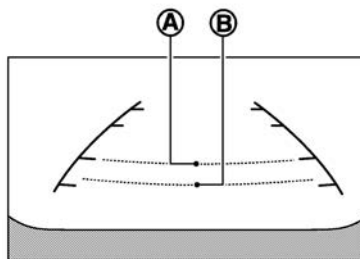
Reversing on a steep uphill:



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 a distance of 1.0 m (3 ft) to position (A), but the actual position (B) on the hill is located at a

distance of 1.0 m (3 ft). Note that any object on the hill is further than it appears on the monitor.

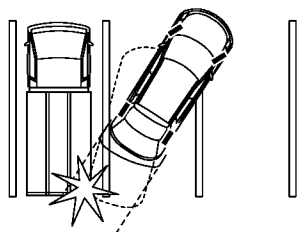
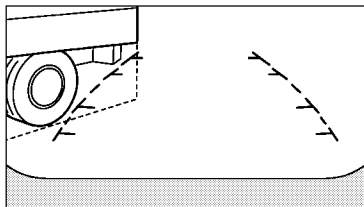
Reversing on a steep downhill:



When reversing the vehicle down a hill, the distance guide lines and the vehicle width

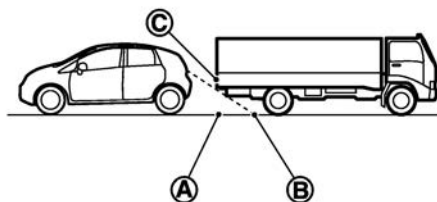
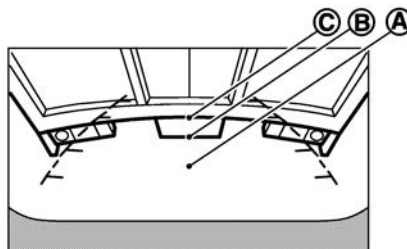
guide lines are shown further than the actual distance. For example, the display shows a distance of 1.0 m (3 ft) to position (A), but the actual position (B) on the downhill is located at a distance of 1.0 m (3 ft). Note that any object on the downhill is closer than it appears on the monitor.

Reversing near a projecting object:



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

Reversing behind a projecting object:



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

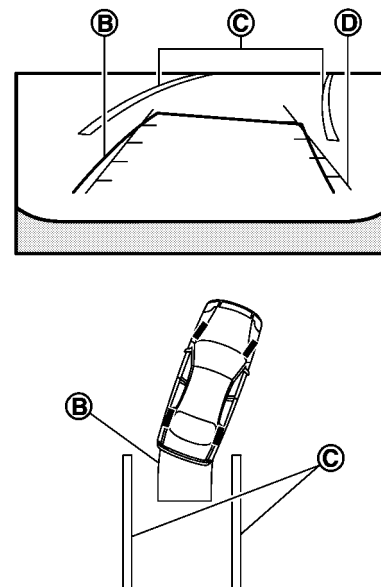
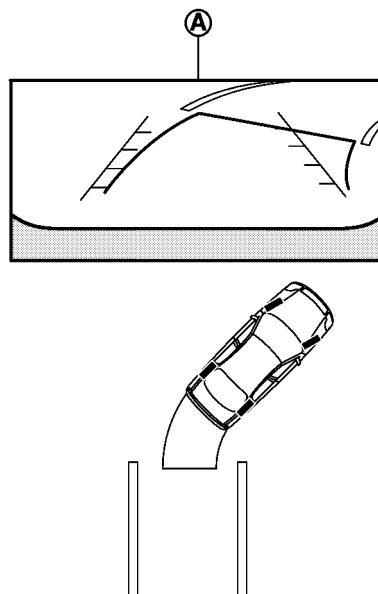
HOW TO PARK WITH PREDICTIVE COURSE LINES

⚠ WARNING

- Always check that it is safe to park your car before reversing. Always reverse slowly.
- Use the displayed lines as a reference. The lines are highly affected by the number of occupants, vehicle position, road condition and road grade.
- If the tyres are replaced with different sized tyres, the predictive course line may not be displayed correctly.
- On a snow-covered or slippery road, there may be a difference between the predictive course line and the actual course line.
- If the battery is disconnected or becomes discharged, the predictive course lines may not be displayed correctly. If this occurs, perform the following procedures.
 - Turn the steering wheel from lock to lock while the READY to drive indicator light is ON.

- Drive the vehicle on a straight road for more than 5 minutes.
- When the steering wheel is turned with the power switch in the ACC position, the predictive course lines may be displayed incorrectly.
- The distance guide line and the vehicle width guide line should be used as a reference only when the vehicle is on a level paved 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.
- When reversing the vehicle up a hill, objects viewed in the monitor are further than they appear. When reversing the vehicle down a hill, objects viewed in the monitor are closer than they appear. Use the inside mirror or glance over your shoulder to properly judge distances to other objects.

The vehicle width and predictive course lines are wider than the actual width and course.



1. Visually check that the parking space is free of obstacles before parking your vehicle.
2. The RearView of the vehicle is displayed on screen (A) as illustrated when the shift lever is moved to the R (Reverse) position.
3. Slowly reverse the vehicle, adjusting the steering wheel so that the predictive course lines (B) remain within the restrictions of the parking space (C).

4. Manoeuvre the steering wheel to align the vehicle width guide lines (D) parallel to the parking space (C) while referring to the predictive course lines (B).
5. When the vehicle is parked, push the P (Park) button on the shift lever and apply the parking brake.

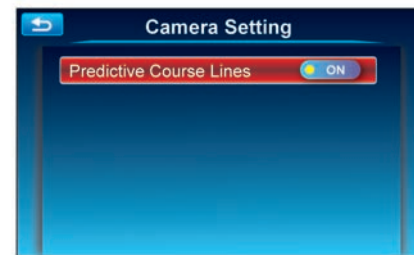
Operating tips

- When the shift lever is shifted to the R (Reverse) position, the monitor screen automatically changes to the RearView Monitor mode.
- It may take some time until the RearView Monitor is displayed after the shift lever has been shifted to R from another position or to another position from R. Objects may be distorted momentarily until the RearView Monitor screen is displayed completely.
- When the temperature is extremely high or low, the screen may not clearly display objects. This is not a malfunction.
- When strong light directly enters the camera, objects may not be displayed clearly. This is not a malfunction.

- Vertical lines may be seen in objects on the screen. This is due to strong reflected light from the bumper. This is not a malfunction.
- The screen may flicker under fluorescent light. This is not a malfunction.
- The colours of objects on the RearView Monitor may differ somewhat from those of the actual object.
- Objects on the monitor may not be clear in a dark place or at night. This is not a malfunction.
- If dirt, rain or snow attaches to the camera lens cover, the RearView Monitor may not clearly display objects. Clean the cover.
- Do not use alcohol, benzene or thinner to clean the camera lens cover. This will cause discolouration. To clean the cover, wipe with a cloth dampened with diluted mild cleaning agent and then wipe with a dry cloth.
- Do not damage the camera as the monitor screen may be adversely affected.
- Do not use wax on the camera lens cover. Wipe off any wax with a clean cloth dampened with mild detergent diluted with water.

CAMERA SETTINGS

Display of predictive course lines can be set to ON or OFF.



If the RearView Monitor is not in operation, set according to the following procedure.

1. Touch [Settings] on the Launch Bar.
2. Touch [Camera].
3. Touch [Predictive Course Lines] for the on or off position.

If the RearView Monitor is in operation, set according to the following procedure.

AROUND VIEW MONITOR (where fitted)

1. While on a RearView Monitor screen, touch the touch screen display. The [Camera Settings] screen will come up.
2. Touch [Predictive Course Lines]. The indicator illuminates when the item is set.



With the power switch in the ON position, press the <CAMERA> button or move the shift lever to the R (Reverse) position to operate the Around View Monitor. The monitor displays various views of the position of the vehicle.

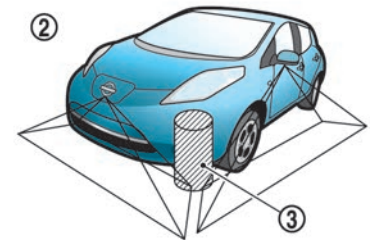
Available views:

- Bird's-eye View
The surrounding view of the vehicle from above.
- 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 detect objects and the system does not

warn of moving objects. When in the front or the rear view display, an object below the bumper or on the ground may not be detected ①. When in the bird's-eye view, a tall object near the seam ③ of the camera detecting areas will not appear in the monitor ②.

WARNING

- The Around View Monitor is a convenience. It is not a substitute for proper vehicle operation because it has areas where objects cannot be viewed. The four corners of the vehicle in particular, are blind spots where objects do not appear in the bird's-eye, front, or rear views. Always look out the windows and check with your own eyes to be sure that it is safe to move before operating the vehicle. Always operate the vehicle slowly.
- The driver is always responsible for safety during parking and other manoeuvres.
- Do not use the Around View Monitor with the outside mirror in the stored position, and make sure that the tail-

gate is securely closed when operating the vehicle using the Around View Monitor.

- The distance between objects viewed on the 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.
- 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

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

HOW TO SWITCH THE DISPLAY

The Around View Monitor display consists of left and the right screens. You can see a combination of different views on the screens.

With the power switch in the ON position, press the <CAMERA> button or move the shift lever to the R (Reverse) position to operate the Around View Monitor.

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.

Activating Around View Monitor

Shift lever operation:

- When the shift lever is shifted into the R (Reverse) position while a screen other than the Around View Monitor is displayed, Around View Monitor is activated and the rear view/bird's-eye view screen is displayed.

The screen switches back when the shift lever is shifted out of the R (Reverse) position.

<CAMERA> button operation:

- When the <CAMERA> button is pushed while a screen other than the Around View Monitor is displayed, Around View Monitor is activated and the front view/ bird's-eye view screen is displayed.

Operations after activation

- When the rear view is displayed on the driver's side on the screen, the view on the passenger's side switches between the bird's-eye view and the front-side view each time the <CAMERA> button is pushed.
- When the front view/bird's-eye view is displayed on the screen, pushing the <CAMERA> button will switch the view on the passenger's side to the front-side view. When the <CAMERA> button is pushed again, the screen which was displayed before the Around View Monitor was activated is displayed.
- The view on the driver's side switches to the rear view when the shift lever is shifted into the R (Reverse) position.

The view will switch back to the front view when the shift lever is shifted out of the R (Reverse) position.

HOW TO SEE EACH VIEW

WARNING

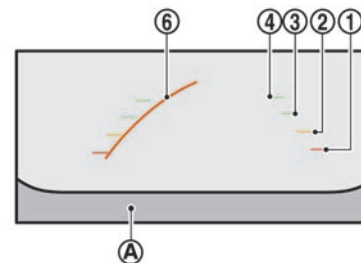
- The distance guide line and the vehicle width line should be used as a reference only when the vehicle is on a paved, level surface. The distance viewed on the monitor is for reference only and may be different than the actual distance between the vehicle and displayed objects.
- Use the displayed 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, 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.

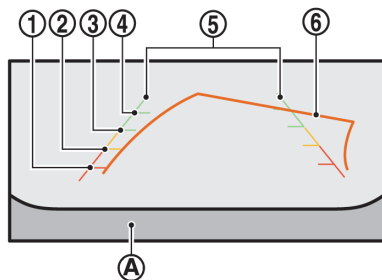
- Use the mirrors or actually look to properly judge distances to other objects.

The vehicle width and predictive course lines are wider than the actual width and course.

Front and rear view



Front view



Rear view

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 and will not be displayed while the steering wheel is in the straight ahead position.

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

⚠ WARNING

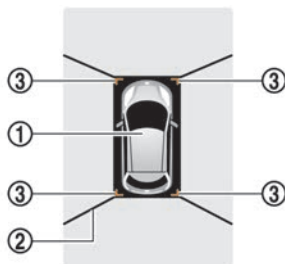
- The distance between objects viewed in the rear view may differ from the actual distance. Objects in the rear view will appear visually opposite from those viewed in the inside and outside mirrors.
- On a snow-covered or slippery road, there may be a difference between the predictive course line and 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.

⚠ CAUTION

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



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

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

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

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

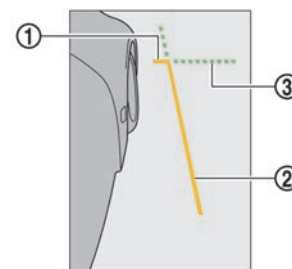
In addition, the non-viewable corners are displayed in red (blink for the first 3 seconds) ③ to remind the drivers to be cautious.

⚠ 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.

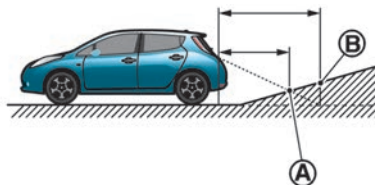
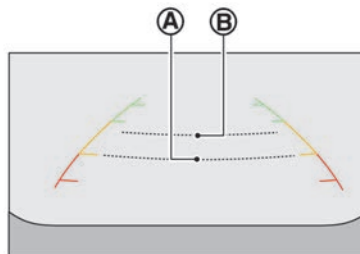
⚠ CAUTION

- Do not scratch the lens when cleaning dirt or snow from the front of the camera.
- The turn signal light may overlap with the side-of-vehicle line. This is not a malfunction.

DIFFERENCE BETWEEN PREDICTIVE AND ACTUAL DISTANCES

The distance guide line and the vehicle width guide line on the front and the rear view should be used as a reference only when the vehicle is on a level, paved 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.

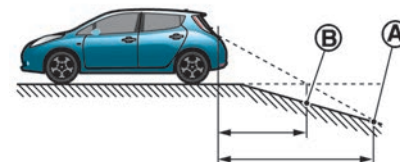
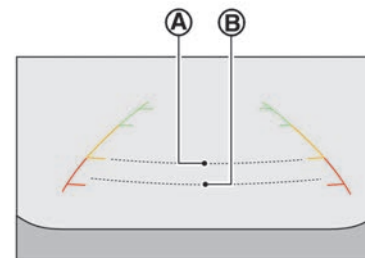
Reversing up a steep uphill



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) dis-

tance on the hill is the place ②. Note that any object on the hill is viewed in the monitor further than it appears.

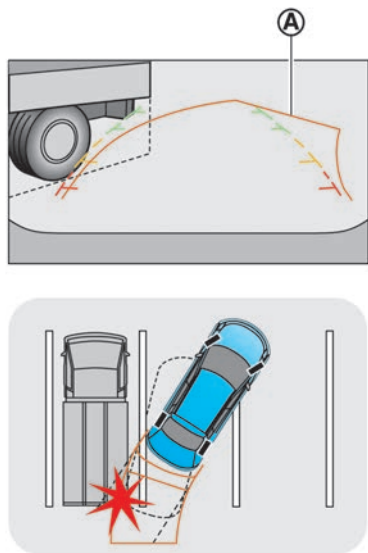
Reversing down a steep downhill



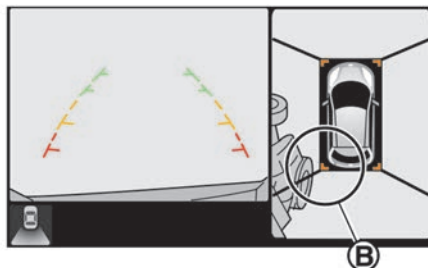
When reversing the vehicle down a hill, the distance guide lines and the vehicle width

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

Reversing near a projecting object

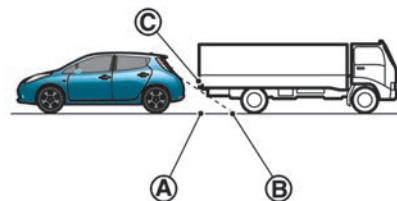
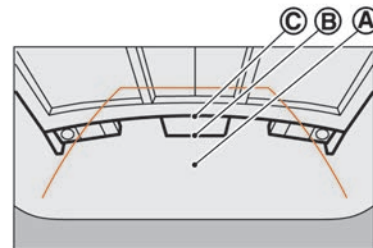


The predictive course lines (A) do not touch the object in the display. However, the vehicle may hit the object if it projects over the actual moving course.



There may be a small distance visible between the vehicle and the object in the bird's eye view on the display (B).

Reversing behind a projecting object



The position (C) is shown further than the position (B) in the display. However, the position (C) is actually at the same distance as the position (A). The vehicle may hit the object

when reversing toward the position **(A)** if the object projects over the actual moving course.

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 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 screens are switched. Objects in the Around View Monitor may be distorted momentarily until the 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 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 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.

CAMERA SETTINGS

How to adjust Around View screen

1. Touch the touch screen display with the Around View Monitor on.
2. Touch the preferred setting items.

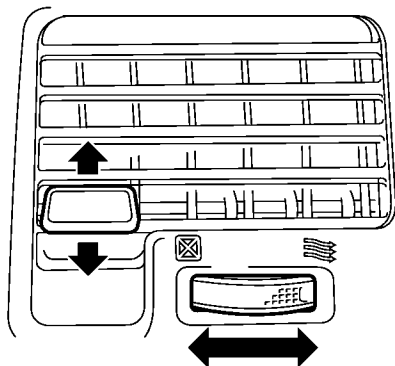
Available setting items:

- Brightness
- Contrast
- Tint
- Colour
- Black Level

Do not adjust the Around View Monitor screen while the vehicle is moving.

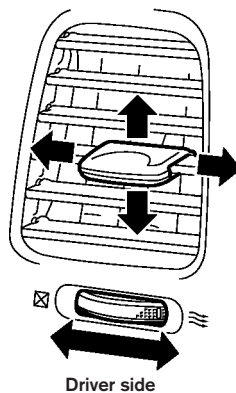
VENTS

CENTRE VENTS



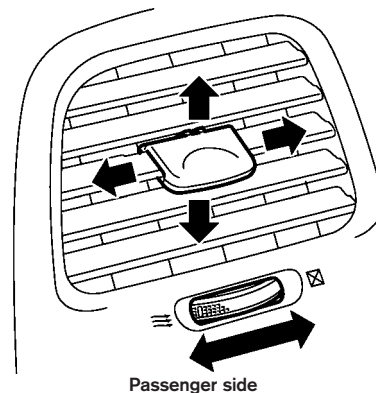
Open or close, and adjust the air flow direction from the vents.

SIDE VENTS



Adjust the air flow direction from the vents.

- ☒ : This symbol indicates that the vents are closed.
- ≡ : This symbol indicates that the vents are open.



CLIMATE CONTROL SYSTEM

WARNING

- The air conditioner cooling function operates only when the READY to drive indicator light is ON.
- Do not leave children or adults who would normally require the support of others alone in your vehicle. Pets should not be left alone either. 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.

The climate control system (air conditioner and heater functions) can be operated when the READY to drive light is illuminated. However, while charging, the climate control system can be used when the power switch is in the ON position.

The fan, heater and air conditioning can be turned on manually, using the timer function and using the remote climate control function.

These functions operate in the following conditions:

Power switch position	LOCK/OFF	ACC	ON	READY to drive
Fan	—	—	Available	Available
Heater and air conditioner	—	—	Available*1	Available
Timer (Climate Ctrl. Timer)	Available*2	Available*2	—	—
Remote control *3	Available	Available	—	—

*1: The climate control system will only start when charging is being performed. After charging is complete, it will continue to operate if the EVSE (Electric Vehicle Supply Equipment) is connected.

*2: The EVSE (Electric Vehicle Supply Equipment) must be connected.

*3: Models with EV (Electric Vehicle) navigation System.

NOTE:

- A series of operation sounds may be heard immediately after climate control ON/OFF operation. This is not a malfunction.
- Compressor and motor fan may suddenly start to operate during charging operation. This is not a malfunction.
- Condensation forms inside the air conditioning unit when the air conditioner is running, and is safely discharged underneath your vehicle. Traces of water on the ground are therefore normal. Water may drop underneath the vehicle when climate control is operating.
- 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.

CLIMATE CONTROL SYSTEM STATUS SCREEN (models with EV (Electric Vehicle) navigation system)

Push the <STATUS> button on the control panel to display the climate control system status screen on the navigation system. (See the separately provided EV (Electric Vehicle) navigation system owner's manual.)

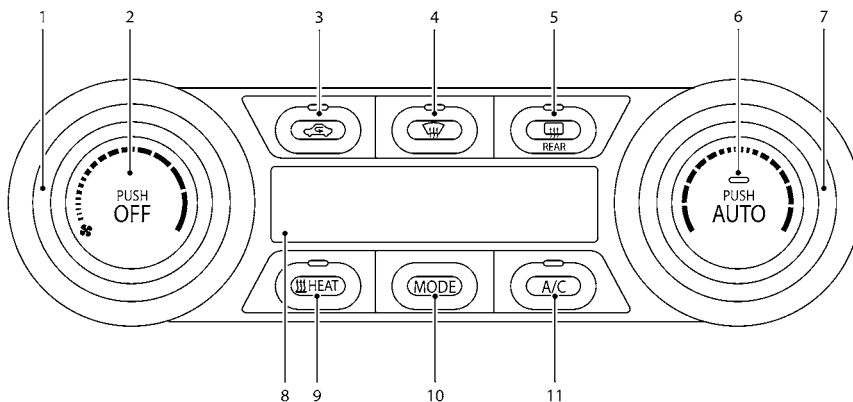
NOTE:

- If the vehicle's READY to drive indicator light is illuminated and the EVSE (Electric Vehicle Supply Equipment) is connected to the vehicle, the power switch will change to the ON position and the climate control system will change the air circulation mode. If you want to operate climate control again, place the power switch in the OFF position and then place it in the ON position again after confirming that the vehicle has started charging.
- When the power switch is in the ON position, if the power supply from the EVSE (Electric Vehicle Supply Equipment) is interrupted due to an electrical outage, etc., the system will operate in the following ways:

- If it occurs while charging is being performed:

If the power supply is restored within approximately 5 minutes, the climate control system will restart. However, if more than 5 minutes have elapsed, the climate control system will not restart.

- If it occurs after charging has finished:
The climate control system will stop.



Left-Hand Drive (LHD) model

AUTOMATIC CLIMATE CONTROL (Type A)

1. Fan speed control knob
2. Air conditioner control button (OFF)
(Switch air conditioning system on or off completely)

3. Air recirculation button
4. Front defogger button
5. Rear window defogger button
(See also  "Rear window and outside mirror defogger switch (where fitted)" in the "2. Instruments and controls" section)

6. Automatic climate control button (AUTO)
7. Temperature control knob
8. Air conditioner display
9. Manual air conditioner hot air button (HEAT)
10. Manual air flow control button (MODE)
11. Manual air conditioner cold air button (A/C)

Automatic operation (AUTO)

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

1. Push the **<AUTO>** button. The AUTO indicator will be illuminated.
2. Turn the temperature control knob to set the desired temperature.

When any of the following functions are operated, the AUTO indicator will turn off.

- The HEAT or A/C button is pushed.
- The fan speed control or ventilator air flow control is operated.
- The intake air control is switched.

However, the functions that were not operated continue operating in AUTO mode.

NOTE:

- If the fan speed control button, **MODE** button, or intake air control button is operated while **AUTO** is in use, all the other buttons operate in **AUTO** mode.
- While the **AUTO** indicator is illuminated, electric power consumption of the air conditioner can be economized compared to the amount consumed while the **AUTO** indicator is not illuminated.

The **HEAT** indicator light and the **A/C** indicator light illuminate according to the operation status of the climate control system.

Operation mode	A/C indicator	HEAT indicator
Cooling	ON	OFF
Heating (A/C off)	OFF	ON

Manual operation

The manual mode can be used to control the heater and air conditioner to your desired settings.

The **HEAT** indicator light and the **A/C** indicator light illuminate according to the operation status of the climate control system.

Operation mode	A/C indicator	HEAT indicator
Cooling	ON	OFF
Dehumidified heating	ON	ON
Heating (A/C off)	OFF	ON
Ventilation	OFF	OFF

Cooling:

1. Push the **<A/C>** button to illuminate the **A/C** indicator light.
2. Push the **<HEAT>** button to turn off the **HEAT** indicator light.

NOTE:

- Do not set the temperature higher than the outside air temperature. Doing so may prevent the temperature from being controlled properly.
- 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:

1. Push the **<A/C>** button to illuminate the **A/C** indicator light.
2. Push the **<HEAT>** button to illuminate the **HEAT** indicator light.

NOTE:

Electric power consumption of climate control increases while the **A/C** and **HEAT** button indicator lights simultaneously illuminate. As a result, the driving range may be decreased.

Heating (A/C off):

1. Push the **<HEAT>** button to illuminate the **HEAT** indicator light.
2. Push the **<A/C>** button to turn off the **A/C** indicator light.

NOTE:

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

Ventilation mode:

Push the **<HEAT>** button and **<A/C>** button if the indicator lights are on so that both indicator lights turn off.

NOTE:

- The ventilation mode requires a lower power consumption, so cruising distance will increase.

- In ventilation mode, temperature is not indicated on the navigation monitor or on the air conditioner display.

Dehumidified defrosting/defogging:

Push the front defogger  button. (The indicator light will illuminate)

NOTE:

- To remove moisture or fog on the front window quickly, set the temperature and the fan speed to the maximum position.
- After the windscreen is cleared push the front defogger  button again. (The indicator light will turn off.)
- When the front defogger  button is pushed, the air conditioner will automatically turn on to defog the windscreen. The outside air circulation mode will be selected to improve the defogging performance.

Fan speed control:

Push the fan speed control button  to control the fan speed manually.

Push the <AUTO> button to change the fan speed to the automatic mode.

Air flow control:

Push the <MODE> button to change the air flow mode.

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

Temperature control:

Turn the temperature control knob to set the desired temperature.

Air recirculation:

Push the air recirculation  button to change the air circulation mode. When the indicator light illuminates, the flowing air is recirculated inside the vehicle.

Outside air circulation:

Push the air recirculation  button to change the air circulation mode. When the indicator light is off, the flowing air is drawn from outside the vehicle.

Automatic air intake control:

To set the automatic control mode, push and hold the  (intake air control) button. The indicator light will blink twice and the inside/outside circulation will then be controlled automatically. When in automatic mode, the indicator light will come on when inside air recirculation is active.

Turn system off.

To turn off the climate control, push the air conditioner control button. Push the button again to turn the system on. The same operating mode (Heater or A/C) that was active when the system is turned off is active when system is turned back on.

Climate Ctrl. Timer

While the charger is connected to vehicle, this function pre-heats or pre-cools the passenger compartment of the vehicle to the temperature set by default before driving. This helps reduce power consumption from the Li-ion battery.

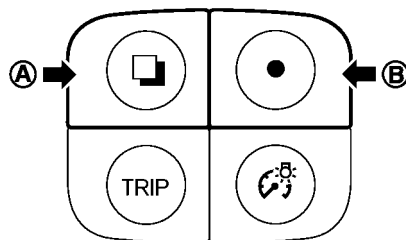
As the temperature is set to the factory default setting, the user cannot adjust the temperature.

The Climate Ctrl. Timer operates the air conditioner using power from the charger. Electric power from the Li-ion battery is not used.

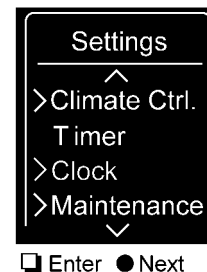
Once the Climate Ctrl. Timer is set, it will complete air conditioning by the time that is set. It is not necessary to set the Climate Ctrl. Timer everyday.

WARNING

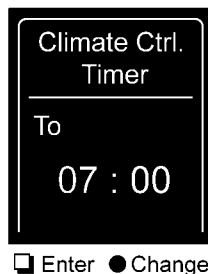
Even if the Climate Ctrl. Timer is set, the temperature in the passenger compartment may become high or low if the system automatically stops. Do not leave children or adults who would normally require the support of others alone in your vehicle. Pets should not be left alone either. On hot, sunny days, temperatures in a closed vehicle could quickly become high enough to cause severe or possibly fatal injuries to people or animals. Also on cold days, temperature in a vehicle could become low enough to cause severe or possible fatal injuries to people or animals.



1. Push the  switch (A) on the left side of the combination meter panel.
2. Push the  switch (B) until [Climate Ctrl. Timer] is highlighted on the vehicle information display and then push the  switch (A).



3. The [Climate Ctrl. Timer] screen is displayed.



- To change the time of day and the day of the week that the climate control timer turns on or off, or to turn the climate control timer on or off, push the ● switch.
4. To turn the timer on or off, use the ● switch to highlight On or Off and then push the □ switch. If On is selected, an additional screen is displayed that allows you to change the time or the climate control timer.

5. The hour portion of the time is highlighted on the screen. Push the ● switch to change the hour field in increments of one hour. Push and hold the ● switch to fast forward the hour. Push the □ switch to move to the minutes field.

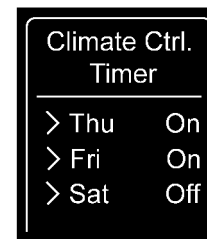
6. Push the ● switch to change the minute field in increments of ten minutes. Push and hold the ● switch to fast forward the minute. Push the □ switch to move to the day of the week setting.



☐ Enter ☒ Change

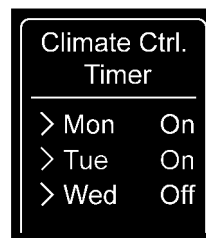


☐ Enter ☒ Change

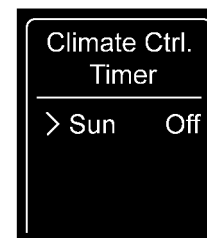


☐ Enter ☒ Change

7. Push the ☒ switch to set the day to on or off. Push the ☐ switch and then set the next day with the same procedure. When all days of the week have been set, push the ☐ switch.

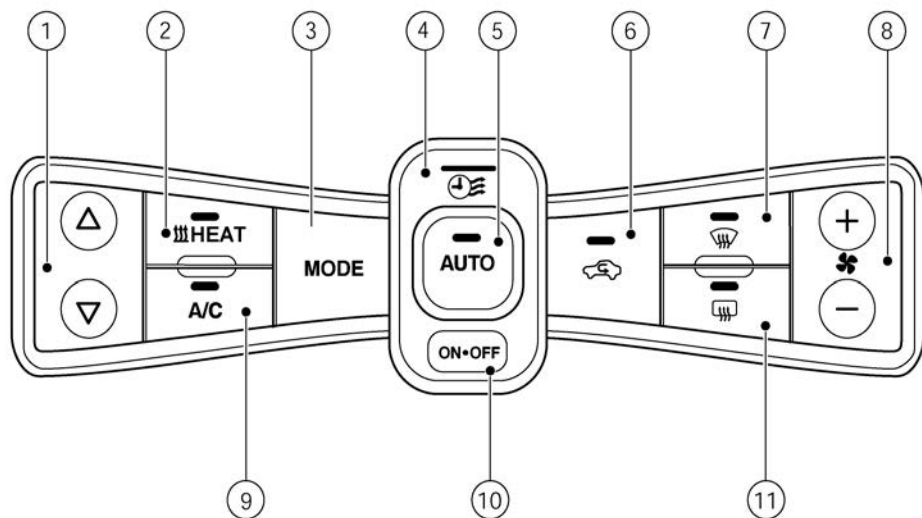


☐ Enter ☒ Change



☐ Enter ☒ Change

8. The settings confirmation screen will be displayed. To confirm and finish setting the climate control timer, push the  switch.



Left-Hand Drive (LHD) model

AUTOMATIC CLIMATE CONTROL (Type B)

1. Temperature control buttons
2. **HEAT** button
3. **MODE** (Manual air flow control) button

4. Climate Ctrl. (Control) Timer indicator
5. **AUTO** climate control On/Off button
6. (Air recirculation) button
7. (Front defogger) button
8. (Fan speed control) button

9. **A/C** (Air Conditioner) ON•OFF button

10. Climate control system **ON•OFF** button

11. (Rear window defogger) button

("Rear window and outside mirror defogger switch (where fitted)" in the "2. Instruments and controls" section)

For the Right-Hand Drive (RHD) model, the switch layout will be the opposite.

Automatic operation (AUTO)

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

1. Push the **<AUTO>** button (the indicator light comes on).
2. Turn the temperature control knob to set the desired temperature.
The temperature range can be set between 16°C and 30°C.

NOTE:

- If the fan speed knob, air outlet button, or air recirculation button is operated while AUTO mode is in use, all the other buttons stay in AUTO mode.

- To save power, use the automatic mode or the ventilation mode. While the <AUTO> button indicator is on, electric power consumption of the air conditioner system can have a better efficiency compared to the amount consumed with the <AUTO> button indicator off. While ventilation mode is activated, outside air is drawn into the cabin using the fans with no heating or cooling applied. This significantly reduces energy consumption.

While operating the climate control in the AUTO mode, selecting any other climate control button deactivates the AUTO mode and activates manual mode.

Other controls are continuously adjusted except the operated button.

The HEAT indicator light and the A/C indicator light come on according to the operation status of the climate control system.

Mode status	A/C indicator light	HEAT indicator light
Cooling	ON	OFF
Dehumidified heating	ON	ON
Heating (A/C off)	OFF	ON

Manual operation

The manual mode can be used to control the heater and air conditioner to your desired settings.

Cooling:

1. Push the <A/C> button to turn on the cold air flow. (The A/C indicator light comes on).
2. Push the <HEAT> button to turn off the hot air flow (The HEAT indicator light goes off).

NOTE:

- Do not set the temperature higher than the outside air temperature. Doing so may prevent the temperature from being controlled properly.
- 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:

1. Push the <A/C> button
(The A/C indicator light comes on).
2. Push the <HEAT> button
(The HEAT indicator light comes on).

NOTE:

Electric power consumption of climate control increases while the A/C and HEAT button indicator lights simultaneously illuminate. As a result, the driving range may be decreased.

Heating (A/C off):

1. Push the <HEAT> button.
2. Turn the A/C indicator light off if necessary.

NOTE:

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

Ventilation mode:

To enter the ventilation mode, push <HEAT> button and <A/C> button for the "OFF" position (both indicator lights are off).

This mode provides minimum level of power consumption as only the fans are used to pass air from outside the vehicle through the cabin, without any heating or cooling applied. Use

the <MODE> button and fan speed dial to select desired distribution of air inside the vehicle.

Dehumidified defrosting/defogging:

Push the front defogger  button. (The indicator light will illuminate)

NOTE:

- When the front defogger  button is pushed, the air conditioner will automatically turn on to defog the windscreen. The outside air circulation mode will be selected to improve the defogging performance.
- To remove moisture or fog on the front window quickly, set the temperature and the fan speed to the maximum position.
- After the windscreen is cleared push the front defogger  button again. (The indicator light will turn off.)

Fan speed control:

Push the + or – of fan speed control () to control the fan speed manually.

Push the <AUTO> button to change the fan speed to the automatic mode.

Air flow control:

Push the <MODE> button to change the air flow mode.

The following icons appear in the display.

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

Temperature control:

Push a temperature control button to set the desired temperature.

The temperature range can be set between 16°C (60°F) and 30°C (86°F).

Air recirculation:

Push the air recirculation  button to change the air circulation mode. When the indicator light illuminates, the flowing air is recirculated inside the vehicle.

Outside air circulation:

Push the air recirculation  button to change the air circulation mode. When the indicator light is off, the flowing air is drawn from outside the vehicle.

Automatic air intake control:

To set the automatic control mode, push and hold the  (intake air control) button. The indicator light will blink twice and the inside/outside circulation will then be controlled automatically. When in automatic mode, the indicator light will come on when inside air recirculation is active.

Turn the system off.

To turn off the climate control system, push the <ON-OFF> button.

Climate Ctrl. Timer

While the charging connector is connected to vehicle, this function pre-heats or pre-cools the passenger compartment of the vehicle to the set temperature before driving. This helps reduce power consumption from the Li-ion battery.

The Climate Ctrl. Timer operates the air conditioner using power from the charger. Electric power from the Li-ion battery is not used.

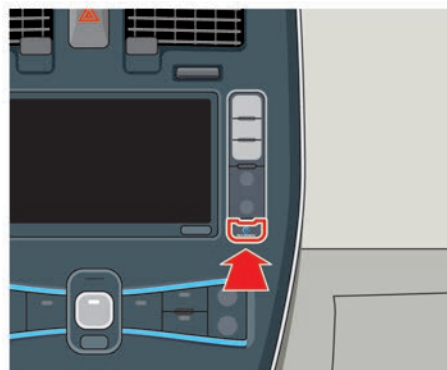
The Climate Ctrl. Timer function allows two different timer settings. Each timer charge function can be set to activate on a different day of the week.

Once the Climate Ctrl. Timer is set, it will complete air conditioning by the time that is set. It is not necessary to set the Climate Ctrl. Timer everyday.

⚠ WARNING

Even if the Climate Ctrl. Timer is set, the temperature in the passenger compartment may become high or low if the system automatically stops. Do not leave children or adults who would normally require the support of others alone in your vehicle. Pets should not be left alone either. 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. Also on cold days, temperature in a vehicle could become low enough to cause severe or possible fatal injuries to people or animals.

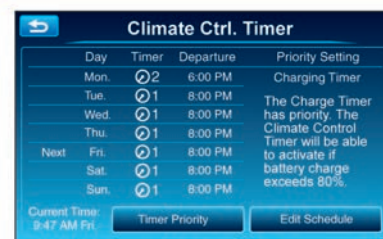
Setting Climate Ctrl. Timer:



1. Push the  (Zero Emission menu) button.



2. Touch [Climate Ctrl. Timer].



3. Touch [Edit Schedule].



4. Set preferred time and day of the week for Climate Ctrl. Timer.
5. After the setting is complete, place the power switch in the OFF position, and then connect the charge connector to the vehicle.

Climate Ctrl. Timer setting screen



- ① Touch to turn on/off the timer. The indicator light will turn on when the timer setting is turned on.
- ② Shows the set departure time. Climate Control system will be activated in order that the vehicle compartment will be cooled/ heated to the set temperature and turn off itself by the departure time.
- ③ Touch corresponding keys to adjust the time setting.

[-]: Touch or touch and hold to decrease the time.

[+]: Touch or touch and hold to increase the time.

[X]: Touch to delete the numbers entered.

- ④ Touch the keys to set the days of the week you wish to activate the Climate Control system.
- ⑤ Touch to save the setting.

Priority setting between timer charge and Climate Ctrl. Timer:

If the timer charge function and the Climate Ctrl. Timer function are in operation at the same time due to an overlap of the timer settings, either function can be set to be preferentially provided with electric power.

- 1) Push  and touch [Climate Ctrl. Timer].
- 2) Touch [Timer Priority]. Priority setting screen is displayed.
- 3) Select the preferred setting.

Available settings

Setting item	Result
[Charging Timer]	When charging is set as the first priority, the Climate Ctrl. Timer does not start until 10 segments (80%) of the Li-ion battery available charge gauge are illuminated.
[Clim. Ctrl. Timer]	When the Climate Control is set as the first priority, the Climate Control system will start to operate when the remaining Li-ion battery power displayed in the meter reaches 2 segments (15%) or higher.

Operating tips for using Climate Ctrl. Timer

- Temperature setting for the Climate Ctrl. can be changed from [Timer/Remote - Set Climate Temp].
- The Climate Ctrl. Timer will only start when the power switch is in the OFF position. Always turn the power switch to the OFF position after the Climate Ctrl. Timer is set.

- To turn off the Climate Ctrl. Timer function, touch [ON] until the indicator light turns off. The start and stop time settings will not be deleted even if the Climate Ctrl. Timer function is turned off.
- While the Climate Ctrl. Timer is operating, the Climate Ctrl. Timer indicator and the charging status indicator lights flash. If the Climate Ctrl. Timer is set to activate, the Climate Ctrl. Timer indicator illuminates.
- If the timer charge function and the Climate Ctrl. Timer are in operation at the same time due to an overlap of the timer settings, either function can be set to be preferentially provided with electric power.
- If the Climate Ctrl. Timer starts operating while the vehicle is being charged, the time required for charging will be longer.
- Operating the Climate Ctrl. Timer or remote climate control in an environment where the temperature is low may decrease the rate of battery charge.
- Timer setting can also be changed while Climate Ctrl. timer is operated. When the power position is switched to OFF, the air conditioner starts or enters waiting mode depending on the new timer settings.

- When the difference in temperature between the air conditioner setting temperature and the temperature outside the vehicle is large, the temperature inside the vehicle may not be maintained at the setting temperature.
- The charging status indicator lights illuminate in a specific pattern when the Li-ion battery warmer (where fitted) operates. The charging status indicator lights use the same pattern to indicate 12-volt battery charging, Climate Ctrl. Timer operation or Remote Climate Control operation. The charging status indicator lights do not change if the Li-ion battery warmer (where fitted) operates at the same time as the above features.



INFO:

- The temperature in the passenger compartment may not be comfortable if entering the vehicle too soon before or too long after the scheduled time of departure.
- Air conditioning is limited to the capacity of the electric power when the charge connector is connected. Therefore, the temperature may not reach the set temperature due to limitations in air conditioning

performance, if ambient temperature is excessively high or low, or if the charge connector is connected to the charge cable.

- The Climate Ctrl. Timer operates the climate control function so that a comfortable temperature is provided in the passenger compartment at the scheduled time of departure. The climate control is set to stop at the scheduled time of departure.

Remote climate control

This vehicle incorporates a communication device that is called a TCU (Telematics Control Unit). The communication connection between this unit and the Nissan Data Centre allows for various remote functions and services.

Climate control can be remotely started by accessing the YOU+Nissan Owners' Portal via a mobile phone or a personal computer.

When operation is started, or at the set start time, the Nissan Data Centre starts communicating the vehicle. When the vehicle receives a command for remote operation, the climate control system immediately turns ON and operates for the specified period of time. Confirmation of the ON/OFF state of the climate

control system can be checked by accessing the website or by e-mail notification.

Registering to the NissanConnect EV services is necessary before they can be used. For details, see the separately provided EV (Electric Vehicle) navigation system owner's manual.

WARNING

- **Radio waves could adversely affect electric medical equipment. For more information, contact your electric medical equipment manufacturer for the possible effect on pacemakers before using the remote climate control.**
- **Even if the remote climate control is set, the temperature in the passenger room may become high if the system automatically stops. Do not leave children or adults who would normally require the support of others alone in your vehicle. Pets should not be left alone either. 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.**

NOTE:

- **To check the Li-ion battery charging status using an internet enabled smart phone or personal computer.**
 - The vehicle must be located in a mobile phone coverage area.
 - The mobile phone must be located in an area with mobile phone coverage.
 - The computer must be connected to the internet.
- **Some mobile phones are not compatible with this system and cannot be used to check the Li-ion battery charging status. Confirm this beforehand.**

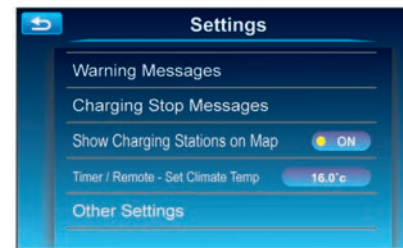
Operating tips:

- When the charge connector is connected, the climate control operates using electric power. When the charge connector is disconnected from the vehicle, the climate control operates using the vehicle battery electric power.
- The climate control can be operated for a maximum of 2 hours when the charge connector is connected to the vehicle, or a maximum of 15 minutes when the charge connector is disconnected

- The remote climate control will only start to operate when the power switch is in the OFF position. Be sure to check that the power switch is in the OFF position.
- Remote climate control operation is not available when the vehicle is in an area of mobile phone communication range.
- Communication becomes unavailable when the vehicle is not used for two weeks or more. When the power switch is placed in the ON position, communication with the Nissan Data Centre can be restored.
- Air conditioning is limited to the capacity of the electric power when the charge connector is connected to the vehicle. Therefore, the temperature may not reach a comfortable level due to performance of the air conditioning being limited, if the outside temperature is excessively high or low, or if the charge connector is connected to a 120V outlet.
- If the power switch is in the ON position or the charge connector is disconnected, while the remote climate control is being operated, remote climate control operation is automatically stopped and an e-mail is sent.
- If remote climate control operation is started while the vehicle is in normal charge mode, the climate control operates in climate control priority mode and charging is continued.
- If remote climate control operation is started and charging is stopped while the vehicle is in quick charge mode, climate control operation is also stopped.
- If the quick charge connector is connected and charging is not performed, remote climate control operation starts using the battery electric power of the vehicle.

Temperature settings:

This procedure sets the temperature of Climate Ctrl. timer and remote climate control.



1. Push the Zero Emission menu button. Touch [Zero Emission Settings].
2. Touch [Timer/Remote – Set Climate Temp].



3. Set the temperature and then touch [OK].

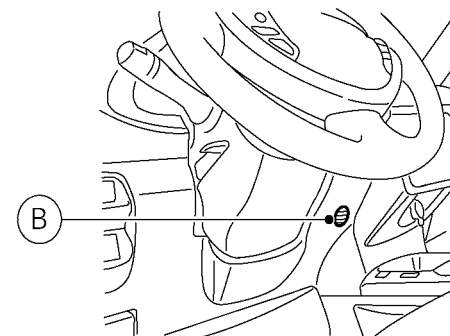
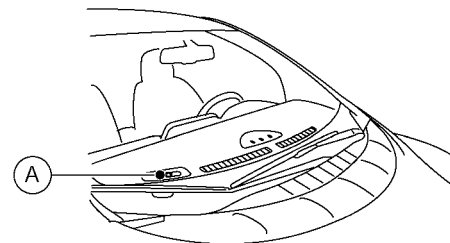
NOTE:

- The temperature in the passenger compartment may not be comfortable if entering the vehicle too soon before or too long after the scheduled time of departure.
- Air conditioning is limited to the capacity of the electric power when the charge connector is connected. Therefore, the temperature may not reach the set temperature due to limitations in air conditioning performance, if ambient temperature is excessively high or low, or if

the charge connector is connected to the NISSAN EVSE cable (8 – 10 Amperes power).

- The Climate Ctrl. Timer operates the climate control function so that a comfortable temperature is provided in the passenger compartment at the scheduled time of departure. The climate control is set to stop at the scheduled time of departure.

OPERATING TIPS



- The automatic climate control system is equipped with sensors, as illustrated. The sensors (A) and (B) help to maintain a constant temperature. Do not put anything on or around these sensors.
- Using the AUTO mode will help reduce the power consumption of the climate control.
- When the AUTO switch is pushed, the AUTO indicator illuminates. The HEAT button indicator or the A/C button indicator illuminates according to the operation of the climate control system.
- If any of the MODE, A/C, HEAT, fan speed control , front defogger , intake air control  buttons are pushed when the AUTO indicator illuminates, the AUTO indicator will be turned off.
- Power consumption of the climate control system varies depending on the outside temperature and the temperature set for the climate control system. Power consumption increases if the interior temperature is cooled down too much in summer or if it is warmed up too much in winter. This will result in a reduced driving range.
- If the charger is connected to the vehicle when it is in the ready to drive mode and

the air conditioner or heater is on, the power switch automatically changes to the ON position. The climate control system automatically turns off the heater or air conditioner and switches to the ventilation mode. Place the power switch in the off position to begin charging. Turn on the desired climate control function.

- For normal charge, the climate control system is operative when charging operation is complete. For quick charge, however, the climate control system stops operating when charging operation stops.
- The climate control timer or the remote climate control (Type B only) may fog up windows depending on the set temperature (Type B only) or outside temperature.
- When turning on the seat heater switch prior to operating the climate control timer or the remote climate control (Type B only), the seat heater also will turn on. The steering wheel heater will turn on automatically when the outside temperature is low.

AIR CONDITIONER FILTER

The climate control system is equipped with an air conditioner filter which collects dirt, pollen, dust, etc. To make sure the air condi-

tioner, heats, defogs, and ventilates efficiently, replace the filter regularly. To replace the filter, contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

The filter should be replaced if the air flow decreases significantly or if windows fog up easily when operating the climate control system.

SERVICING CLIMATE CONTROL

The climate control system in the NISSAN vehicle is charged with a refrigerant designed with the environment in mind. **This refrigerant will not harm the earth's ozone layer.** Special charging equipment and lubricant are required when servicing the NISSAN climate control system. Using improper refrigerants or lubricants will cause severe damage to the climate control system. (See  "Recommended fluids/lubricants and capacities" in the "9. Technical information" section for climate control system refrigerant and lubricant recommendations.)

A knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer will be able to service the environmentally friendly climate control system.

WARNING

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

AUDIO SYSTEM (where fitted)

AUDIO OPERATION PRECAUTIONS

WARNING

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

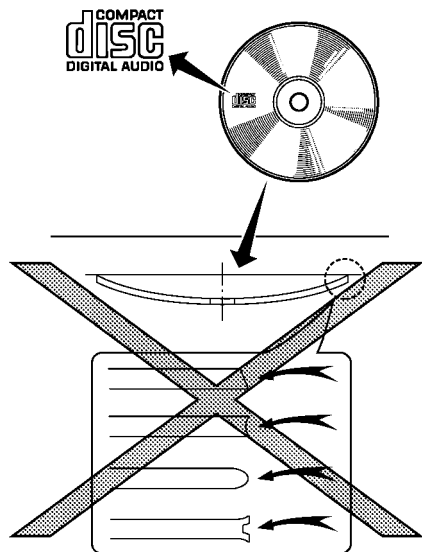
Radio

- Radio reception is affected by station signal strength, distance from radio transmitter, buildings, bridges, mountains and other external influences. Intermittent changes in reception quality normally are caused by these external influences.
- Using a mobile phone in or near the vehicle may influence radio reception quality.

Compact Disc (CD) player

- During cold weather or rainy days, the player may malfunction due to the humidity. If this occurs, remove the CD from CD player and dehumidify or ventilate the player completely.
- The player may skip while driving on rough roads.

- The CD player sometimes may not function when the passenger compartment temperature is extremely high. Lower the temperature before use.
- Do not expose the CD to direct sunlight.
- CDs that are of poor quality, or are dirty, scratched, covered with fingerprints, or that have pin holes may not work properly.
- The following CDs may not work properly.
 - Copy control compact discs (CCCD)
 - Recordable compact discs (CD-R)
 - Rewritable compact discs (CD-RW)



- Do not use the following CDs as they may cause the CD player to malfunction.
 - CDs that are not round
 - CDs with a paper label
 - CDs that are warped, scratched or have unusual edges.

- This audio system can only play prerecorded CDs. It has no capabilities to record or burn CDs.

- If the CD cannot be played, a notification messages will be displayed.

Error CD:

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

Eject CD:

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

Unplayable:

Audio files except for the MP3/WMA formats cannot be played back by this audio system.

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 port. Inserting the USB device tilted or up-side-down into the port may damage the port.
- Make sure that the USB device is connected correctly into the USB port. Some USB devices come with a  mark as a guide. Make sure that the mark is facing the correct direction before inserting the device.
- Do not grab the USB port cover (where fitted) when pulling the USB device out of the port. This could damage the port and the cover.

- **Do not leave the USB cable in a place where it can be pulled unintentionally. Pulling the cable may damage the port.**

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

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

In some states/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:

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

- Improperly plugging in the iPod may cause a checkmark to be displayed on and off (flickering). Always make sure that the iPod is connected properly.
- An iPod nano (1st Generation) may remain in fast forward or rewind mode if it is connected during a seek operation. In this case, please manually reset the iPod.
- 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

- 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 knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.
- Before using a Bluetooth® audio system, the initial registration process for the audio device is necessary.
- Operation of the Bluetooth® audio system may vary depending on the audio device that is connected. Confirm the operation procedure before use.
- The playback of Bluetooth® audio will be paused under the following conditions. The playback will be resumed after the following conditions are completed.
 - while using a hands-free phone
 - while checking a connection with a 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).



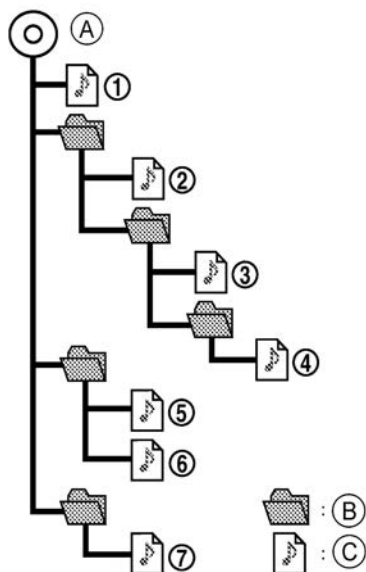
Bluetooth® is a trademark owned by Bluetooth SIG, Inc., and licensed to Daewoo IS Corp.

Compact Disc (CD)/USB memory with MP3 or WMA

Explanation of terms:

- MP3 — MP3 is short for Moving Pictures Experts Group Audio Layer 3. MP3 is the most well known compressed digital audio file format. This format allows for near “CD quality” sound, but at a fraction of the size of normal audio files. MP3 conversion of an audio track from CD can reduce the file size by approximately 10:1 ratio (Sampling: 44.1 kHz, Bit rate: 128 kbps) with virtually no perceptible loss in quality. MP3 compression removes the redundant and irrelevant parts of a sound signal that the human ear doesn’t hear.
- WMA — Windows Media Audio (WMA) is a compressed audio format created by Microsoft as an alternative to MP3. The WMA codec offers greater file compression than the MP3 codec, enabling storage of more digital audio tracks in the same amount of space when compared to MP3s at the same level of quality.
- Bit rate — Bit rate denotes the number of bits per second used by a digital music files. The size and quality of a compressed digital audio file is determined by the bit rate used when encoding the file.
- Sampling frequency — The rate at which the samples of a signal are converted from analog to digital (A/D conversion) per second.
- Multisession — Multisession is one of the methods for writing data to media. Writing data once to the media is called a single session, and writing more than once is called a multisession.
- ID3/WMA Tag — The ID3/WMA tag is the part of the encoded MP3 or WMA file that contains information about the digital music file such as song title, artist, album title, encoding bit rate, track time duration, etc. ID3 tag information is displayed on the Album/Artist/Song title line on the display.

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



- (A) Root folder
- (B) Folder
- (C) MP3/WMA

Playback order:

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

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

Specification chart:

Supported media			CD, CD-R, CD-RW, USB 2.0
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	8 kbps - 320 kbps, VBR*4
	WMA*3	Version	WMA7, WMA8, WMA9
		Sampling frequency	32 kHz - 48 kHz
		Bit rate	32 kbps - 192 kbps, VBR*4
Tag information (Song title and Artist name)			ID3 tag VER1.0, VER1.1, VER2.2, VER2.3, VER2.4 (MP3 only)
			WMA tag (WMA only)
Folder levels			Folder levels: 8, Folders: 255 (including route folder), Files: 512 (Max. 255 files for one folder)
Displayable character codes*2			01: ASCII, 02: ISO-8859-1, 03: UNICODE (UTF-16 BOM Big Endian), 04: UNICODE (UTF-16 Non- BOM Big Endian), 05: UNICODE (UTF-8), 06: UNICODE (Non-UTF-16 BOM Little Endian)

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

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

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

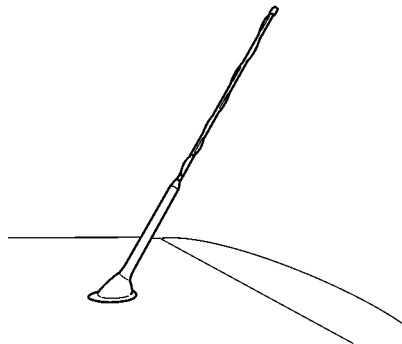
*4 When VBR files are played, the playback time may not be displayed correctly. WMA7 and WMA8 are not applied to VBR.

Troubleshooting guide:

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

NOTE:

Depending on the system, files such as in MP3 or WMA format cannot be played.



Antenna

Removing antenna:

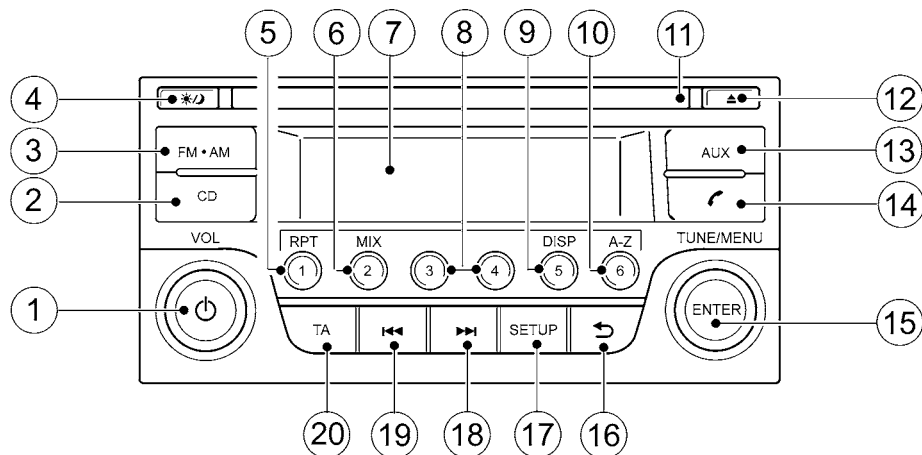
To remove the antenna, hold the lower part of the antenna and turn it anticlockwise. Always properly tighten the antenna rod during installation. Otherwise, the antenna rod may break during vehicle operation.

CAUTION

To avoid damaging or deforming the antenna, make sure to remove the antenna under the following conditions:

- Before the vehicle enters an automatic car wash.
- Before the vehicle enters a garage with a low ceiling
- The vehicle is covered with a car cover.

FM AM RADIO WITH CD PLAYER (Type A) (where fitted)



Type A

1. Power ON-OFF button/Volume control (VOL) knob
2. CD play mode button
3. FM • AM button

4.  (Day/Night) button
5. Radio mode: Preset button
- CD mode: Repeat (RPT) button

6. Radio mode: Preset button
- CD mode: MIX button
7. Display
8. Radio mode: Preset buttons
9. Radio mode: Preset button
- Audio unit mode: Display (DISP) button
10. Radio mode: Preset button
- CD, AUX or Phone mode: Quick search button
11. CD slot
12. CD eject button
13. Auxiliary (AUX) source button
14. Telephone button
15. Radio mode: TUNE dial
- Audio unit mode: MENU dial
- Confirmation (ENTER) button
16. Back button
17. SETUP button
18. Fast Forward (Cue) play/Forward Track button
19. Fast Reverse (Review) play/Reverse Track button

20. Traffic announcement (TA) button

Anti-theft system

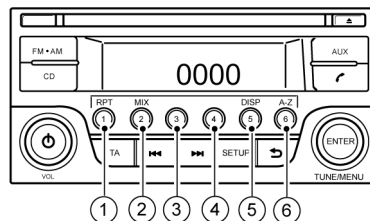
Use of a 4-digit radio PIN (Personal Identification Number) code, known only to the vehicle owner, effectively reduces the possibility of the audio unit being stolen. Without the PIN code the audio unit cannot be activated.

If force is used to try and remove the audio unit, the Anti-theft system activates and the audio unit is locked. The only way to unlock the audio unit is to enter the radio code number shown on an identification card supplied with the vehicle documentation.

NOTE:

- The 4 digit radio code is shown on a card that you received with your vehicle documentation.
- Record the 4 digit radio code on the “Security information” page at the end of this manual. Remove the security page and keep it in a safe, not in the vehicle.
- Contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer, if you do lose the 4 digit radio code of the audio unit.

Unlocking the unit



Type A

If the battery supply to the vehicle is interrupted, the audio unit will lock.

When the power is restored and the unit is switched on, the display will show [Radio Code:] and it will be unlocked when the code has been entered correctly.

Unlocking procedure:

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

To unlock the audio unit, proceed as follows:

1. Turn the power switch to the ACC or ON position.
2. [Radio Code:] is displayed along with four numerical zero digits.
3. Press preset button ① the number of times corresponding with the first digit of the radio code.

For example, if the radio code is 5169: for the first digit, “5”, press the preset button ① five times.

4. The second, third, and fourth digits of the radio code must be entered, in the same way, only now using preset buttons ②, ③, and ④.

For example, press ② once, ③ six times, and ④ nine times.

5. Press with a long press preset button ⑥ to confirm the code. If you entered the code correctly the unit will switch on.
6. If the code is entered incorrectly a notification message [INCORRECT PIN] and the number of attempts left [REMAINING TRIES: XX] will be shown.

After reading the message, press the **<ENTER>** button to return to the entry screen and enter the correct radio code.

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

Audio main operation

The audio unit operates when the power switch is in ACC or ON position.



Power ON/OFF button

Press the  button to switch on the audio unit. If the audio unit was switched off using the power switch, it can also be switched on with the power switch. The source that was playing immediately before the unit was switched off will resume playing and the volume will be set to the previous volume level.

The audio unit can be switched off by pressing , or by turning the power switch to the "OFF" or LOCK position.



Volume (VOL) level control

Turn the **<VOL>** dial clockwise or anticlockwise to adjust the volume level.

The audio unit is equipped with a speed control volume function, this means that the audio system automatically adjusts the volume level in relation to vehicle speed. For details, see  "SPD VOL (Speed volume) control" later in this section.



Day/Night button

The illumination brightness level is linked to the headlight switch. When the headlights are switched "ON" the brightness is dimmed automatically. Press the button to toggle illumination brightness levels between daytime setting and nighttime setting independent of headlamp status.

Radio operation

When the  (power ON/OFF) button is pressed, the audio unit will switch on with the last received radio station, if the audio unit was previously switched off in radio mode.



Radio band select buttons

Press the **<FM•AM>** button to change the reception wave band as follows:

FM1 → FM2 → FMT → AM → FM1

When **<FM•AM>** button is pressed, the radio will come on at the last received radio station. If the CD or AUX source mode is already playing, pressing the **<FM•AM>** button will switch off the playing source mode and the last received radio station will be selected.

FM Auto store

When the **<FM•AM>** button is pressed for more than 1.5 seconds the six stations with the strongest frequencies are stored in the preset (1 to 6) buttons of the FMT band. During the search, a notification message [AUTOSTORE] appears in the display and the sound is muted until the operation is complete. Once completed, the radio selects preset button ①.



Manual tuning

When adjusting the broadcasting station frequency manually, turn the **<TUNE/MENU>** dial until the desired station is tuned in.

The frequency increases or decreases in steps of 100 kHz on the FM band, and 9 kHz on the AM band.

WARNING

The radio should not be tuned while driving in order for full attention to be given to the driving operation.



SEEK tuning buttons

Pressing the <▶▶> or <◀◀> button starts the tuning mode. The radio tuner seeks from low to high or high to low frequencies and stops at the next broadcasting station. During seek mode, the audio output is muted. If no broadcasting station can be found within the complete band cycle, it will return to the initial frequency.

Preset station buttons



Pressing a preset button for less than 2 seconds will select the stored radio station.

Pressing a preset button for more than 2 seconds will cause the station currently being received to be stored against that preset button.

- Eighteen stations can be stored in the FM band. (Six each for FM1, FM2 and FMT)
- Six stations can be set for the AM band.

If the battery is disconnected, or if the fuse blows, the radio memory will be erased. In that case, reset the desired stations after battery connection or fuse replacement.

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

Programme Service (PS) function (station name display function):

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

TA Traffic announcement

This function operates in FM (Radio), CD or AUX mode.

- Pressing the <TA> button selects the TA mode. The TA indicator is displayed while TA mode is on.
- When <TA> is pressed 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, for example: [TA: Radio 1].

Once the traffic announcement has finished, the unit returns to the source that was active before the traffic announcement started.

If **<TA>** is pressed 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.

SETUP button

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

1. Press the **<SETUP>** button.
2. Turn the **<TUNE/MENU>** dial clockwise or anticlockwise, the display will appear in the following order:

[Audio] ⇔ [Clock] ⇔ [Bluetooth] ⇔ [Language] ⇔ [Scroll Direction]

After the desired levels have been set, press either the  (Back) button repeatedly, the **<SETUP>** button, or wait for 8 seconds without pressing any buttons to exit the menu screen.

Display brightness (Day/Night mode)

Press the **<SETUP>** button with a long press to switch the display brightness between the daytime and nighttime mode.

Audio adjustments

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

Each time the **<ENTER>** button is pressed, the mode will change as follows:

[Bass] → [Treble] → [Balance] → [Fade] → [AUX VOL] → [SPD VOL] → setup menu screen [Audio] → [Bass]

Bass control:

Use this control to enhance or attenuate bass response sound.

Turn the **<TUNE/MENU>** dial clockwise or anticlockwise to adjust the bass settings then press **<ENTER>** to confirm.

Treble control:

Use this control to enhance or attenuate the treble.

Turn the **<TUNE/MENU>** dial clockwise or anticlockwise to adjust the treble settings then press **<ENTER>** to confirm.

Balance control:

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

Turn the **<TUNE/MENU>** dial anticlockwise or clockwise to adjust the left/right balance then press **<ENTER>** to confirm.

Fade (Fader) control:

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

Turn the **<TUNE/MENU>** dial anticlockwise or clockwise to adjust the front/rear (where fitted) balance then press **<ENTER>** to confirm.

AUX VOL (Auxiliary volume) control:

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

Turn the **<TUNE/MENU>** dial anticlockwise or clockwise to select [LO], [MID], or [HI] mode then press **<ENTER>** to confirm.

SPD VOL (Speed volume) control:

This mode controls the volume output from the speakers automatically in relation to vehicle speed.

When [SPD VOL] is displayed, turn the <TUNE/MENU> dial clockwise or anticlockwise to adjust the volume level.

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

Clock setting

The [Clock] set up screen will appear when selecting the [Clock] item from the set up menu.

[Set Time]:

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

1. The hour display will start flashing. Turn the <TUNE/MENU> dial to adjust the hour.
2. Press the <ENTER> button. The minute display will start flashing.
3. Turn the <TUNE/MENU> dial to adjust the minute.
4. Press <ENTER> to finish the clock adjustment.

[On/Off]:

Set the clock display between on or off when the audio unit is turned off.

If set in the [ON] position, the clock will be displayed when the audio unit is turned off either by pressing the  button or when the power switch is placed in the "OFF" position.

[Clock Format]:

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

Bluetooth®

For activation or deactivation details, see  "Bluetooth® operation" later in this section

Language

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

- [French]
- [English]
- [German]
- [Spanish]
- [Portuguese]

- [Italian]
- [Dutch]
- [Turkish]
- [Russian]

Scroll direction

Sets the scroll direction of the <TUNE/MENU> dial. For example, to change the way in which you turn the dial (anticlockwise or clockwise) in order to scroll up or down a list.

Compact Disc (CD) operation

The CD player can play a music CD or an encoded MP3/WMA CD and while listening to those CDs certain text might be able to be displayed (when CD encoded with text is being used).

Press the <CD> button and the CD (if loaded) will start to play.

When <CD> is pressed and the radio or AUX source mode is already operating, it will automatically turn off the playing source and the CD play mode will start.

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

CAUTION

- Do not force the CD into the slot. This could damage the player.
- Do not use 8 cm (3.1 in) discs.

CD insert (CD player)

Insert the CD disc into the slot with the label side facing up. The disc will be guided automatically into the slot and will start playing. After loading the disc, track information will be displayed.

NOTE:

- The CD player accepts normal audio CD or CD recorded with MP3/WMA files.
- Inserting a CD recorded with MP3/WMA files, the audio unit will automatically detect and [MP3CD] will be indicated.
- An error notification message will be displayed when inserting a wrong disc type (for example: DVD), or the player cannot read the CD disc. Eject the disc and insert another disc.



CD button

Press the <CD> button to start playing the loaded CD. Playing starts from the track that was being played when the CD play mode was switched off.

Audio main operation

List view:

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

Quick search:

In the list view mode, quick search can be performed to find a track from the list.

Push the <A-Z>  button then turn the <TUNE/MENU> dial for the first alphabetic/numerical letter of the track title then press <ENTER>. When found, a list of the available tracks will be displayed. Select, and press <ENTER> to play the preferred track.



Fast Forward (Cue), Fast Reverse (Review) buttons:

When the  (Cue) or  (Review) button is pressed 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:

Pressing the  or  button once, the track will be skipped forward to the next track or backward to the beginning of the current played track. Press the  or  button more than once to skip through the tracks.

Folder browsing:

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

To select a preferred folder:

1. Press the <ENTER> or  button and a list of tracks in the current folder is displayed.
2. Press the  button.
3. Turn the <TUNE/MENU> dial for the preferred folder.

4. Press <ENTER> to access the folder. Press <ENTER> again to start playing the first track or turn the <TUNE/MENU> dial, and press <ENTER> to select another track.

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

To return to the previous folder screen, press .

RPT Repeat button:

Push the RPT① button and the current track will be played continuously.

MIX button:

Push the MIX② button and all the tracks will be played in a random order.

DISP button:

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

When the DISP⑤ button is pressed repeatedly, further information about the track can be displayed along with the track title as follows:

CD:

Track time → Artist name → Track title → Album title → Track time

CD with MP3/WMA:

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

Track details:

A long press on the DISP button ⑤ will turn the display into a detailed overview and after a few seconds it returns to the main display, or press the DISP button ⑤ briefly.



CD eject button

CD player:

Press the  (eject) button and the CD will be ejected.

Ejecting CD (with power switch in “OFF” or LOCK):

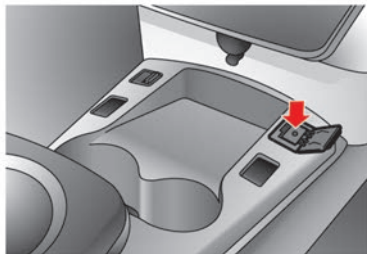
When the power switch is in the “OFF” or LOCK position it is possible to eject the currently played CD. However the audio unit will not be activated.

Press the  button and the CD will be ejected.

NOTE:

- When the CD is ejected and not removed within 8 seconds, it will automatically retract into the slot to protect it from damage.
- If an error message appears in the display, press  to eject the faulty CD and insert another CD or check if the ejected CD is inserted upside down.

AUX socket



Audio main operation

The auxiliary input jack accepts any standard analog audio input such as from a portable cassette player, CD player or MP3 player.

Insert a 3.5 mm (1/4 inch) stereo mini plug in the auxiliary socket. If a cable with a mono plug is used, the audio output may not function normally.

Press the <AUX> button for the AUX mode.

USB (Universal Serial Bus) Connection port



Connecting USB memory

⚠ CAUTION

- Do not force the USB device into the USB port. Inserting the USB device tilted or up-side-down into the port may damage the port. Make sure that the USB device is connected correctly into the USB port. (Some USB devices come with  mark as a

guide. Make sure that the mark is facing the correct direction before inserting the device.)

- Do not locate objects near the USB device to prevent the objects from leaning on the USB device and the port. Pressure from the objects may damage the port.

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

Connect a USB memory stick as illustrated. The display will show a notification message, for a few seconds, that it is reading the data.

If the audio system has been turned off while the USB memory was playing, pressing  will start the USB memory operation.

<AUX> button

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

- Press the <AUX> button then turn the <TUNE/MENU> dial to the [USB] item. Once highlighted, press <ENTER>.
- Press <AUX> repeatedly until [USB] is highlighted, then press <ENTER>.

Audio main operation

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

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

DISP button ⑤

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

When the **DISP** button ⑤ is pressed repeatedly, further information about the track can be displayed along with the track title as follows:

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

Track details:

A long press on the **DISP** button ⑤ will turn the display into a detailed overview and after a few seconds it returns to the main display, or press the **DISP** button ⑤ briefly.

iPod PLAYER OPERATION



Connecting iPod to the USB connection port ()

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

Connect the iPod cable to the USB connector. The battery of the iPod will be charged during the connection to the vehicle. The display will show a notification message, for a few seconds, that it is reading the data.

If the audio system has been turned off while the iPod was playing, pressing  will start the iPod operation. During the connection, the iPod can only be operated with the audio controls.

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

Compatibility:

The following compatible models are:

- iPhone 3GS (firmware version 3.1.2 or later)
- First generation:
 - iPod nano (firmware version 1.3.1 or later)
 - iPod touch (firmware version 2.2.1 or later)
 - iPhone (firmware version 2.2.1 or later)
- Second generation:
 - iPod touch (firmware version 3.1.2 or later)
 - iPhone 3G (firmware version 3.1.3 or later)

- Third generation
iPod touch (firmware version 3.1.3 or later)
iPod nano (firmware version 1.1.3 PC or later)
- Fourth generation: iPod Classic (firmware version 3.1.1 or later)
- Fifth generation:
iPod Nano (firmware version 1.0.2 PC or later)
iPod Video (firmware version 1.3 or later)
- Sixth generation:
iPod Classic 80GB (firmware version 1.1.2PC or later)
iPod Classic 120GB (firmware version 1.1.2 or later)
iPod Classic 160GB (firmware version 2.0.4 PC or later)

NOTE:

- **At the time of publication, this audio system was tested with the latest iPod players/iPhone available. Due to the frequent update of consumer devices like MP3 players, NISSAN cannot guarantee that all new iPod players/iPhone launched will be compatible with this audio system.**

- **Some iPod operations may not be available with this system.**
- **Make sure that the iPods/iPhones is updated with the latest firmware.**
- **The iPod touch may not respond quickly with the system in some cases.**
- **iPod Shuffle and iPod mini cannot be used with this system.**

<AUX> button

To operate the iPod use one of the following methods:

- Press the <AUX> button then turn the <TUNE/MENU> dial for the [iPod] item. Once highlighted, press <ENTER>.
- Press <AUX> repeatedly until [iPod] is highlighted then press <ENTER>.

Audio main operation

Interface:

The interface for iPod operation shown on the audio system display is similar to the iPod interface. Use the <TUNE/MENU> dial and the <ENTER> button to play a track on the iPod.

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

- [Playlists]
- [Artist]
- [Albums]
- [Songs]

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  "Compact Disc (CD) operation" earlier in this section.

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

DISP button ⑤

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

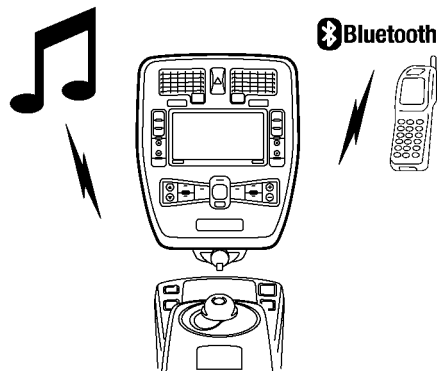
When the **DISP** button ⑤ is pressed repeatedly, further information about the track can be displayed along with the track title as follows:

Track time → Artist name → Album title → Track time

Track details:

A long press on the **DISP** button ⑤, the screen displays the song title, artist name, and album title. After a few seconds it returns to the main display or press the **DISP** button ⑤ briefly.

Bluetooth® operation



Regulatory information



Bluetooth® is a trademark owned by Bluetooth SIG, Inc.

CE statement

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



NOTE:

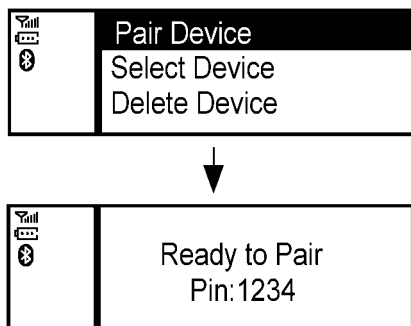
The audio system only supports Bluetooth® devices with AVRCP (Audio Video Remote Control Profile) version 1.3, or 1.0 or earlier.

BLUETOOTH® settings

To set up the Bluetooth system with your preferred device, push the **<SETUP>** button and select [Bluetooth], then push the **<ENTER>** button or alternatively, press the button. The following items are available:

- [Pair Device]
Bluetooth devices can be paired with the system. A maximum of 5 Bluetooth devices can be registered.
- [Select Device]
Paired Bluetooth devices are listed and can be selected for connection.
- [Delete Device]
A registered Bluetooth device can be deleted.
- [On/Off]
If this setting is turned off, the connection between the Bluetooth devices and the in-vehicle Bluetooth module will be cancelled.

[Pair Device]:



1. Press the **<SETUP>** button. Select the [Bluetooth] key using the **<TUNE/MENU>** dial. Then press the **<ENTER>** button.

You can register up to 5 different Bluetooth mobile phones. However, you can only use one device at a time. If you have 5 different Bluetooth registered devices, a new device can only replace one of the 5 existing paired devices. Use [Delete Device] key to delete one of the existing paired devices. For details, see "[Delete Device]" later in this section.

2. Select the [Pair Device] key.

The pairing procedure depends on the connected device:

- **Mobile phone:**
The message [Ready to Pair Pin:1234] will be displayed.
- **Audio device without PIN code:**
The Bluetooth connection will be automatically connected without any further input.
- **Audio device with PIN code:**
A new screen will appear. Assign the 4 digit PIN code by turning the **<TUNE/MENU>** dial to each code and press the **<ENTER>** button to confirm. Then select [Validate] and press **<ENTER>**. The Bluetooth connection will be made. The 4-digit PIN code is provided with the audio device, see the owner's manual of the audio device.

3. On Bluetooth® audio/mobile phone devices.

- 1) Switch on the Bluetooth® connection, if not already switched on.
- 2) Switch on the search mode for Bluetooth® devices. If the search mode finds a device it will be shown on the device display.

- 3) When a device is found use the **<TUNE/MENU>** dial to scroll to, and press **<ENTER>** to select [My Car].

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

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

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

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

NOTE:

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

- For assistance with the Bluetooth® audio/mobile phone integration, please contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

[Select Device]:

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

The following symbols (where fitted) indicate the capability of the registered device:

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

[Delete Device]:

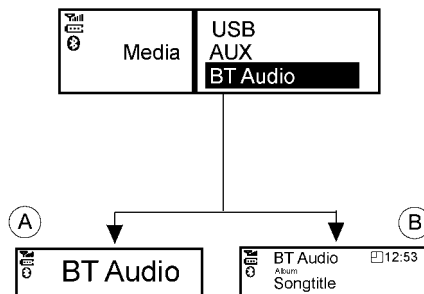
A registered device can be removed from the Bluetooth audio system. Select a registered device then press <ENTER> to confirm to deletion.

[On/Off]:

If Bluetooth® has been switched off a notification message [On/Off] appears when you select [Bluetooth] from the setup menu screen,

or press . To switch the Bluetooth® signal on, press <ENTER> and a follow up screen will appear. Then select [On] and press <ENTER> to display the Bluetooth® settings menu screen.

Bluetooth® audio streaming main operation



Turn the power switch to the ACC or ON position. If the audio system was turned off while the Bluetooth® audio was playing, pressing the <  > button will start the Bluetooth® audio streaming.

<AUX> button:

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

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

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 the  (Cue) or  (Review) button is pressed 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:**

Pressing the  or  button once, the track will be skipped forward to the next track or backward to the beginning of the current played track. Press the  or  button more than once to skip through the tracks.

Play/Pause:

Press the <ENTER> button to pause. To resume, press <ENTER> again.

DISP button ⑤ (where fitted)

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 ⑤ is pressed repeatedly further information about the song can be displayed along with the song title.

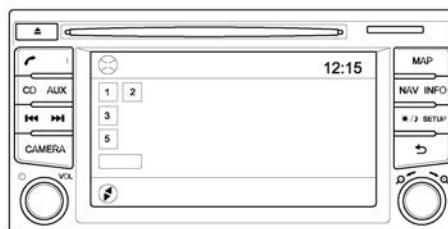
A long press on the **DISP** button ⑤ will turn the display into a detailed overview which after a few seconds returns to the main display; or press the **DISP** button ⑤ briefly.

Bluetooth® mobile phone feature

This system offers a hands-free facility for your mobile telephone with Bluetooth® to enhance driving safety, and comfort.

For details, see  "Mobile phone integration (where fitted)" later in this section.

NISSAN CONNECT™ (where fitted)



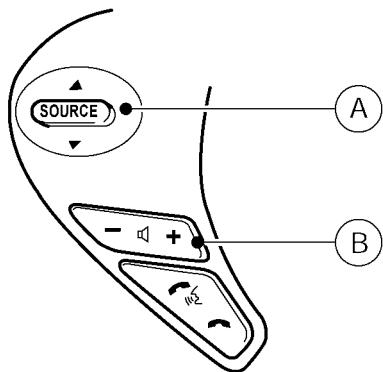
Refer to the separately provided NISSAN Connect™ owner's manual.

LEAF AUDIO AND NAVIGATION SYSTEM (where fitted)



For details, see the separately provided EV (Electric Vehicle) navigation system owner's manual.

AUDIO CONTROL STEERING SWITCH



- A. SOURCE select switch (push)
Tuning/track select switch (up or down)
- B. Volume control switch

SOURCE select switch

Push the source select switch to change the mode to available audio sources.

Volume control switch

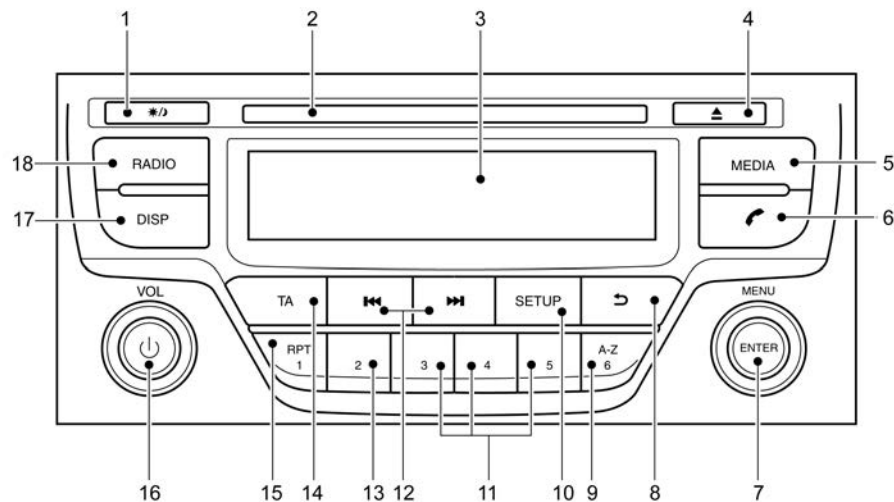
Push the volume control switch (+ or -) to increase or decrease the volume.

Tuning/track select switch

Push the switch upward or downward to select a channel, track, CD or folder when they are listed on the display.

- Preset station change (radio mode)
Push the up/down scrolling switch (▲ or ▼) for less than 1.5 seconds to select one of the preset radio stations.
- Seek tuning (radio mode)
Push the up/down scrolling switch (▲ or ▼) for more than 1.5 seconds to seek for the next or previous radio station.
- Track up/down (CD with MP3/WMA*, iPod*, USB memory* or Bluetooth audio* mode)
Push the up/down scrolling switch (▲ or ▼) for less than 1.5 seconds to select the next track or to return to the beginning of the present track. Push (up/down) several times to skip through or skip back the tracks.
Push the up/down scrolling switch (▲ or ▼) for more than 1.5 seconds to select the next folder or the previous folder.

FM AM RADIO WITH CD (Type B) (where fitted)



1.  (Day/Night) button
(Display brightness (Day/Night mode) button) Turn the MENU dial to set the display brightness

The illumination brightness level is linked to the headlight switch. When the

headlights are switched "ON" the brightness is dimmed automatically. Press the button to toggle illumination brightness levels between daytime setting and nighttime setting independent of headlamp status.

2. CD slot
3. Display
4. CD eject button
5. MEDIA button
Switch between the audio sources (CD, USB, AUX, BT Audio)(if connected)
6. Depending on model:
— Telephone button
— MUTE button
7. Radio mode: TUNE dial
Audio unit mode: MENU dial
Confirmation (ENTER) button
8. Back button
9. Radio mode: Preset button
USB/MP3 CD or Phone mode: Quick search button
10. SETUP button
11. Preset buttons
12. Fast Forward (Cue)/Forward Track and Rewind/Previous Track buttons
13. Radio mode: Preset button
Depending on model:
CD/iPod/USB/Bluetooth audio mode: MIX button

14. Depending on model:
 - Traffic Announcement (TA) button
 - MIX button
15. Radio mode: Preset button
 CD/iPod/USB/Bluetooth audio mode:
 Repeat (RPT) button
16. Power ON-OFF button/Volume control (VOL) knob
17. DISPLAY button
 Provides on screen information when available (music tags, RDS, etc.)
18. RADIO button

AUDIO MAIN OPERATION

The audio unit operates when the ignition switch is in Acc or ON position.

Anti-theft system

Use of a 4-digit radio PIN (Personal Identification Number) code, known only to the vehicle owner, effectively reduces the possibility of the audio unit being stolen. Without the PIN code the audio unit cannot be activated.

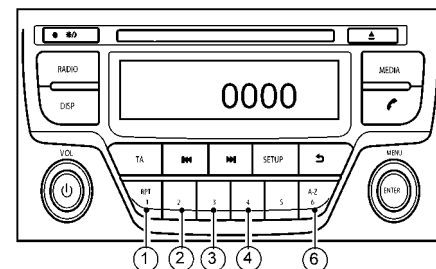
If force is used to try and remove the audio unit, the Anti-theft system activates and the audio unit is locked. The only way to unlock the audio unit is to enter the radio code number shown on an identification card supplied with the vehicle documentation.

NOTE:

- The 4 digit radio code is shown on a card that you received with your vehicle documentation.
- Record the 4 digit radio code on the “Security information” page at the end of this manual. Remove the security page and keep it in a safe, not in the vehicle.

- Contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer, if you do lose the 4 digit radio code of the audio unit.

Unlocking the unit



If the battery supply to the vehicle is interrupted, the audio unit will lock.

When the power is restored and the unit is switched on, the display will show the [Radio Code:] and it will be unlocked when the code has been entered correctly.

Unlocking procedure:

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

To unlock the audio unit, proceed as follows:

1. Turn the power switch to the ACC or ON position.
2. [Radio Code:] is displayed along with four numerical zero digits.
3. Press preset button ① the number of times corresponding with the first digit of the radio code.

For example, if the radio code is 5169: for the first digit, "5", press the preset button ① five times.

4. The second, third, and fourth digits of the radio code must be entered, in the same way, only now using preset buttons ②, ③, and ④.

For example, press ② once, ③ six times, and ④ nine times.

5. Press with a long press preset button <⑥> to confirm the code. If you entered the code correctly the unit will switch on.

6. If the code is entered incorrectly a notification message [INCORRECT PIN] and the number of attempts left [REMAINING TRIES: XX] will be shown.

After reading the message, press the <ENTER> button to return to the entry screen and enter the correct radio code.

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



Power ON/OFF button

Press the  button to switch on the audio unit. If the audio unit was switched off using the ignition switch, it can also be switched on with the ignition switch. The source that was playing immediately before the unit was

switched off will resume playing and the volume will be set to the previous volume level.

The audio unit can be switched off by pressing , or by turning the ignition switch to the OFF or LOCK position.



Volume (VOL) level control

Turn the <VOL> dial clockwise or anticlockwise to adjust the volume level.

The audio unit is equipped with a speed control volume function, this means that the audio system automatically adjusts the volume level in relation to vehicle speed. For details, see  "[Speed Volume] menu" later in this section.

MUTE button (where fitted)

Press the mute button to mute the volume level and MUTE appears on the display. To cancel the mute mode, use any one of the following steps:

- Press again the <MUTE> button
- Turn the volume control rotary knob.
- Press the <RADIO> or <MEDIA> button.

RADIO OPERATION

When the  (power ON/OFF) button is pressed, the audio unit will switch on with the last received radio station, if the audio unit was previously switched off in radio mode.

The radio is able to receive multiple kinds of audio transmissions:

- FM
- AM

Radio band select buttons

Press the **<RADIO>** button to change the audio transmission source as follows:

FM1 → FM2 → AM → FM1

When **<RADIO>** button is pressed, the radio will come on at the last received radio station. If audio is already playing using one of the other input sources (iPod, Bluetooth, CD, USB, AUX-in) pressing the **<RADIO>** button will switch off the playing source mode and the last received radio station will be selected.

Setting preset stations

Auto populating the [FM List]:

When the **<RADIO>** button is pressed for more than 1.5 seconds the six stations with the strongest signals are stored in the preset

(1 to 6) buttons of the band. During the search, a notification message [Updating FM List] appears in the display and the sound is muted until the operation is complete. Once completed, the radio reverts to the previously selected radio station.



Manual tuning

When adjusting the broadcasting station frequency manually access the [FM List] and turn the **<MENU>** dial until the desired station is tuned in.

The frequency increases or decreases in steps of 100 kHz on the FM band, and 9 kHz on the AM band.

WARNING

The radio should not be tuned while driving in order for full attention to be given to the driving operation.



SEEK tuning buttons

FM mode:

Pressing the  or  button starts the tuning mode. A short press of the button will increase or decrease the frequency a single

step. Pressing the button longer will activate the seek mode. The radio tuner seeks from low to high or high to low frequencies and stops at the next broadcasting station. During seek mode, the audio output is muted. If no broadcasting station can be found within the complete band cycle, it will return to the initial frequency.

Preset station buttons

Pressing a preset button for less than 2 seconds will select the stored radio station.

Pressing a preset button for more than 2 seconds while in the [FM list] or radio main screen will cause the station currently being received to be stored against that preset button.

- Twelve stations (if available) can be stored in the FM bands. (Six each for FM1 and FM2)
- Six stations (if available) can be set for the AM band.

If the battery is disconnected, or if the fuse blows, the radio memory will be erased. In that case, reset the desired stations after battery connection or fuse replacement.

Radio Data System (RDS) operation (where available)

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

Programme Service (PS) function (station name display function):

- FM:
When an RDS station is tuned in with seek or manual tuning, the RDS data is received and the PS name is displayed.

TA Traffic announcement

This function operates in FM (Radio) mode. This function will still operate in the background if any media source is selected (CD, USB or MEDIA mode).

- Pressing the <TA> button selects the TA mode. The TA indicator is displayed while TA mode is on.
- When <TA> is pressed 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 e.g. [TA: Radio 1].

Once the traffic announcement has finished, the unit returns to the source that was active before the traffic announcement started.

If <TA> is pressed 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.

SETUP BUTTON



To configure [Audio], [Clock], [Radio], and [Language] settings, perform the following procedure:

1. Press the <SETUP> button.
2. Turn the <MENU> dial clockwise or anti-clockwise, the display will appear in the following order:
[Audio] ⇔ [Clock] ⇔ [Radio] ⇔ [Language]

After the desired levels have been set, press either the  (Back) button repeatedly, or the <SETUP> button.

Audio adjustments

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

2. Turn the **<MENU>** dial clockwise or anticlockwise, the display will appear in the following order:

[Sound] → [AUX in] → [Speed Volume] → [Bass Boost] → [Audio Default]

[Sound] menu:

Submenus in the sound menu:

[Bass]	Use this control to enhance or attenuate bass response sound. Turn the <MENU> dial clockwise or anticlockwise to adjust the bass settings then press <ENTER> to confirm.
[Treble]	Use this control to enhance or attenuate the treble. Turn the <MENU> dial clockwise or anticlockwise to adjust the treble settings then press <ENTER> to confirm.
[Balance]	Use this control to adjust the balance of the volume between the left and right speakers. Turn the <MENU> dial anticlockwise or clockwise to adjust the left/right balance then press <ENTER> to confirm.
[Fade]	Use this control to adjust the balance of the volume between the front and rear speakers. Turn the <MENU> dial anticlockwise or clockwise to adjust the front/rear balance then press <ENTER> to confirm.

[AUX in] menu:

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

Turn the **<MENU>** dial anticlockwise or clock-

wise to select [Low], [Medium], or [High] mode then press **<ENTER>** to confirm.

[Speed Volume] menu:

This mode controls the volume output from the speakers automatically in relation to vehicle speed. When [Speed Volume] is displayed, turn the **<MENU>** dial clockwise or anticlockwise to adjust the volume level.

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

[Bass Boost] menu:

Switch [Bass boost] [ON] or [OFF]

[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.

Setting the clock

The clock menu screen set up screen will appear when selecting the [Clock] item from the setup menu.

[Set Time]:

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

1. The hour display will start flashing. Turn the <MENU> dial to adjust the hour.
2. Press the <ENTER> button. The minute display will start flashing.
3. Turn the <MENU> dial to adjust the minute.
4. Press <ENTER> to finish the clock adjustment.

[On/Off]:

Set the clock display between on or off when the audio unit is turned off.

If set in the [ON] position, the clock will be displayed when the audio unit is turned off either by pressing the  button or when the ignition switch is placed in the "OFF" position.

[Format]:

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

[Radio] menu

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

[TA]

Use this control to switch Traffic Announcements on or off when the unit starts.

Turn the <MENU> dial clockwise or anticlockwise to select then press <ENTER> to confirm.

[Ref. FM List]

Manually update the FM station list

Press the <ENTER> to start the search of the stations. The text [Updating FM list...] appears. In a short period of time the stations are updated and the last station (if possible) starts playing.

Language settings

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

- [Chinese]
- [Chinese Simplified]
- [Deutsch]
- [Español]
- [Français]
- [Italiano]

- [Korean]
- [Nederlands]
- [Polski]
- [Português]
- [Türkçe]
- [UK English]
- [русский]

COMPACT DISC (CD) OPERATION

The CD player can play a music CD or an encoded MP3/WMA CD and while listening to those CD's music information tags (track and artist information) can be displayed (when CD encoded with text is being used).

Press the <MEDIA> button and the CD (if loaded) will start to play.

When <MEDIA> is pressed and the radio or another source mode is already operating, it will automatically turn off the playing source and the CD play mode will start.

CAUTION

- Do not force the CD into the slot. This could damage the player.
- Do not use 8 cm (3.1 in) discs.

CD insert (CD player)

Insert the CD disc into the slot with the label side facing up. The disc will be guided automatically into the slot and will start playing. After loading the disc, track information will be displayed.

NOTE:

- The CD player accepts normal audio CD or CD recorded with MP3/WMA files.
- Inserting a CD recorded with MP3/WMA files, the audio unit will automatically detect and [MP3CD] will be indicated.
- An error notification message will be displayed when inserting a wrong disc type (e.g. DVD), or the player cannot read the CD disc. Eject the disc and insert another disc.

MEDIA button

Load a CD disc. After a short loading period the CD starts playing.

If the disc was already loaded:

Press the <MEDIA> button (depending on other connected audio sources if necessary multiple times) to select CD. Playing starts from the track that was being played when the CD play mode was switched off.

Audio main operation

List view:

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

Press the  button to return to the song.



**Fast Forward (Cue),
Fast Reverse (Review)
buttons:**

When the  (Cue) or  (Review) button is pressed 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:**

Pressing the  or  button once, the track will be skipped forward to the next track or backward to the beginning of the current played track. Press the  or  button more than once to skip through the tracks.

Folder browsing:

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

To select a preferred folder:

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

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

To return to the previous folder screen, press .



Repeat button:

Push the **RPT** button ① and the current track will be played continuously.



MIX button:

Push the **MIX** button ② and all the tracks in the current folder (MP3 CD/USB) or playlist (iPod) will be played in a random order.

When the entire folder/playlist has been played the system will start playing the next folder/playlist.



DISP button:

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

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

CD:

Track time → Artist name → Album title → Track time

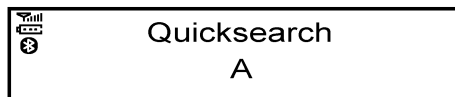
CD with MP3/WMA:

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

The track name is always displayed.

Track details:

A long press on the **DISP** button will turn the display into a detailed overview and after a few seconds it returns to the main display, or press **DISP** briefly.



Quick search:

When a MP3 CD with recorded music information tags (ID3-text tags) is being played from list view mode, a quick search can be performed to find a track from the list.

Push the <A-Z> button then turn the <MENU> dial for the first alphabetic/numerical letter of the track title then press <ENTER>. When found, a list of the available tracks will be displayed. When there is no match (the display shows [No match]) the next item will be shown. Select, and press <ENTER> to play the preferred track.



CD eject button

CD player:

Press the ▲ (eject) button and the CD will be ejected.

Ejecting CD (with ignition switch in “OFF” or LOCK):

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

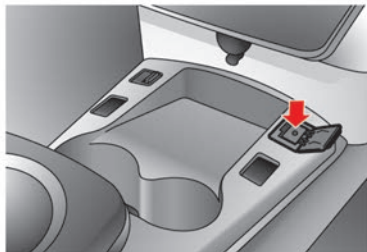
Press the ▲ button and the CD will be ejected.

NOTE:

- When the CD is ejected and not removed within 8 seconds, it will automatically retract into the slot to protect it from damage.
- If an error message appears in the display, press ▲ to eject the faulty CD and insert another CD or check if the ejected CD is inserted upside down.

The AUX and USB sockets are located on the centre console.

AUX SOCKET



Audio main operation

The auxiliary input jack accepts any standard analog audio input such as from a portable cassette player, CD player or MP3 player.

Insert a 3.5 mm (1/4 inch) stereo mini plug in the auxiliary socket. If a cable with a mono plug is used, the audio output may not function normally.

Press the <MEDIA> button to select the AUX mode.

USB (Universal Serial Bus) CONNECTION PORT (where fitted)



Connecting USB memory

Connect a USB memory stick or another USB device. The display will show the notification message [USB Detected Please Wait...] for a few seconds, while it is reading the data. If the audio system has been turned off while the USB memory was playing, pressing  will start the USB device operation.

CAUTION

- Do not force the USB device into the USB port. Inserting the USB device

tilted or up-side-down into the port may damage the USB device and the port. Make sure that the USB device is connected correctly into the USB port. (Some USB devices come with a  mark as a guide. Make sure that the mark is facing the correct direction before inserting the device.)

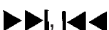
- Do not locate objects near the USB device to prevent the objects from leaning on the USB device and the port. Pressure from the objects may damage the USB device and the port.

MEDIA button

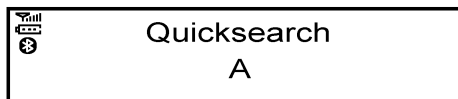
To operate the USB device press <MEDIA> once or repeatedly until [USB] is available.

Audio main operation

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

- List view
- Quick search
- 
- MIX (Random play)

- RPT (Repeat track)
- Folder browsing



Quick search:

When a USB device with recorded music information tags (ID3–text tags) is being played from list view mode, a quick search can be performed to find a track from the list.

Push the **<A-Z>** ⑥ button then turn the **<MENU>** dial for the first alphabetic/numerical letter of the track title then press **<ENTER>**. When found, a list of the available tracks will be displayed. When there is no match (the display shows [No match] the next item will be shown. Select, and press **<ENTER>** to play the preferred track.

DISP button ⑤

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

When the **DISP** button ⑤ is pressed 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:

A long press on the **DISP** button ⑤ will turn the display into a detailed overview and after a few seconds it returns to the main display, or press the **DISP** button ⑤ briefly.

iPod® PLAYER OPERATION (where fitted)



Connecting iPod®

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

Connect the iPod cable to the USB connector. The battery of the iPod® will be charged during the connection to the vehicle. The display will show the notification message [iPod <Name> Detected...] for a few seconds, while it is reading the data.

If the audio system has been turned off while the iPod® was playing, pressing **⏏** will start the iPod® operation. During the connection, the iPod® can only be operated with the audio controls.

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

⚠ CAUTION

- Do not force the iPod cable into the USB port. Inserting the iPod cable tilted or upside-down into the port may damage the iPod cable and the port. Make sure that the iPod cable is connected correctly into the USB port. (Some iPod cables come with a

 mark as a guide. Make sure that the mark is facing the correct direction before inserting the iPod cable.)

- Do not locate objects near the iPod cable to prevent the objects from leaning on the iPod cable and the port. Pressure from the objects may damage the iPod cable and the port.

Compatibility:

NOTE:

- At the time of publication, this audio system was tested with the latest iPod® players/iPhone® available. Due to the frequent update of consumer devices like MP3 players, NISSAN cannot guarantee that all new iPod® players/iPhone® launched will be compatible with this audio system.
- Some iPod® operations may not be available with this system.
- NISSAN audio system supports only accessories that Apple has certified and that come with the “Made for iPod/iPhone/iPad” logo.
- Make sure that the iPod®/iPhone® is updated with the latest firmware.

- iPod® Shuffle and iPod® mini cannot be used with this system.
- Full functionality of iPhone USB and Bluetooth Audio may not be available to the user if the same device is connected by USB and Bluetooth simultaneously.

MEDIA button

To operate the iPod press <MEDIA> once or repeatedly until [iPod <Name>] is shown.



Audio main operation

Interface:

The interface for iPod® operation shown on the audio system display is similar to the iPod® interface. Use the <MENU> dial and the <ENTER> button to play a track on the iPod®.

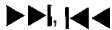
The following items can be chosen from the menu list screen.

- [Playlists]
- [Artists]
- [Albums]

- [Tracks]
- [More]
 - [Composers]
 - [Genre]
 - [Podcasts]

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  “Audio main operation” earlier in this section.

- List view
- 
- MIX (Random play)
- RPT (Repeat track)
- Folder browsing

DISP button ⑤

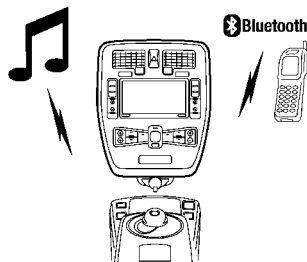
While a track with recorded music information tags (ID3-tags) is being played, the title of the played track is displayed. If the tags are not provided then a notification message is displayed.

When the **DISP** button ⑤ is pressed 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:

A long press on the **DISP** button, the screen displays the song title, artist name, and album title. After a few seconds it returns to the main display or press the **DISP** button ⑤ briefly.



BLUETOOTH® OPERATION

Regulatory information



Bluetooth® is a trademark owned by Bluetooth SIG, Inc.

CE statement

Hereby Yanfeng Visteon Automotive Electronics Co., Ltd. declares that this system is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.



NOTE:

The audio system only supports Bluetooth® devices with AVRCP (Audio Video Remote Control Profile) version 1.4 or earlier.

BLUETOOTH® settings

To pair a device, make sure the Bluetooth is switched on and use the [Scan devices] key or the [Pair device] key. For details, see  "[Scan devices]" later in this section.

Up to 5 different Bluetooth devices can be connected. However, only one device can be

used at a time. If 5 different Bluetooth registered devices are registered, a new device can only replace one of the 5 existing paired devices. Use [Del. device] key to delete one of the existing paired devices. For details, see  "[Del. device]" later in this section.

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

*: If the low battery message comes on, the Bluetooth® device must be recharged soon. The pairing procedure and operation may vary according to device type and compatibility. See the Bluetooth® owner's manual for further details.

NOTE:

- For device details, see your audio/mobile phone Owner's Manual.
- For assistance with the Bluetooth® audio/mobile phone integration, please visit your local NISSAN dealer.

To set up the Bluetooth system with a device the following items are available:



- [Scan devices]
Bluetooth devices can be paired with the system. A maximum of 5 Bluetooth devices can be registered.
- [Pair device]
Bluetooth devices can be paired with the system. A maximum of 5 Bluetooth devices can be registered.
- [Sel. device]
Paired Bluetooth devices are listed and can be selected for connection.
- [Del. device]
A registered Bluetooth device can be deleted.
- [Bluetooth]
If this setting is turned off, the connection between the Bluetooth devices and the in-vehicle Bluetooth module will be cancelled.

[Scan devices]:

- 1) Press the button. Select [Scan devices]
The audio unit searches Bluetooth devices and shows all visible devices.
Make sure your Bluetooth device is visible at this time.
- 2) Select the device to be paired.
Use the <MENU> dial and press to select.
- 3) The pairing procedure may depend on the 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:
 - Type A:
The message [To pair] [Enter Pin] 0000 will be displayed.
Confirm the PIN code on the device.
The Bluetooth connection will be made.
 - Type B:
The message [Pairing request] [Confirm password] together with a 6 digit code will be displayed. The

unique and identical code should be displayed on the device. If the code is identical confirm on the device.
The Bluetooth connection will be made.

[Pair device]:

- Turn the audio unit Bluetooth® on. See [Bluetooth] description.
- Use the audio unit to pair:
Press the button. 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 devices]" earlier in this section.
- Use the Bluetooth® audio/mobile phone device to pair:
 - 1) Follow the instructions in the owner's manual for the Bluetooth® enabled device to search for the audio unit.

If the search mode finds the audio unit it will be shown on the device display.

- 2) Select the audio unit shown as [My Car].
- 3) Follow the instructions in the owner's manual for the Bluetooth® enabled device to establish a connection with the audio unit.
- 4) Enter the PIN code shown on the relevant device with the device's own keypad, and press the confirmation key on the device itself.

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 with the Bluetooth® audio system. If the list contains devices then select the appropriate device to connect to the Bluetooth® audio system.

The following symbols (where fitted) indicate the capability of the registered device:

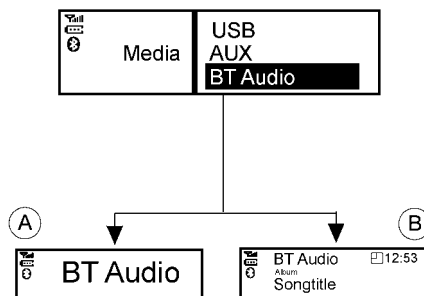
- 📞 : Mobile phone integration
- 🎵 : Audio streaming (A2DP – Advanced Audio Distribution Profile)

[Del. device]:

A registered device can be removed from the Bluetooth audio system. Select a registered device then press <ENTER> to confirm to deletion.

[Bluetooth]:

If Bluetooth® has been switched off a notification message [ON/OFF] appears when you select [Bluetooth] from the phone menu (press 📞). To switch the Bluetooth® signal on, press <ENTER> and a follow up screen will appear. Then select [ON] and press <ENTER> to display the Bluetooth® settings menu screen.



Bluetooth® audio streaming main operation

Turn the ignition switch to the Acc or ON position. If the audio system was turned off while the Bluetooth® audio was playing, pressing the <📶> button will start the Bluetooth® audio streaming.

MEDIA button:

To operate the Bluetooth® audio streaming use the following method:

- Press <MEDIA> 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 the ►► (Cue) or ◄◄ (Review) button is pressed 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:

Pressing the ►► or ◄◄ button once, the track will be skipped forward to the next track or backward to the beginning of the current played track. Press the ►► or ◄◄ button more than once to skip through the tracks.



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 pressed repeatedly further information about the song can be displayed along with the song title.

A long press on **DISP** will turn the display into a detailed overview which after a few seconds returns to the main display; or press **DISP** briefly.

Bluetooth® mobile phone feature

This system offers a hands-free facility for your mobile telephone with Bluetooth® to enhance driving safety, and comfort.

For details, see  "Mobile phone integration (where fitted)" later in this section.

Specification chart

Supported media			CD-R, CD-ROM, CD-RW, USB 2.0 MSC
CD Size			12 cm diameter. up to 1.9 mm thickness
Supported file systems for CD			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 file systems for USB			FAT-16, FAT-32
Supported versions *1	MP3	Version	MPEG1, Layer 3
		Sampling frequency	32 KHz - 44.1 KHz - 48 kHz
		Bit rate	32, 40, 48, 56, 64, 80, 96, 112, 128, 144, 160, 192, 224, 256, 288, 320, Kbps, VBR *4
	WMA *3	Version	WMA7, WMA8, WMA9
		Sampling frequency	16 KHz, 22.05 KHz, 32 KHz, 44.1KHz, 48 kHz
		Bit rate	48, 64, 80, 96, 128, 160, 192, 256, 320 Kbps, VBR *4
	AAC	Version	MPEG-4, AAC
		Sampling frequency	8, 11.025, 16, 22.05, 32, 44.1, 48 kHz
		Bit rate	32, 48, 64, 80, 96, 128, 160, 192 Kbps, VBR *4
Tag information (Song title and Artist and Album name)	CD	CDDA	
	MP3	ID3 tag ver. 1.0, 1.1, 2.2, 2.4	
	WMA	WMA tag	
	AAC	AAC tag	
Tracks/Files support			CDDA — 99 tracks MP3/WMA/AAC in CD — 999 files USB — 30000 files
Folders support			100 folders in CD 2500 folders in USB Depth — Till 8, Deeper folders shall be under 8, subject to the maximum.

Playlists support in USB		M3U, WPL, PLS — 1000 playlists.
Text character support	Adjustable character length, depending upon content of media.	File Name: Min 11 Characters (Max 30 Characters) ID3 TAG : Min 24 Characters. (Max 60 Characters) *5
Displayable character codes *2	Unicode, ISO8859-15(French), ISO8859-5(Russian Cyrillic), GB18030-2000(Chinese), BIG-5(Taiwanese), KSX1001-2002(Korean)	01:ASCII, 02: ISO-8859-1, ISO8859-15(French), ISO8859-5(Russian Cyrillic), 03: UNICODE(UTF-16 BOM Big Endian), 04: UNICODE (UTF-16 Non-BOM Big Endian), 05: UNICODE(UTF-8), 06:UNICODE(Non-UTF-16 BOM Little Endian), 07: SHIFT-JIS, GB18030-2000(Chinese), BIG-5(Taiwanese), KSX1001-2002(Korean)
Browsing		File/Folder browsing for CD/MP3, USB

*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.

*5 Support 128 Bytes but it depends on display width and character type.

MOBILE PHONE INTEGRATION (where fitted)

NOTE:

For models with NISSAN Connect™ audio and navigation system or the LEAF audio and navigation system, see the separately provided Owner's Manual.

BLUETOOTH® MOBILE PHONE FEATURE

WARNING

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

CAUTION

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

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

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

In order to use your mobile phone with the Bluetooth® of the audio system, the mobile phone must first be setup. For details, see Bluetooth® operation in  "FM AM radio with CD player (Type A) (where fitted)" earlier 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 (located in the ceiling in front of the rear view mirror), and steering wheel switches enable hands-free communication.

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

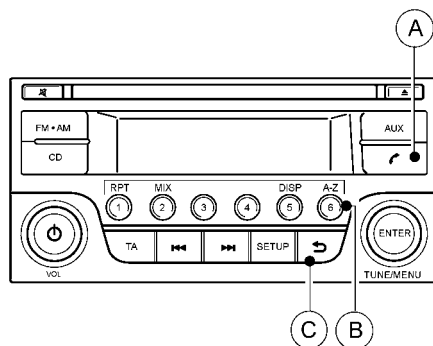
The Bluetooth® system may be not be able to connect with your mobile phone for the following reasons:

- 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 (BT Core v2.0).

NOTE:

- For models with NISSAN Connect (Audio with Navigation system) see the separately provided Owner's Manual.
- For details, see your mobile phone's Owner's Manual.
- For assistance with your mobile phone integration, please visit your knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

BLUETOOTH® settings



(A) Phone button

(B) Phone book quick search button

(C) (Back) button

To setup the Bluetooth system to pair (connect or register) your preferred mobile phone, push the **<SETUP>** button, select the [Bluetooth] key, and then push the **<ENTER>** button. It is also possible to enter the setup menu directly via the (phone) button.

The following options can be selected:

- [Pair Device]
Bluetooth mobile phones can be paired with the system. A maximum of 5 Bluetooth mobile phones can be registered.
- [Select Device]
Paired Bluetooth mobile phones () are listed on the display and can be selected for connection.
- [Delete Device]
A registered Bluetooth mobile phone can be deleted.
- [On]/[Off]
If this setting is turned off, the connection between the Bluetooth devices and the in-vehicle Bluetooth module will be cancelled.

For details, see Bluetooth® operation in "FM AM radio with CD player (Type A) (where fitted)" earlier in this section.

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

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

HANDS-FREE TELEPHONE CONTROL

The hands-free mode can be operated using the telephone button on the audio system, or (where fitted) on the steering wheel.

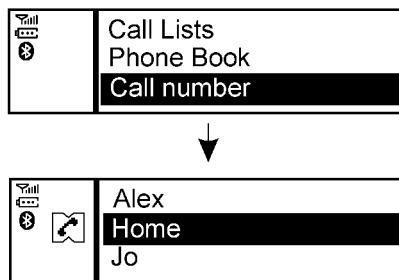
Initiating a call

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

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

Redial:

To redial or call the last number dialled, press <📞> for more than 2 seconds.



Making a call from the phone book:

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

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. Press <📞>.
2. Turn the <TUNE/MENU> dial and scroll down to [Phone Book] then press <ENTER>.
3. Scroll down through the list, select the appropriate contact name (highlighted), and press <ENTER>.
4. A following screen will show the number to be dialled. If correct, press <ENTER> again to dial the number.

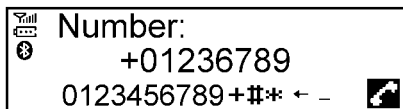
If the contact has more numbers assigned for (home), (mobile), or (office), scroll, and select the appropriate number to dial.

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

1. Press <A-Z/(6)>.

2. Turn the <TUNE/MENU> dial for the first alphabetic or numerical letter of the contact name. Once highlighted, press <ENTER> to select the letter.
3. The display will show the corresponding contact name(s). Where necessary, use the <TUNE/MENU> dial again to scroll further for the appropriate contact name to call.
4. A following screen will show the number to be dialled. If correct, press <ENTER> again to dial the number.

Manually dialling a phone number:



WARNING

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

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

1. Press **<P>**, and turn the **<TUNE/MENU>** dial to highlight [Call Number].
2. Press **<ENTER>** to select [Call Number].

3. Turn the **<TUNE/MENU>** dial to scroll along, and select each number of the phone number. Once highlighted, press **<ENTER>** after each number selection.

To delete the last number entered scroll to the [**←**] (Backspace) symbol, and once highlighted press **<ENTER>**. The last number will be deleted. Pressing **<ENTER>** repeatedly will delete each subsequent number.

4. After entering the last number, scroll to the [**☎**] symbol, and press **<ENTER>**, or press **<P>** to dial the number.

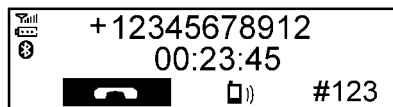
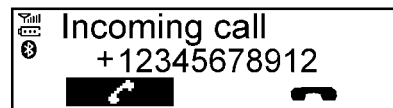
Call Lists:

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

- **Dialled call**
Use the dialled call mode to make a call which is based on the list of outgoing (dialled) calls.
- **Received call**
Use the received call mode to make a call which is based on the list of received calls.
- **Missed call**
Use the missed call mode to make a call which is based on the list of missed calls.

1. Press **<P>**, and select [Call Lists].
2. Turn the **<TUNE/MENU>** dial to scroll to an item, and press **<ENTER>** to select it.
3. Scroll to the preferred phone number then press **<ENTER>**, or press **<P>** to dial the number.

Receiving a call



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

- Answer the call by pressing **<P>** briefly, or press **<ENTER>**.

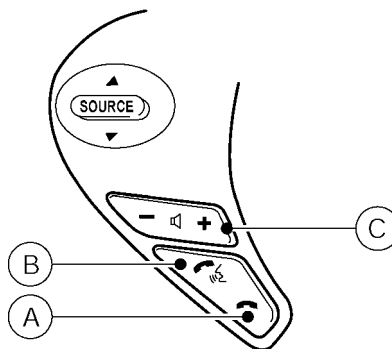
- End the call, after the conversation, by:
 - Pressing <📞> briefly again.
 - Pressing <ENTER> when the [📞] symbol is highlighted.
 If [📞] is not highlighted, turn the <TUNE/MENU> dial to [📞], and press <ENTER>.
- Reject the call by pressing <📞> with a long press or select [📞] from the incoming call screen.

During a call:

During a call, by scrolling and pressing <ENTER>, you can select the following options:

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

STEERING WHEEL SWITCHES



- Ⓐ Telephone button (TALK button)
- Ⓑ Telephone button (Phone end button)
- Ⓒ Volume control buttons

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

Volume control buttons

The volume control buttons allow you to adjust the volume of the speakers by pressing the <+> or <-> button.

Telephone button

The phone buttons <📞> and <📞> allow you to:

- Accept an incoming call by pressing <📞> once.
- Reject an incoming call by pressing <📞> for more than 2 seconds during the incoming call.
- End an active call by pressing the <📞> button once.
- Redial the last outgoing call by pressing the <📞> button for more than 2 seconds.

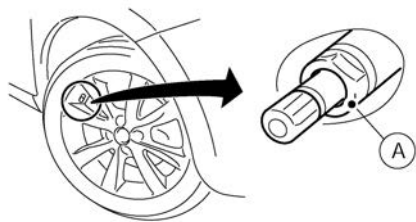
5 Starting and driving

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PRECAUTIONS WHEN STARTING AND DRIVING

WARNING

- Do not 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 accidentally injure themselves or others through inadvertent operation of the vehicle. Also, 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.
- Closely supervise children when they are around cars to prevent them from playing and becoming locked in the tailgate where they could be seriously injured. Keep the car locked, with tailgate securely latched when not in use, and prevent children's access to car keys.
- Properly secure all cargo with ropes or straps 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.



(A) Tyre valve with sensor

TYRE PRESSURE MONITORING SYSTEM (TPMS) (where fitted)

The tyre pressure monitoring system monitors the tyre pressure of the four wheels while the vehicle is in motion. Following a loss in pressure, the system will warn the driver using a visual warning. Each TPMS sensor (A) has a registered wheel location and sends pressure and temperature data via radio to a receiver inside the vehicle.

Each tyre, including the spare (where fitted), should be checked monthly when cold and

inflated to the inflation pressure recommended by the vehicle manufacturer on the vehicle placard or tyre inflation pressure label. (If your vehicle has tyres of a different size than the size indicated on the vehicle placard or tyre inflation pressure label, you should determine the proper tyre inflation pressure for those tyres.)

As an added safety feature, your vehicle has been equipped with a Tyre Pressure Monitoring System (TPMS) that illuminates a low tyre pressure 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 power 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 TPMS warning light will flash for approximately one minute and then remain continuously illuminated. This sequence will continue upon subsequent vehicle start-ups as long as the malfunction exists. When the malfunction 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 warning light does not come on after replacing one or more tyres or wheels on your vehicle to ensure that the replacement or alternate tyres and wheels allow the TPMS to continue to function properly.

Additional information

- The TPMS does not monitor the tyre pressure of the spare tyre (where fitted).
- 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, perform the TPMS reset procedure and then drive the vehicle at speeds above 25 km/h (16 MPH) to activate the TPMS and turn off the low tyre pressure warning light.
- Depending on a change in the outside temperature, the low tyre pressure warning light may illuminate even if the tyre pressure has been adjusted properly. Adjust the tyre pressure to the recommended COLD tyre pressure again when the tyres are cold, and perform the reset procedure.
- If the TPMS is not functioning properly, the low tyre pressure warning light will flash for approximately 1 minute when the power switch is placed in the "ON" position. The light will remain on after the 1 minute. Have the system checked by a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

WARNING

- If the TPMS indicator light illuminates while driving:
 - avoid sudden steering manoeuvres
 - avoid abrupt braking
 - reduce vehicle speed
 - pull off the road to a safe location
 - 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 which 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 TPMS indicator light "OFF". In case of a flat tyre, replace it with a spare tyre (where fitted) as soon as possible. (See  "Flat tyre" in the "6. In case of emergency" section for changing a flat tyre.)

- When a spare tyre is mounted or a wheel is replaced, the TPMS will not function and the TPMS indicator light will flash for approximately 1 minute. The light will remain on after 1 minute. Be sure to follow all instructions for wheel replacement and mount the TPMS system correctly.
- Replacing tyres with those not originally specified by NISSAN could affect the proper operation of the TPMS.
- The Genuine NISSAN Emergency Tyre Repair Sealant or equivalent can be used for temporarily repairing a tyre. Do not inject any other tyre liquid or aerosol tyre sealant into the tyres, as this may cause a malfunction of the tyre pressure sensors.
- NISSAN recommends using only Genuine NISSAN Emergency Tyre Sealant provided with your vehicle. Other tyre sealants may damage the valve stem seal which can cause the tyre to lose air pressure. Visit a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer as soon as possible after us-

ing tyre repair sealant (for models equipped with the emergency tyre puncture repair kit).

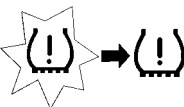
CAUTION

- If the vehicle is driven with a flat tyre, this may damage the TPMS sensor for that tyre.
- 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 TPMS indicator 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.
- If devices which transmit electrical noise are connected to the vehicle's 12-volt battery supply.
- When inflating the tyres and checking the tyre pressure, never bend the valves.
- Special aluminium valves are fitted to mount the TPMS sensors on the wheels. The TPMS sensor is fixed at the wheels by a nut. The nut needs to be correctly fitted at a torque setting of $7.5 \pm 0.5 \text{ N}\cdot\text{m}$. If the TPMS sensor is tightened exceeding the limit, there is a possibility the sensor grommet will be damaged. If the sensor is tightened under the limit, there is a possibility of causing an air leak.
- Use Genuine NISSAN valve caps that comply with the factory-fitted valve cap specifications.
- Do not use metal valve caps.

- Fit the valve caps properly. Without the valve caps the valve and tyre pressure monitor sensors could be damaged.
- Do not damage the valves and sensors when storing the wheels or fitting different tyres.
- Replace the sensor grommet during a tyre change. Once they have been removed, the sensor grommet cannot be reused and must be replaced. The TPMS sensors can be used again.
- Use caution when using tyre inflation equipment with a rigid air supply tube, as leverage applied by the long nozzle can damage the valve stem.

Display information:

TPMS indicator light(s)	Possible cause	Recommended action
	Low tyre pressure Note: Usually, the pressure of the tyre decreases naturally.	Inflate tyre(s) to the correct pressure
	Genuine NISSAN TPMS sensor is not detected at one or more wheels	Check if the TPMS sensors are present. If no sensor is present add a genuine NISSAN TPMS sensor
	TPMS radio communication interference between TPMS wheel sensor and TPMS receiver due to external sources.	Drive away from the area of interference
	TPMS parts malfunction	If the problem persists contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

For additional information about low tyre pressure warning light, see  "Warning lights, indicator lights, and audible reminders" in the "2. Instruments and controls" section.

TPMS sensor ID and position recognition

It is recommended that a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer performs the registration of a new TPMS sensor or sensor location.

It is also possible to register the sensor by yourself as follows:

1. Change the tyre position or have new TPMS sensor fitted.
2. Park the vehicle with the power switch in the ON position for more than 20 minutes. You must perform this step before driving.
3. Drive the vehicle for several minutes between 25 km/h (16 MPH) and 100 km/h (64 MPH). The TPMS sensor ID and position will automatically be detected.

NOTE:

The TPMS might not synchronise if one or more of the following conditions apply:

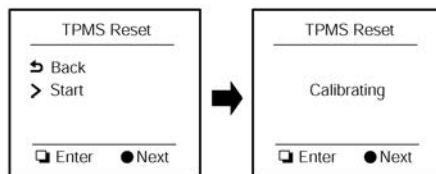
- Bad road conditions
- The TPMS unit does not receive correct data from tyre pressure sensors
- Driving below 25 km/h (16 MPH)
- Driving above 100 km/h (64 MPH)

- High acceleration
- High deceleration
- In stop and go traffic or traffic waves

TPMS reset

To keep the TPMS functioning properly, the reset 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 procedure to reset the TPMS.

1. Park the vehicle in a safe and level place.
2. Apply the parking brake and press the P position switch on the shift lever.
3. Adjust the tyre pressure on all four tyres to the recommended COLD tyre pressure shown on the tyre placard that is affixed to the driver's side centre pillar. Use a tyre pressure gauge to check the tyre pressure.
4. Place the power switch in the ON position. Do not start the electric vehicle system.
5. Push the button to select [Settings].
6. Push the to select [TPMS Reset] then push button.
7. Push the to select [Start] then push button to start the calibrating.
8. To finalise the procedure, start the electric vehicle system and drive the vehicle at speeds above 25 km/h (16 MPH).

If the low tyre pressure warning light illuminates after initialisation the system, it may indicate that the TPMS is not functioning properly. Have the system checked by a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

For additional information about low tyre pressure warning light, see  "Warning lights, indicator lights, and audible reminders" in the "2. Instruments and controls" section.

AVOIDING COLLISION AND ROLLOVER

WARNING

Failure to operate this vehicle in a safe and prudent manner may result in loss of control or an accident.

Be alert and drive defensively at all times. Obey all traffic regulations. Avoid excessive speed, high speed cornering, or sudden steering manoeuvres, because these driving practices could cause you to lose control of your vehicle. **As with any vehicle, a loss of control could result in a collision with other vehicles or objects, or cause the vehicle to rollover, particularly if the loss of control causes the vehicle to slide sideways.** Be attentive at all times, and avoid driving when tired. Never drive when under the influence of alcohol or drugs (including prescription or over-the-counter drugs which may cause drowsiness). Always wear your seat belt as outlined in this manual, and also instruct your passengers to do so.

Seat belts help reduce the risk of injury in collisions and rollovers. **In a rollover crash, an unbelted or improperly belted person is significantly more likely to be injured or killed than a person properly wearing a seat belt.**

OFF-ROAD RECOVERY

While driving, the right side or left side wheels may unintentionally leave the road surface. If this occurs, maintain control of the vehicle by following the procedure below. Please note that this procedure is only a general guide. The vehicle must be driven as appropriate based on the conditions of the vehicle, road and traffic.

- Remain calm and do not overreact.
- Do not apply the brakes.
- Maintain a firm grip on the steering wheel with both hands and try to hold a straight course.
- When appropriate, slowly release the accelerator pedal to gradually slow the vehicle.
- If there is nothing in the way, steer the vehicle to follow the road while the vehicle speed is reduced. Do not attempt to drive the vehicle back onto the road surface until vehicle speed is reduced.

- When it is safe to do so, gradually turn the steering wheel until both tyres return to the road surface. When all tyres are on the road surface, steer the vehicle to stay in the appropriate driving lane.
 - If you decide that it is not safe to return the vehicle to the road surface based on vehicle, road or traffic conditions, gradually slow the vehicle to a stop in a safe place off the road.

RAPID AIR PRESSURE LOSS

Rapid air pressure loss or a "blow-out" can occur if the tyre is punctured or is damaged due to hitting a kerb or pothole. Rapid air pressure loss can also be caused by driving on under-inflated tyres.

Rapid air pressure loss can affect the handling and stability of the vehicle, especially at high-way speeds.

Help prevent rapid air pressure loss by maintaining the correct air pressure and visually inspect the tyres for wear and damage. See  "Wheels and tyres" in the "8. Maintenance and do-it-yourself" section of this manual.

If a tyre rapidly loses air pressure or "blows-out" while driving maintain control of the ve-

hicle by following the procedure below. Please note that this procedure is only a general guide. The vehicle must be driven as appropriate based on the conditions of the vehicle, road and traffic.

WARNING

The following actions can increase the chance of losing control of the vehicle if there is a sudden loss of tyre air pressure. Losing control of the vehicle may cause a collision and result in personal injury.

- The vehicle generally moves or pulls in the direction of the flat tyre.
- Do not rapidly apply the brakes.
- Do not rapidly release the accelerator pedal.
- Do not rapidly turn the steering wheel.

1. Remain calm and do not overreact.
2. Maintain a firm grip on the steering wheel with both hands and try to hold a straight course.
3. When appropriate, slowly release the accelerator pedal to gradually slow the vehicle.

4. Gradually steer the vehicle to a safe location off the road and away from traffic if possible.
5. Lightly apply the brake pedal to gradually stop the vehicle.
6. Turn on the hazard warning flashers and either contact a roadside emergency service to change the tyre or see  "Flat tyre" in the "6. In case of emergency" section of this Owner's Manual.

DRINKING ALCOHOL/DRUGS AND DRIVING

WARNING

Never drive under the influence of alcohol or drugs. Alcohol in the bloodstream reduces coordination, delays reaction time and impairs judgement. Driving after drinking alcohol increases the likelihood of being involved in an accident injuring yourself and others. Additionally, if you are injured in an accident, alcohol can increase the severity of the injury.

NISSAN is committed to safe driving. However, you must choose not to drive under the influence of alcohol. Every year thousands of people are injured or killed in alcohol-related

accidents. Although the local laws vary on what is considered to be legally intoxicated, the fact is that alcohol affects all people differently and most people underestimate the effects of alcohol.

Remember, drinking and driving don't mix! That is true for drugs too (over-the-counter, prescription, and illegal drugs). Do not drive if your ability to operate your vehicle is impaired by alcohol, drugs, or some other physical condition.

INTELLIGENT KEY SYSTEM

The Intelligent Key system can be used to operate the power 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 in the lower display.  "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 12-volt battery is discharged, the power switch cannot be switched from the LOCK position.

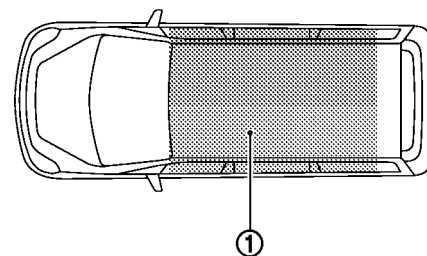
PUSH-BUTTON POWER SWITCH

WARNING

Do not operate the power switch while driving the vehicle except in an emergency. (The electric vehicle system shuts down when the power switch is pushed 3 consecutive times or the power switch is pushed and held for more than 2 seconds.) If the electric vehicle system stops while the vehicle is being driven, this could lead to a crash and serious injury.

Before operating the power switch, make sure the shift lever is in the P (Park) position.

INTELLIGENT KEY OPERATING RANGE FOR ELECTRIC VEHICLE START FUNCTION



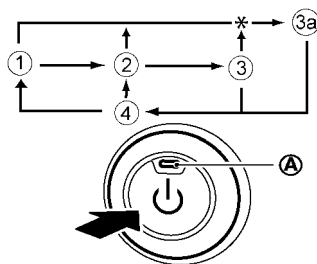
The Intelligent Key function can only be used for starting the electric vehicle system when the Intelligent Key is within the specified operating range ①.

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 it 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 power switch to start the electric vehicle system.

- The cargo 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 or door pocket, the Intelligent Key may not function.
- If the Intelligent Key is placed near a door or window outside the vehicle, the Intelligent Key may not function.

POWER SWITCH OPERATION



- ① LOCK
- ② ACC
- ③ ON
- ③a READY to drive
- ④ OFF

★ Push while the brake pedal is depressed

Ⓐ Indicator light

When the power switch is pushed without depressing the brake pedal, the power switch position will change as follows.

- Push once to change to ACC.
- Push two times to change to ON.
- Push three times to change to OFF.
- Push four times to return to ACC.
- Open or close any door to return to LOCK while in the OFF position.

The indicator light Ⓐ on the power switch illuminates when the power switch is in the ACC or ON position.

When the power switch cannot be switched to the LOCK position, proceed as follows:

1. Push the P position switch on the shift lever to place the vehicle in the P (Park) position.
2. Push the power switch to the OFF position. The power switch position indicator Ⓐ will not illuminate.
3. Open the door. The power switch will change to the LOCK position.

The shift lever can be moved from the P (Park) position if the power switch is in the READY position and the brake pedal is depressed.

POWER SWITCH POSITIONS

LOCK (Normal parking position)

The power switch can only be locked in this position.

The power switch will be unlocked when it is pushed to the ACC position while the driver is carrying the Intelligent Key.

When the power switch is placed in the LOCK position and the brake pedal is depressed, the transmission selects automatically the P (Park) position.

ACC (Accessories)

This position activates electrical accessories, such as the radio, when the electric vehicle system is OFF.

ON

This position turns on the electric vehicle system and electrical accessories.

READY (Normal operating position)

This position turns on the electric vehicle system, electrical accessories and the vehicle can be driven.

OFF

The electric vehicle system is turned off without locking the steering wheel.

⚠ CAUTION

Do not leave the vehicle with the power switch in the ACC position for an extended period of time. This can discharge the 12-volt battery.

NOTE:

If the power switch is pushed quickly or is pushed twice quickly, the switch may not function even if a click sound is heard. Push the switch again more slowly.

DAYTIME LIGHT SYSTEM (where fitted)

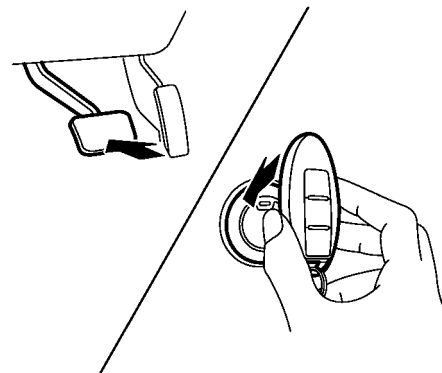
Even if the headlight switch and the fog light switch are in the off position, the daytime lights will come on after the power switch is in the ON or READY to drive position. The daytime light bulbs are located in the front fog light units.

EMERGENCY ELECTRIC VEHICLE SHUT OFF

To shut off the electric vehicle in an emergency situation while driving, perform the following procedure.

- Rapidly push the power switch 3 consecutive times,
or,
- Push and hold the power switch for more than 2 seconds.

INTELLIGENT KEY BATTERY DISCHARGE



If the Intelligent Key battery is discharged, or environmental conditions interfere with the Intelligent Key operation, start the electric vehicle system in the READY to drive mode according to the following procedure:

1. Push the P (Park) position switch on the shift lever.
2. Firmly apply the footbrake.
3. Touch the power switch with the Intelligent Key as illustrated. A chime will sound when the vehicle has recognised the Intelligent Key.
4. Push the power switch while depressing the brake pedal within 10 seconds after the chime sounds. The power switch position changes to the READY to drive mode.

After step 3 is performed, if the power switch is pushed without depressing the brake pedal, the power switch position will change to ACC.

NOTE:

- When the power switch is pushed to the ACC or ON position or READY to drive mode by the above procedure, the Intelligent Key battery discharge indicator appears on the vehicle information display even if the Intelligent Key is inside the vehicle. This is not a malfunction. To

stop the warning indicator from blinking, touch the power switch with the Intelligent Key again.

- If the Intelligent Key system battery discharge indicator appears on the vehicle information display, replace the battery as soon as possible. See  "Intelligent Key battery replacement" in the "8. Maintenance and do-it-yourself" section.

BEFORE STARTING THE ELECTRIC VEHICLE SYSTEM

- Make sure that the area around the vehicle is free of obstacles.
- Check fluid levels such as coolant, brake fluid, and window washer fluid.
- Check that all windows and light lenses are clean.
- Visually inspect tyres for their appearance and condition. Also check tyres for proper inflation.
- Check that all doors are closed.
- Position the seat and adjust the head restraints.
- Adjust the inside and outside mirrors.
- Fasten your seat belt and ask all passengers to do likewise.
- Check the operation of the warning lights when the power switch is pushed to the ON position. (See  "Warning lights, indicator lights, and audible reminders" in the "2. Instruments and controls" section.)

STARTING THE ELECTRIC VEHICLE SYSTEM

1. Make sure the parking brake is applied.
2. Make sure that the shift lever is in the P (Park) position.

The electric vehicle is designed not to operate unless the shift lever is in the P (Park) or N (Neutral) position.

The Intelligent Key must be carried with you when operating the power switch and the vehicle.

3. Depress the brake pedal and push the power switch to place the electric vehicle system in the READY to drive position.

To place the vehicle in the READY to drive position immediately, push and release the power switch while depressing the brake pedal with the power switch in any position. The READY to drive indicator light  in the meter illuminates.

4. To stop the electric vehicle system, push the P (Park) position switch on the shift lever, and push the power switch to the OFF position.

DRIVING THE VEHICLE

ELECTRIC SHIFT CONTROL SYSTEM

This vehicle is electronically controlled to produce maximum available power and to provide smooth operation.

The recommended operating procedures for this vehicle are shown on the following pages.

Starting vehicle

1. After placing the vehicle in the READY to drive position, fully depress the footbrake pedal before moving the shift lever to the D (Drive) position.

The shift lever of this vehicle is designed so that the footbrake pedal must be depressed before shifting from the P (Park) position to any driving position while the power 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 power switch is placed in the LOCK, OFF or ACC position or if the key is removed.

2. Keep the footbrake pedal depressed, and move the shift lever to the D (Drive) position.

3. Release the parking brake, footbrake pedal, and then gradually start the vehicle in motion by depressing the accelerator pedal.

WARNING

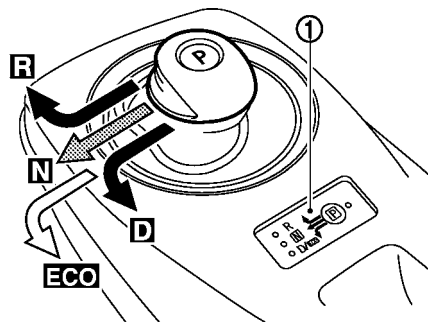
- Do not depress the accelerator pedal while shifting from P (Park) or N (Neutral) to R (Reverse) or D (Drive) position. Always depress the brake pedal until shifting is completed. Failure to do so could cause you to lose control, which could result in an accident.
- Never shift to either the P (Park) 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.

CAUTION

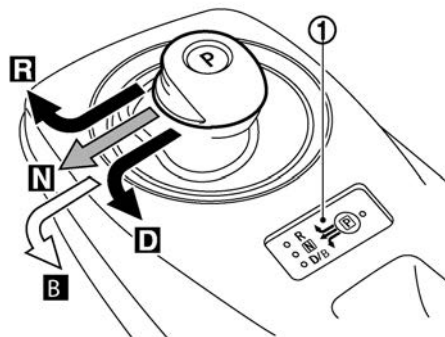
- To avoid possible damage to your vehicle; when stopping the vehicle on an uphill slope, do not hold the vehicle by depressing the accelerator pedal. The foot brake pedal should be depressed in this situation.

- Do not hang items on the shift lever. This may cause an accident due to a sudden start.
- Do not shift to the ECO position abruptly on slippery roads. This may cause a loss of control.
- 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.

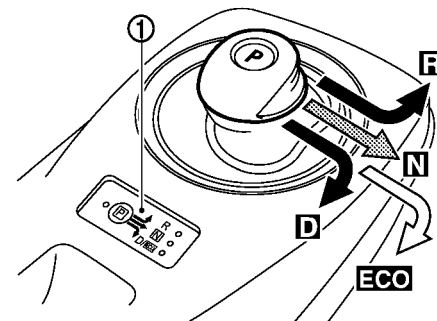
Shifting



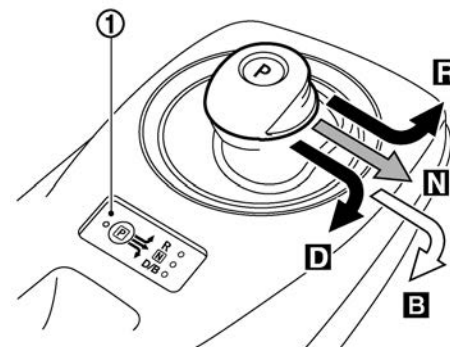
Models without EV (Electric Vehicle) navigation (LHD models)



Models with EV (Electric Vehicle) navigation (LHD models)



Models without EV (Electric Vehicle) navigation (RHD models)



Models with EV (Electric Vehicle) navigation (RHD models)

To move the shift lever,



Slide along the gate while the brake pedal is depressed.



After sliding, maintain it in the same position until the shift lever is placed in the N (Neutral) position.



When in the D (Drive) position, slide along the gate.

The shift lever always returns to the centre position when released.

NOTE:

- Confirm that the gear is in the desired shift position by checking the shift indicator ① located near the shift lever or the vehicle information display in the meter.
- To place the vehicle into the D (Drive) position from the ECO position (models without EV (Electric Vehicle) navigation system) or B position (models with EV (Electric Vehicle) navigation system), move the shift lever into the D (Drive) position.

After placing the vehicle in the READY to drive position, fully depress the brake pedal, and move the shift lever to any of the preferred shift positions.

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

If the power switch cannot be placed in the LOCK position, perform the following steps.

1. Apply the parking brake when the vehicle is stopped.
2. Place the power switch in the ON position while depressing the footbrake pedal.
3. Press the P position switch on the shift lever and place in the P (Park) position.
4. Place the power switch in the OFF position.

NOTE:

The vehicle automatically applies the P (Park) position when the power switch is in the OFF position.

WARNING

- The shift lever always returns to the centre position when released. When the power switch is placed in the READY to drive position, confirm that the vehicle is in the P (Park) position.

The indicator light next to the P on the shift indicator is illuminated and P is also displayed in the meter. If the vehicle is in the D (Drive) position or R (Reverse) position when the power switch is placed in the READY to drive position, this may cause a sudden start which could result in an accident.

- On a hilly road, do not allow the vehicle to roll backwards while in the D (Drive) position, ECO position (models without EV (Electric Vehicle) navigation system) or B position (models with EV (Electric Vehicle) navigation system), or allow the vehicle to roll forward while in the R (Reverse) position. This may cause an accident.

CAUTION

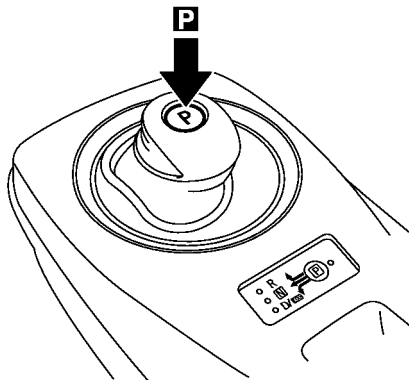
- Do not slide the shift lever while pushing the P position switch. This may damage the electric motor.
- When switching to the preferred position by operating the shift lever, check that the shift lever returns to the central position by releasing your hand

from the lever. Holding the shift lever in a mid-way position may damage the shift control system.

- Do not operate the shift lever while the accelerator pedal is depressed, except when switching to the ECO position (models without EV (Electric Vehicle) navigation system) or B position (models with EV (Electric Vehicle) navigation system). This may cause a sudden start which could result in an accident.
- The following operations are not allowed because the excessive force would influence the traction motor and this may result in damage to the vehicle:
 - Moving the shift lever to the R (Reverse) position when driving forward.
 - Moving the shift lever to the D (Drive), ECO position (models without EV (Electric Vehicle) navigation system) or B position (models with EV (Electric Vehicle) navigation system) when reversing.

If these operations are attempted, a chime sounds and the vehicle shifts to the N (Neutral) position.

P (Park):



Use this shift position when the vehicle is parked or when placing the vehicle in the READY to drive position. Make sure that the vehicle is completely stopped before selecting the P (Park) position. **In order to switch to the P (Park) position, press the P position switch as shown in the illustration above. Apply the parking brake. If the P position switch is pressed while the vehicle is in motion, a chime sounds and the current shift**

position is maintained. When parking on a hill, first depress the footbrake, apply the parking brake, and then press the P (Park) position switch.

NOTE:

- While the vehicle is stationary, if the shift position is placed in any position other than the P (Park) position when the power switch is set to OFF, it will automatically switch to the P (Park) position.
- If the P position switch is pressed while sliding the shift lever, the shift position will not switch to the P (Park) position. When pressing the P position switch be sure to first allow the shift lever to return to its centre position.

R (Reverse):

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

When the shift lever is in the R (Reverse) position, the rear view monitor will be activated. For details, see RearView monitor (Type A or B) or Around View Monitor (where fitted) in the Display screen, heater and air conditioner (climate control system) section of this manual.

N (Neutral):

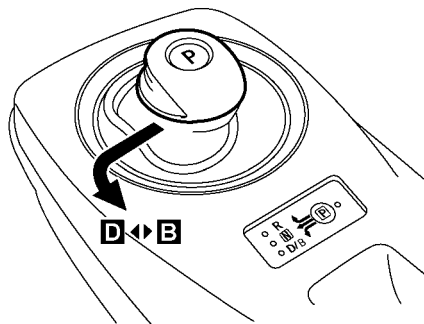
Neither forward nor reverse gear is engaged. The vehicle can be placed in the READY to drive position in this position.

Do not shift to the N (Neutral) position while driving. The regenerative braking system does not operate in the N (Neutral) position. However, you can stop the vehicle by depressing the footbrake pedal.

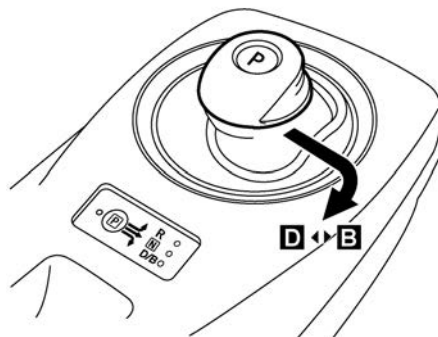
D (Drive):

Use this position for all normal forward driving.

B (models with EV (Electric Vehicle) navigation system):



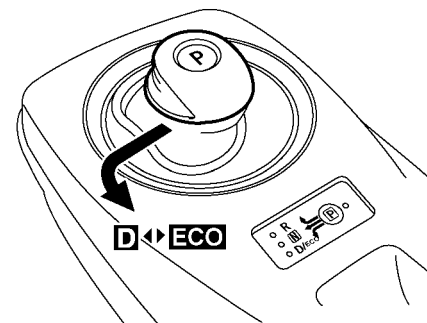
Left Hand Drive models



Right Hand Drive models

When the **B** position is used, more regenerative brake is applied when the accelerator pedal is released in comparison to the **D** (Drive) position. Less deceleration is provided by the regenerative brake system when the Li-ion battery is fully charged or the battery temperature is low.

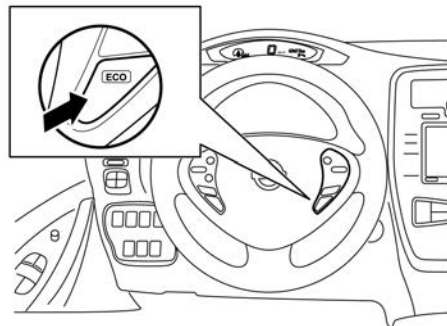
ECO:



Models without EV (Electric Vehicle) navigation (LHD models)



Models without EV (Electric Vehicle) navigation (RHD models)



Models with EV (Electric Vehicle) navigation

Use the ECO drive mode to extend the driving range.

In comparison to the D (Drive) position, the ECO drive mode consumes less power with the traction motor. As a result, the driving range of the vehicle may be extended.

The ECO position can only be selected when:

- shifting the shift lever from the D (Drive) position (For models without EV (Electric Vehicle) navigation system).
- the ECO button is pressed (For models with EV (Electric Vehicle) navigation system).

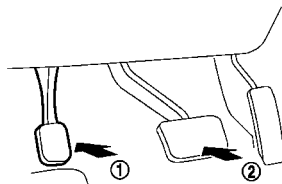
PARKING BRAKE

The parking brake can be applied or released by operating the parking brake pedal.

⚠ WARNING

- **Be sure the parking brake is released before driving.** Failure to do so could cause brake failure and lead to an accident.
- **Do not release the parking brake from outside the vehicle.**
- **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.
- **When leaving the vehicle, apply the parking brake and push the P (Park) position switch on the shift lever.**
- **Do not release the footbrake pedal until the parking brake is fully applied.**

Failure to do so may cause the vehicle to move suddenly, which could result in an accident.



To apply: Firmly depress the parking brake pedal ①.

To release:

1. Firmly apply the footbrake pedal ②.
2. Firmly depress the parking brake pedal ① to release the parking brake.
3. Before driving, make sure that the parking brake warning light (①) in the meter has turned off.

SPEED LIMITER (where fitted)

The speed limiter allows the driver to set a 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

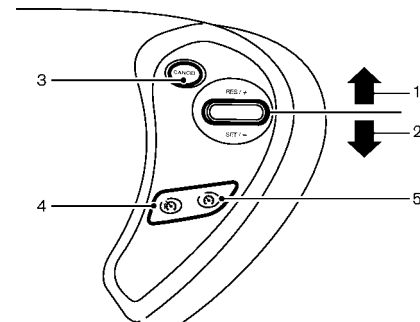
- Always observe posted speed limits. Do not set the speed above them.
- Always confirm the setting status of the speed limiter on the vehicle information display.

When the speed limiter is on, the cruise control system cannot be operated.

SPEED LIMITER OPERATIONS

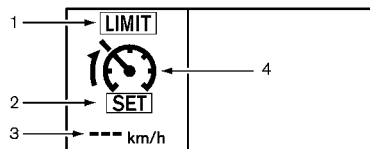
The speed limiter can be set to speeds between 30 km/h (20 MPH) and 150 km/h (95 MPH).

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



1. RES/+ switch
2. SET/- switch
3. CANCEL switch
4. Speed limiter MAIN switch (When this switch is pushed, the speed limiter enters the standby mode. If the cruise control is on, the system will turn off and the speed limiter enters the standby mode.)
5. Cruise control MAIN switch (For details, see  "Cruise control (where fitted)" later in this section.)

Speed limiter display and indicators



The speed limiter operating condition is shown on the vehicle information display.

Vehicle information display:

1. [LIMIT] indicator and speed limiter symbol
2. [SET] indicator
3. Set speed indicator
4. Speed limiter indicator

The speed unit can be switched between “km/h” and “MPH” (where fitted). (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 speed will not increase when depressing the accelerator pedal until the vehicle speed becomes lower than the set speed limit.

The speed limiter will not automatically brake the vehicle to the set speed limit.

Turning on speed limiter

Push the speed limiter MAIN switch. The speed limiter indicator and [LIMIT] indicator will illuminate. The set speed indicator shows “— —”.

Setting speed limit

1. Push the SET/– switch.
 - When the vehicle is stationary, the speed limit will be set at 30 km/h or 20 MPH.
 - While driving, the speed limit will be set at the current speed.

2. When the speed limit is set, the [SET] and the set speed indicators 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 10 km/h or 10 MPH.
- Push, then quickly release the RES/+ or SET/– switch. Each time you do this, the set speed will increase or decrease by approximately 1 km/h or 1 MPH.

Resuming preset speed limit

After cancellation of the speed limiter by pushing the CANCEL switch, push the RES/+ switch to resume speed limiter operation using the last set speed limit. The [SET] indicator illuminates, and the last set speed limit is displayed by the set speed indicator. If the vehicle is driven at a speed over the last set speed limit, the set speed indicator will blink.

Cancelling speed limiter

To cancel the speed limiter, push the CANCEL switch. The [SET] indicator will turn off (the set speed indicator will remain displayed).

If the accelerator pedal is fully depressed (beyond the resistance point), the speed limiter is temporarily suspended and the vehicle speed may be controlled above the set speed. The [SET] indicator will stay on the vehicle information display.

If the accelerator pedal returns to the resistance point and the vehicle speed drops below the set speed, the speed limiter will re-activate and limit the vehicle speed to set speed again.

When one of the following operations is performed, the speed limiter will be cancelled. The speed limiter indicator, and the [LIMIT] and [SET] indicators will turn off. These cancellation methods will erase the set speed limit memory.

- Push the speed limiter MAIN switch.
- Push the cruise control MAIN switch.

Speed limiter malfunction

If the speed limiter malfunctions, the [SET] indicator and speed limiter indicator light will blink. Turn the speed limiter MAIN switch off and have the system checked by a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

CRUISE CONTROL (where fitted)

WARNING

- **Always observe the posted speed limits and do not set the speed above 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 with variable speed
 - When driving in windy areas
 - When driving on winding or hilly roads
 - When driving on slippery (rain, snow, ice, etc.) roads

PRECAUTIONS ON CRUISE CONTROL

- If the cruise control system malfunctions, it will cancel automatically. The [SET] indicator on the vehicle information display will blink to warn the driver.

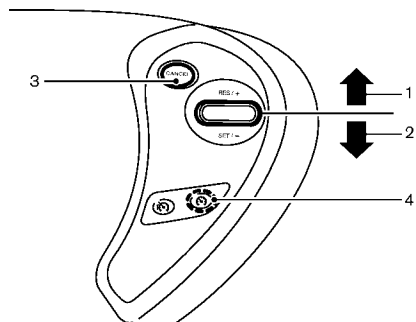
- If the [SET] indicator blinks, turn off the cruise control MAIN switch and have the system checked by a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.
- The [SET] indicator may blink when the cruise control MAIN switch is turned on while pushing the RES/+, SET/- or CANCEL switch. To properly set the cruise control system, use the following procedures.
- Even If the ECO position is turned on, the driving range cannot be extended while operating the cruise control.

Cruise control operations

The cruise control allows driving at speeds above 40 km/h (25 MPH) without keeping your foot on the accelerator pedal.

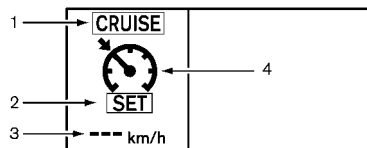
The cruise control will automatically be cancelled if the vehicle slows down more than approximately 13 km/h (8 MPH) below the set speed.

Moving the shift lever to the N (Neutral) position will cancel the cruise control and the [SET] indicator will turn off.



1. RES/+ switch
2. SET/- switch
3. CANCEL switch
4. Cruise control MAIN switch

Cruise control display and indicators



The cruise control operating condition is shown on the vehicle information display.

Vehicle information display:

1. CRUISE indicator and Cruise control symbol
2. SET indicator
3. Set speed indicator
4. Cruise control indicator

The speed unit can be switched between “km/h” and “MPH” (where fitted). (See “Vehicle information display” in the “2. Instruments and controls” section.)

Turning on cruise control

Push the cruise control MAIN switch. The [CRUISE] indicator and cruise control indicator illuminate on the vehicle information display.

Setting the cruising speed

1. Accelerate to the desired speed.
2. Push the <SET/-> switch and release it.
3. The [SET] and set speed indicators will illuminate on the vehicle information display.
4. Take your foot off the accelerator pedal.

The vehicle will maintain the set speed.

Passing another vehicle:

Depress the accelerator pedal to accelerate. After releasing the accelerator pedal, the vehicle will return to the previously set speed.

The vehicle may not maintain the set speed when going up or down steep hills. In such cases, drive without cruise control.

Resetting to a lower speed:

Use one of the following methods to reset to a lower speed.

- Lightly tap the footbrake pedal. When the vehicle reaches the desired speed, push and release the <SET/-> switch.
- Push and hold the <SET/-> switch. When the vehicle reaches the desired speed, release the <SET/-> switch.
- Quickly push and release the <SET/-> switch. This will reduce the vehicle speed by about 1 km/h or 1 MPH.

Resetting to a higher speed:

Use one of the following methods to reset to a higher speed.

- Depress the accelerator pedal. When the vehicle reaches the desired speed, push and release the <SET/-> switch.
- Push and hold the <RES/+> switch. When the vehicle reaches the desired speed, release the <RES/+> switch.
- Quickly push and release the <RES/+> switch. This will increase the vehicle speed by about 1 km/h (or 1 MPH).

Resuming at preset speed:

Push and release the <RES/+> switch.

The vehicle will resume the last set cruising speed when the vehicle speed is over 40 km/h (25 MPH).

Cancelling the cruising speed

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

- Push the <CANCEL> switch. The [SET] indicator will turn off.
- Tap the footbrake pedal. The [SET] indicator will turn off.
- Push the cruise control <MAIN> switch. Both the [SET] and [CRUISE] indicators and cruise indicator light will turn off.

INCREASING POWER ECONOMY

The actual driving range will vary depending upon:

- speed,
- vehicle load,
- electrical load from vehicle accessories,
- traffic and road conditions,

NISSAN recommends the following driving habits to maximise vehicle range:

Before driving:

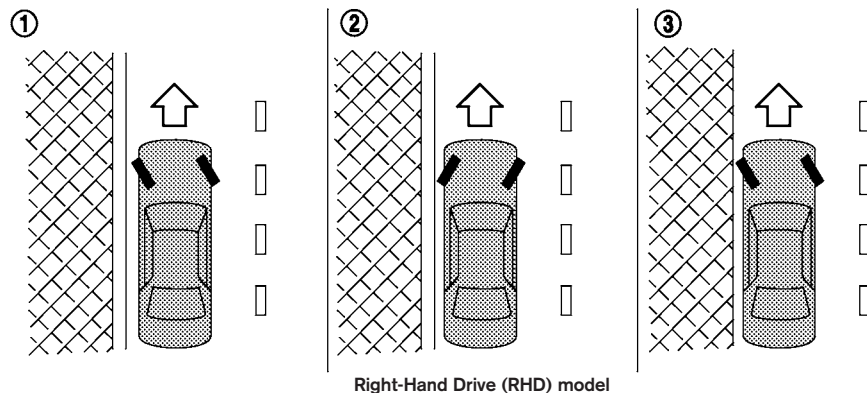
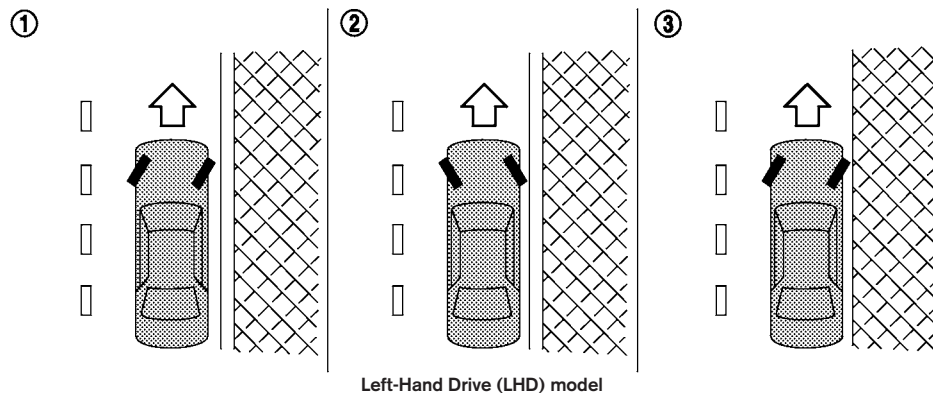
- Follow recommended periodic maintenance.
- Keep tyres inflated to the correct pressure.
- Keep wheels in correct alignment.
- Pre-heat or pre-cool the interior cabin while the vehicle is charging.
- Remove unnecessary cargo from the vehicle.

While driving:

- Drive in ECO mode or B mode (where fitted)
 - In the ECO position more regenerative braking is applied when the accelerator pedal is released in comparison to the

- D (Drive) position and more power is provided to the Li-ion battery.
 - The ECO position helps reduce power consumption by reducing acceleration when compared to the same accelerator pedal position in the D (Drive) position.
- Drive at a constant speed. Maintain cruising speeds with constant accelerator pedal positions or use the cruise control system when appropriate.
- Accelerate slowly and smoothly. Gently depress and release the accelerator pedal for acceleration and deceleration.
- Drive at moderate speeds on the motorway.
- Avoid frequent stopping and braking. Maintain a safe distance behind other vehicles.
- Turn off the air conditioner/heater system when it is not necessary.
- Select a moderate temperature setting for heating or cooling to help reduce power consumption.
- Use only the fan to help reduce power consumption.
- In cold weather, use the heated seats (where fitted) and heated steering wheel (where fitted) as a substitute for air conditioner to help reduce power consumption.
- Use the air conditioner/heater system and close windows to reduce drag when cruising at motorway speed.
- Release the accelerator pedal to slow down and do not apply the brakes when traffic and road conditions allow.
 - This vehicle is equipped with a regenerative brake system. The primary purpose of regenerative brake system is to provide some power to recharge the Li-ion battery and extend driving range. A secondary benefit is “engine braking” that operates based on Li-ion battery conditions. In the D (Drive) position, when the accelerator pedal is released, the regenerative brake system provides some deceleration and some power to the Li-ion battery.

PARKING



⚠ WARNING

- Do not stop or park the vehicle over flammable materials such as dry grass, waste paper or rags. They may ignite and cause a fire.
- Never leave the vehicle in the READY to drive mode while the vehicle is unattended.
- 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.
- Safe parking procedures require that both the parking brake be applied and the vehicle is placed in the park position. Failure to do so could cause the vehicle to move unexpectedly or roll away and result in an accident.

ELECTRIC POWER STEERING SYSTEM

WARNING

- If the **READY to drive indicator light is OFF while driving, the power assist for the steering will not work. Steering will require much more effort.**
- When the electric power steering warning light illuminates while the **READY to drive indicator light ON, the power assist for the steering will cease operation. You will still have control of the vehicle but steering will require much more effort.**

The electric power steering system is designed to provide power assistance while driving to operate the steering wheel with less effort.

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 help protect it from getting damaged. While the power assistance is reduced, steering wheel operation will become harder. When the temperature of the electric power steering system goes down, the level of power assistance provided by the system will return

1. Depress the footbrake pedal to stop the vehicle.
2. Firmly apply the parking brake.
3. Press the P position switch on the shift lever.
4. When parked on a sloping driveway, turn the wheels so the vehicle will not roll into the street in case it moves, as illustrated above.
 - **HEADED DOWNHILL WITH KERB:** ①
Turn the wheels into the kerb, and allow the vehicle to move forward until the kerb side wheel gently touches the kerb.
 - **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.
 - **HEADED UPHILL OR DOWNHILL, NO KERB:** ③
Turn the wheels toward the side of the road so the vehicle will move away from the centre of the road if it moves.
5. Place the power switch in the OFF position.

to normal. Avoid repeating such steering wheel operations that could cause the electric power steering system to overheat.

You may hear a noise when the steering wheel is operated quickly. This is normal and does not indicate malfunction.

If the electric power steering warning light **PS** illuminates while the **READY to drive indicator light is ON**, 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 knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer. (See  “Electric power steering warning light” in the “2. Instruments and controls” section.)

When the electric power steering warning light illuminates with the **READY to drive indicator light is ON**, the power assist for the steering will cease operation. You will still have control of the vehicle. However, steering will require much more effort, especially in sharp turns and at low speeds.

BRAKE SYSTEM

BRAKING PRECAUTIONS

This vehicle is equipped with two braking systems:

1. Hydraulic brake system.
2. Regenerative brake system.

Hydraulic brake system

The hydraulic brake system is similar to the brakes used on conventional vehicles.

The brake system has two separate hydraulic circuits. If one circuit malfunctions, you will still have braking at two wheels.

Regenerative brake system

The primary purpose of the regenerative brake system is to provide some power to help recharge the Li-ion battery and to extend driving range. A secondary benefit is “engine braking” that occurs when the regenerative brake is activated. The level of regenerative braking varies with the state of charge of the Li-ion battery.

In the D range, when the accelerator is released, the regenerative brake system provides some deceleration and generates power for the Li-ion battery. Power is also generated when the brake pedal is applied.

When placing the shift lever in the ECO or B (where fitted) position and take your foot off the accelerator pedal, the level of regenerative braking applied is increased compared to driving in the D (Drive) position. However, during high-speed driving you may feel that regenerative brake provides less deceleration than the engine braking in an ordinary vehicle would do. This is normal.

Less deceleration is provided by the regenerative brake system when the Li-ion battery is fully charged. Regenerative braking is automatically reduced when the Li-ion battery is fully charged to prevent the Li-ion battery from becoming overcharged. Regenerative braking is also automatically reduced when the battery temperature is high/low (indicated by the red/blue zones on the battery temperature gauge) to prevent Li-ion battery damage.

The brake pedal should be used to slow or stop the vehicle depending on traffic or road conditions. The vehicle brakes are not affected by regenerative brake system operation.

NOTE:

- **When applying the regenerative brakes, you may hear a sound coming from the**

regenerative brake system. This is a normal operating characteristic of an electric vehicle.

- **If the power switch position is in a position other than ON or READY to drive, you can stop the vehicle by depressing the brake pedal. However, greater foot pressure on the brake pedal will be required to stop the vehicle, and the stopping distance will be longer since the braking will not be power assisted.**
- **When depressing the brake pedal, the braking pedal feel will not be smooth or may change when the regenerative brake system activates. However, the electronically controlled brake system is operating normally and this does not indicate a malfunction.**

Using brakes

Avoid resting your foot on the brake pedal while driving. This will cause overheating of the brakes, wear out the brake pads and shoes faster and will reduce driving range.

To help reduce brake wear and to prevent the brakes from overheating, reduce speed and select the ECO or B (where fitted) position before driving down a slope or long grade.

Overheated brakes may reduce braking performance and could result in loss of vehicle control.

WARNING

- While driving on a slippery surface, be careful when braking or accelerating. Abrupt braking or accelerating could cause the wheels to skid, which could result in an accident.
- If the brake pedal is depressed with the electric vehicle system OFF, you may feel an increased brake pedal effort and a decreased pedal stroke. If the BRAKE warning light does not illuminate and the brake pedal feels like it has returned to its normal state after the electric vehicle system is started, this indicates that there is no malfunction and the vehicle can be operated normally.

Wet brakes

When the vehicle is washed or driven through water, the brakes may get wet. As a result, the 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 tapping the brake pedal to heat up the brakes. Do this until the brake performance returns to normal. Avoid driving the vehicle at high speeds until the brakes have dried.

PARKING BRAKE BREAK-IN

Break in the parking brake shoes whenever the holding effect of the parking brake is weakened or whenever the parking brake shoes and/or drums are replaced, in order to maintain optimum braking performance.

This procedure is described in the vehicle Service Manual, and it can be performed by a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

ANTI-LOCK BRAKING SYSTEM (ABS)

WARNING

- The Anti-lock Braking System (ABS) is a sophisticated system, 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.
 - For detailed information, see  “Wheels and tyres” in the “8. Maintenance and do-it-yourself” section.

The Anti-lock Braking System (ABS) controls the brakes so the wheels do not lock during hard braking or when braking on slippery surfaces. The system detects the rotation speed of 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 the system

Depress the brake pedal and hold it down. Depress the brake pedal with firm steady pressure, but do not pump the brakes. The ABS will operate to prevent the wheels from locking up. Steer the vehicle to avoid obstacles.

WARNING

Do not pump the brake pedal. Doing so may result in increased stopping distances.

Self-test feature

The ABS includes electronic sensors, electric pumps, hydraulic solenoids and a computer. The computer has a built-in diagnostic feature that tests the system each time you push the power switch in the READY to drive position 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 still 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 knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

Normal operation

The ABS operates at speeds above 5 to 10 km/h (3 to 6 MPH). The speeds will vary according to road conditions.

When the ABS senses that one or more wheels are close to locking up, the actuator rapidly applies and releases hydraulic pressure. This action is similar to pumping the brakes very quickly. You may feel a pulsation in the brake pedal and hear a noise from 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.

ELECTRONIC STABILITY PROGRAMME (ESP) SYSTEM

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 a slipping driven wheel so power is transferred to the other driven wheel on the same axle that is not slipping.
- Controls brake pressure and traction motor output to reduce drive wheel slip based on vehicle speed (traction control function).
- Controls brake pressure at individual wheels and traction motor 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  warning in the instrument panel flashes. When the warning flashes, note the following items.

- The road may be slippery or the system may determine some action is required to help keep 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 style to the road conditions.

For details, see  “Electronic Stability Programme (ESP) warning light” in the “2. Instruments and controls” section and  “Electronic Stability Programme (ESP) off indicator light” in the “2. Instruments and controls” section.

If a malfunction occurs in the system, the  warning illuminates in the lower display. The ESP system automatically turns off when this warning light is illuminated.

The ESP OFF switch is used to turn off the ESP system. The ESP off indicator  illuminates to indicate that the ESP system is off. When the ESP switch is used to turn off the system, the ESP system still operates to pre-

vent one drive wheel from slipping by transferring power to a drive wheel that is not slipping. The  warning flashes if this occurs. All other ESP functions are off and the  warning will not flash. The ESP System is automatically reset to on when the power switch is placed in the OFF position and afterwards returned to the ON position.

The computer has a built-in diagnostic feature that tests the system each time you place the power switch in the READY to drive position 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.

WARNING

- The ESP system is designed to help the driver maintain the driving stability but does not prevent accidents caused 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 parts for your vehicle or are extremely deteriorated the ESP system may not operate properly. This could adversely affect vehicle handling performance, and the  warning may flash or  warning may illuminate.
- The ESP system was designed by NISSAN to work with brake related parts recommended by NISSAN. Accordingly, to ensure proper operation of the ESP system, NISSAN recommends the use of those brake related parts that are recommended by NISSAN. In addition, such parts should be replaced if extremely deteriorated to ensure proper operation of the ESP system.
- If traction motor control related parts are not NISSAN recommended or are extremely deteriorated, the  warning may illuminate.

- When driving on extremely inclined surfaces such as higher banked corners, the ESP system may not operate properly and the  warning 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  warning may illuminate. This is not a malfunction. Restart the electric vehicle system after driving onto a stable surface.
- The ESP system was designed by NISSAN to work with wheels or tyres recommended by NISSAN. Accordingly, to ensure proper operation of the ESP system, NISSAN recommends the use of wheels or tyres that are recommended by NISSAN.
- The ESP system is not a substitute for winter tyres or snow chains on a snow covered road.

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 earlier 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.

CAUTION

To prevent damage to the Li-ion battery:

- Do not store the vehicle in temperatures below -25°C (-13°F) for over seven days.
- If the outside temperature is -25°C (-13°F) or less, the Li-ion battery may freeze and it cannot be charged or provide power to run the vehicle. Move the vehicle to a warm location.

NOTE:

- Connect the charger to the vehicle and place the power switch in the OFF position when parking the vehicle where temperatures may go below -17°C (-1°F). This provides external power to the Li-ion battery warmer (where fitted) when it operates and does not discharge the Li-ion battery.
- Vehicle driving range is reduced if the Li-ion battery warmer (where fitted) operates (Li-ion battery temperature approximately -17°C (-1°F) or colder) while

driving the vehicle. You may need to charge the Li-ion battery sooner than under warmer ambient temperatures.

- The Li-ion battery requires more time to charge when the Li-ion battery warmer (where fitted) operates.
- The predicted charging time displayed on the meter and navigation system increases when the Li-ion battery warmer (where fitted) operates.
- The vehicle driving range may be substantially reduced in extremely cold conditions (for example under -17°C (-1°F)).
- Using the climate control system to heat the cabin when the outside temperature is below 0°C (32°F) uses more electricity and affects vehicle driving range more than when using the heater when the temperature is above 0°C (32°F).
- Climate control performance is reduced when using the Climate Ctrl. Timer or Remote Climate Control while the Li-ion battery warmer (where fitted) operates.
- The Li-ion battery may not charge to the expected level using the charging timer

when a [Start Time] and [End Time] are set while the Li-ion battery warmer (where fitted) operates.

- **Set only the charging timer [End Time] when charging in cold weather. The vehicle automatically determines when to start charging, to fully charge the Li-ion battery, whether or not the Li-ion battery warmer (where fitted) operates.**

12-VOLT BATTERY

If the 12-volt battery is not fully charged during extremely cold weather conditions, the 12-volt battery fluid may freeze and damage the 12-volt battery. To maintain maximum efficiency, the 12-volt battery should be checked regularly. For details, see  "12-volt Battery" in the "8. Maintenance and do-it-yourself" section.

COOLANT

If the vehicle is to be left outside without anti-freeze, drain the cooling system. Refill before operating the vehicle. For details, see  "Cooling system" in the "8. Maintenance and do-it-yourself" section.

TYRE EQUIPMENT

1. If snow tyres are installed on the front/rear wheels of your vehicle, they should be of the same size, loading range, construction and type (bias, bias-belted or radial) as the rear/front tyres.
2. If the vehicle is to be operated in severe winter conditions, snow tyres should be installed on all four wheels.
3. For additional traction on icy roads, studded tyres may be used. However, some countries, provinces and states prohibit their use. Check applicable laws before installing studded tyres.

Skid and traction capabilities of studded snow tyres, on wet or dry surfaces, may be poorer than that of non-studded snow tyres.

4. Snow chains may be used if desired. Make sure they are the proper size for the tyres on your vehicle and are installed according to the snow chain manufacturer's instructions. Use chain tensioners when recommended by the snow chain manufacturer to ensure a tight fit. Loose end links of the snow 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 to carry the following items in the vehicle during winter:

- A scraper and stiff-bristled brush to remove ice and snow from the windows.
- A sturdy, flat board to be placed under the jack to give it firm support.
- A shovel to dig the vehicle out of snow-drifts.

PARKING BRAKE

When parking in the area where the outside temperature is below 0°C (32°F), do not apply the parking brake to prevent it from freezing. For safe parking:

- Push the P position switch on the shift lever for the P (Park) position.
- Securely block the wheels.

CORROSION PROTECTION

Chemicals used for road surface deicing are extremely corrosive and will accelerate corrosion and the deterioration of underbody components such as the 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.

For additional protection against rust and corrosion, which may be required in some areas, consult a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

FREEING A FROZEN CHARGE PORT LID

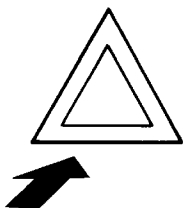
When the charge port is frozen, melt the ice using a hair dryer.

NOTE

6 In case of emergency

Hazard warning flasher switch	6-2	Jump starting	6-15
Roadside assistance programme	6-2	If the Li-ion battery becomes completely	
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HAZARD WARNING FLASHER SWITCH



Push the switch on to warn other drivers when you must stop or park under emergency conditions. All turn signal lights will flash.

WARNING

- If stopping for an emergency, be sure to move the vehicle well off the road.
- Do not use the hazard warning flashers while moving on the highway unless unusual circumstances force you to drive so slowly that your vehicle might become a hazard to other traffic.

- Turn signalling does not work when the hazard warning flasher lights are on.

The flasher can be actuated with the power switch in any position.

Local legislation may prohibit the use of the hazard warning flasher switch while driving.

ROADSIDE ASSISTANCE PROGRAMME

In the event of a roadside emergency, Roadside Assistance Service is available to you. Please refer to the separately provided Warranty Information and Maintenance booklet.

FLAT TYRE

STOPPING VEHICLE

WARNING

- Make sure the parking brake is securely applied.
- Make sure the shift lever is placed in the P (Park) position.
- Never change or repair tyres when the vehicle is on a slope, ice or slippery areas. This is hazardous.
- Never change or repair tyres if on-coming traffic is close to your vehicle. Wait for professional road assistance.

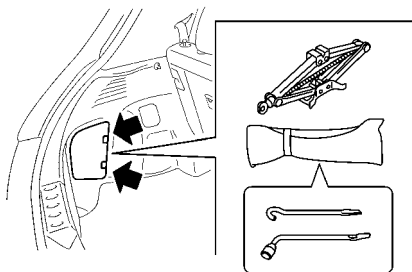
1. Safely move the vehicle off the road and away from traffic.
2. Turn on the hazard warning flashers.
3. Park on a level surface and apply the parking brake.
4. Push the P position switch on the shift lever for the P (Park) position.
5. Turn off the electric vehicle system.
6. Open the bonnet:
 - To warn other traffic.

- To signal professional road assistance personnel that you need assistance.

7. Have all passengers exit the vehicle and stand in a safe place, away from traffic and clear of the vehicle.

SPARE TYRE (where fitted)

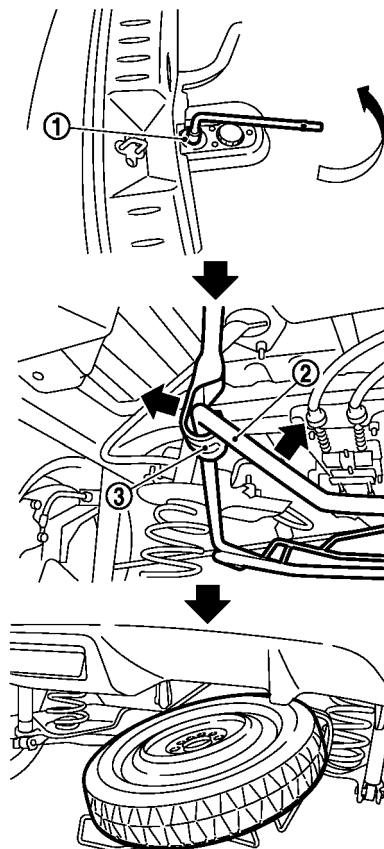
Preparing tools



Remove the jack and tools from the boot as illustrated.

Changing flat tyre

The temporary use spare tyre is located under the rear of the vehicle.



To remove the spare tyre, perform the following procedure:

1. Open the tailgate
2. Remove the floor board.
3. Loosen the bolt ① anticlockwise approximately 25 turns using the wheel nut wrench to lower the spare tyre cradle.
4. Stop turning the bolt at the position where the cradle ② can be removed from the hook ③.

NOTE:

Do not loosen the bolt excessively, otherwise the cradle may fall suddenly.

5. Hold the cradle and remove it from the hook by pushing the cradle upwards.
6. Lower the cradle slowly to the ground, and then take out the spare wheel.
7. Restore the cradle to its original position.

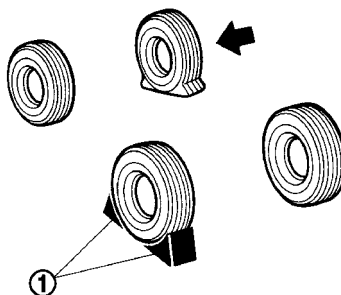
Spare tyre basket bolt tightening torque:
64 to 86 N·m (6.6 to 8.7 kg·m, 48 to 63 ft·lb)

⚠ WARNING

Properly stow the spare tyre cradle after use. Driving without properly stowing the spare tyre cradle can cause

contact with the road and cause sparks or scatter rocks/road debris resulting in vehicle damage or serious personal injury.

Blocking wheels



Place suitable blocks ① at both the front and back of the wheel diagonally opposite the flat tyre to prevent the vehicle from moving when it is jacked up.

⚠ WARNING

Be sure to block the wheel as the vehicle may move, resulting in personal injury.

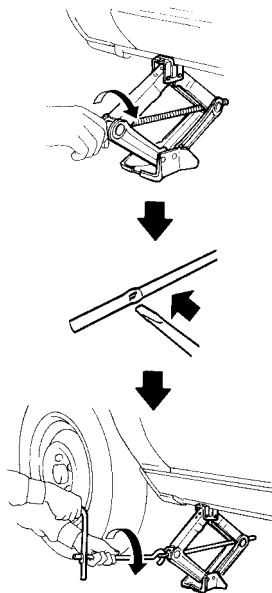
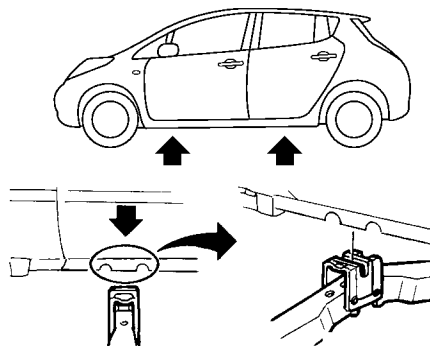
Removing or installing the wheel

⚠ WARNING

- Make sure to read and follow the instructions in this section.
- Make sure to read the caution label attached to the jack body before use.
- **DO NOT GET UNDER A VEHICLE THAT IS SUPPORTED BY A JACK.**
- Never use a jack which is not provided with your vehicle.
- Use only the jack provided with your vehicle to lift the vehicle. Do not use the jack provided with your vehicle on other vehicles.
- Never use any other part of the vehicle for jack support. Use the correct jack-up points.
- Never jack up the vehicle more than necessary.
- Never use blocks on or under the jack.
- Never place the power switch in the READY to drive position while the ve-

hicle is on the jack. The vehicle may move suddenly, and this may cause an accident.

- Do not allow passengers to stay in the vehicle while it is on the jack.
- Remove all loads before lifting the vehicle with the jack.

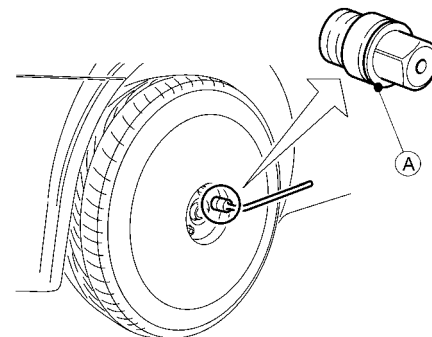


1. Place the jack directly under the jack-up point as illustrated so the top of the jack contacts the vehicle at the jack-up point.

The jack should be used on level firm ground.

2. Align the jack head between the two notches located at the jack-up point either the front or the rear section.
3. Fit the groove of the jack head between the notches as illustrated.
4. Loosen each wheel nut one or two turns by turning it anticlockwise with the wheel nut wrench.

Do not remove the wheel nuts until the tyre is off the ground.



Models with wheel lock nuts (where fitted):
If the wheel is equipped with a wheel lock nut, insert the wheel lock key (A) and loosen

it as previously described. For wheel lock key details, see  "Wheel lock nuts (where fitted)" later in this section.

5. Assemble the rod and wheel nut wrench to form a handle. Attach it to the jack.
6. To lift the vehicle, securely hold and turn the handle. Carefully raise the vehicle until the tyre clears the ground.

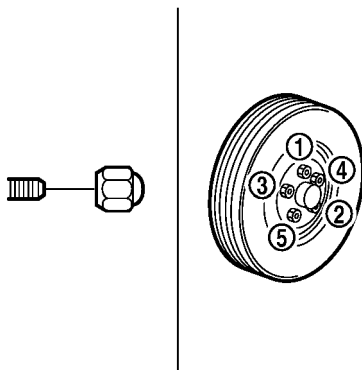
Removing tyre

1. Remove the wheel nuts.
2. Remove the flat tyre.

CAUTION

The wheel is heavy. Be sure that your feet are clear of the wheel and use gloves as necessary to avoid injury.

Installing spare tyre



WARNING

- Never use wheel nuts which are not provided with your vehicle. Incorrect wheel nuts or improperly tightened wheel nuts can cause the wheel to become loose or come off. This could cause an accident.
- Do not use oil or grease on the wheel studs or nuts. This could cause the 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 fit the spare tyre and tighten the wheel nuts with your fingers. Check that all the wheel nuts contact the wheel surface horizontally.

Models with wheel lock nut (where fitted):

Insert the wheel lock key into the wheel lock nut and tighten into the wheel finger tight.

3. Tighten the wheel nuts alternately and evenly in the sequence illustrated ((1) to (5)), more than 2 times with the wheel nut wrench, until they are tight.

CAUTION

Do not use a power tool to install the wheel lock nuts (where fitted) with the wheel lock key. Use the wheel nut wrench instead.

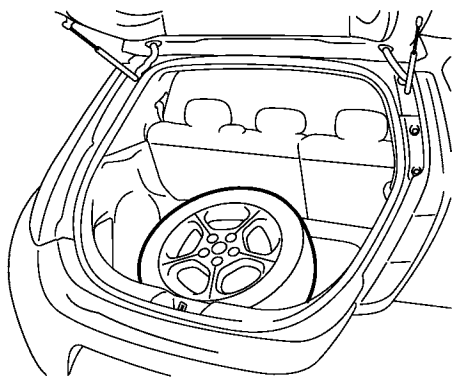
4. Lower the vehicle slowly until the tyre touches the ground.
5. Tighten the wheel nuts with the wheel nut wrench securely, in the sequence as illustrated.
6. Lower the vehicle completely.

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.

Stowing flat tyre and tools



Securely store the jack and tools in their respective storage areas and the damaged

wheel in the boot, as illustrated. The spare tyre cradle cannot be used to store the conventional tyre.

Return the spare tyre cradle to its original stored position in the reverse order of removal. For details, see “Changing flat tyre” earlier in this section.

Spare tyre cradle bolt tightening torque: 64 to 86 N·m (6.6 to 8.7 kg·m, 48 to 63 ft-lb)

WARNING

- Always make sure that the spare tyre and jacking equipment are properly secured after use. Such items can become dangerous projectiles in an accident or sudden stop.
- Make sure that the spare tyre cradle is properly secured in its original stored position after removing the spare tyre.
- The spare tyre and small size spare tyre are designed for emergency use. See specific instructions under the heading “Wheels and tyres” in the “8. Maintenance and do-it-yourself” section.

Wheel lock nuts (where fitted)

In order to prevent theft, the specially designed wheel lock nut is installed to each wheel. The wheel lock nut cannot be removed with the commonly used tools. When removing the wheel lock nuts, use the wheel lock key provided with your vehicle.

Removing the wheel lock nut:

1. Insert the wheel lock key to the wheel lock nut.
2. To remove the wheel lock nut, turn the wheel lock key anticlockwise using the wheel nut wrench.

CAUTION

- Do not use a power tool to remove the wheel lock nuts.
- When installing the wheel, tighten the wheel lock nuts to the same tightening torque as the normal wheel nuts, as described earlier.

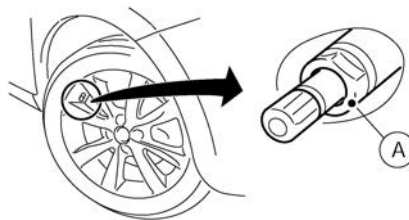
NOTE:

- The wheel lock nut has an individual code. A wheel lock key with other than the individual code cannot remove the wheel lock nut. If you lose the wheel

lock key, contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer for a duplicate with the original wheel lock key code.

- Record the key number as shown on the key code card on the “Security information” page at the end of this manual and keep it in a safe place, not in the vehicle.
- When you ask for a service at a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer, make sure to keep the lock key in the vehicle. Otherwise, wheels cannot be removed and the service cannot be performed.

TYRE PRESSURE MONITORING SYSTEM (TPMS) (where fitted)



(A) Tyre valve with sensor

⚠ WARNING

- If the TPMS indicator light illuminates while driving:
 - avoid sudden steering manoeuvres
 - avoid abrupt braking
 - reduce vehicle speed
 - pull off the road to a safe location
 - 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 which 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 TPMS indicator light “OFF”. In case of a flat tyre, replace it with a spare tyre as soon as possible.
- When a spare tyre is mounted or a wheel is replaced, the TPMS will not function and the TPMS indicator light will flash for approximately 1 minute. The light will remain on after 1 minute. Be sure to follow all instructions for wheel replacement and make sure the TPMS system is mounted correctly.
- Replacing tyres with those not originally specified by NISSAN could affect the proper operation of the TPMS.
- The Genuine NISSAN Emergency Tyre Repair Sealant or equivalent can

be used for temporarily repairing a tyre. Do not inject any other tyre liquid or aerosol tyre sealant into the tyres, as this may cause a malfunction of the tyre pressure sensors. (for models not equipped with the emergency tyre puncture repair kit)

- NISSAN recommends using only Genuine NISSAN Emergency Tyre Sealant provided with your vehicle. Other tyre sealants may damage the valve stem seal which can cause the tyre to lose air pressure. Visit a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer as soon as possible after using tyre repair sealant (for models equipped with the emergency tyre puncture repair kit).

CAUTION

- If the vehicle is driven with a flat tyre, this may damage the TPMS sensor for that tyre.
- 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 TPMS indicator 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.
- When inflating the tyres and checking the tyre pressure, never bend the valves.
- Special aluminium valves are fitted to mount the TPMS sensors on the wheels. The TPMS sensor is fixed at the wheels by a nut. The nut needs to be correctly fitted at a torque setting of 7.5 ± 0.5 Nm. If the TPMS sensor is

tightened exceeding the limit, there is a possibility the sensor grommet will be damaged. If the sensor is tightened under the limit, there is a possibility to cause an air leak.

- Use Genuine NISSAN valve caps that comply with the factory-fitted valve cap specifications.
- Do not use metal valve caps.
- Fit the valve caps properly. Without the valve caps the valve and tyre pressure monitor sensors could be damaged.
- Do not damage the valves and sensors when storing the wheels or fitting different tyres.
- Replace the sensor grommet during a tyre change. Once they have been removed, the sensor grommet cannot be reused and must be replaced. The TPMS sensors can be used again.

The Tyre Pressure Monitoring System (TPMS) monitors the tyre pressure of the four wheels except the spare tyre/wheel (where fitted). When the TPMS indicator light comes on together with the TPMS tyre location indicator light (in the vehicle information display), one or

more of the tyres is significantly under-inflated. If the vehicle is being driven with low tyre pressure, the TPMS will activate and TPMS indicator light together with the TPMS tyre location indicator light remains on. This system will deactivate only when tyre pressure is corrected and the vehicle is driven at speeds above 25 km/h (16 MPH).

For more details about the TPMS, see  "Precautions when starting and driving" in the "5. Starting and driving" section.

REPAIRING FLAT TYRE (Models with emergency tyre puncture repair kit — where fitted)

WARNING

- Immediately after using the Emergency Tyre Sealant to repair a minor tyre puncture, take your vehicle to a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer to inspect, and repair or replace the tyre. The Emergency Tyre Sealant cannot permanently seal a punctured tyre. Continuing operation of the vehicle without a permanent tyre repair can lead to a crash.

- Tyre sealants that do not match the quality of NISSAN Genuine Emergency Tyre Sealant may damage the valve stem seal which can cause the tyre to lose air pressure.

The emergency tyre puncture repair kit (Emergency Tyre Sealant) is supplied with the vehicle instead of a spare tyre. It can be used to temporarily repair minor tyre punctures.

After using the repair kit, see a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer as soon as possible for tyre inspection and repair/replacement.

In case of a flat tyre, follow the instructions as described below.

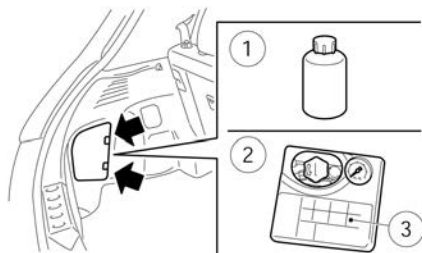
CAUTION

- To avoid the emergency tyre puncture kit being damaged during storage or use:
 - Only use the emergency tyre puncture repair kit on your vehicle. Do not use it on other vehicles.
 - Only use the kit to inflate the tyres of your vehicle and to check the vehicle's tyre pressure.

- Only plug the compressor into a 12-volt DC car power point.
- Keep the kit free of water and dirt.
- Do not disassemble or modify the kit.
- Do not drop the kit or allow hard impacts to the kit.

- Do not use the emergency tyre puncture repair kit under the following conditions. Contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer or professional road assistance.
 - When the sealant has passed its expiration date (shown on the label attached to the bottle).
 - When the cut or the puncture is approximately 6 mm (0.25 in) or more.
 - When the tyre sidewall is damaged.
 - When the vehicle has been driven with extremely low tyre pressure.
 - When the tyre has come off the inside or the outside of the wheel.
 - When the tyre wheel is damaged.
 - When two or more tyres are flat.

Getting emergency tyre puncture repair kit



Take out the emergency tyre puncture repair kit located aside of the boot area. The repair kit consists of the following items:

- ① Tyre sealant bottle
- ② Air compressor
- ③ Speed restriction sticker

Before using emergency tyre puncture repair kit

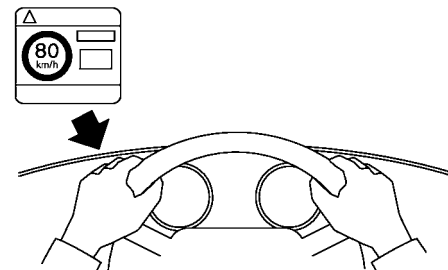
- If any foreign object (for example, a screw or nail) is embedded in the tyre, do not remove it.
- Check the expiration date of the sealant, shown on the label attached to the bottle. Never use a sealant which has passed its expiration date.

Repairing tyre

⚠ WARNING

Observe the following precautions when using the tyre repair compound.

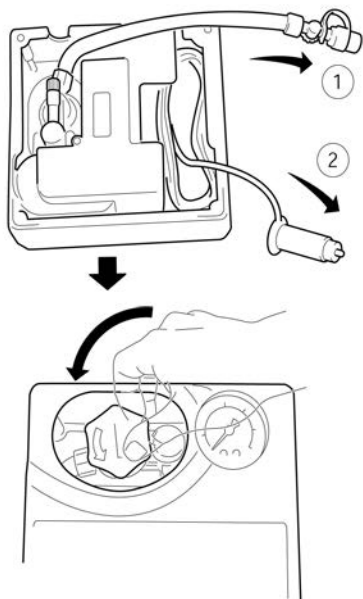
- **Swallowing the compound is dangerous. Immediately drink as much water as possible and seek prompt medical assistance.**
- **Rinse well with lots of water if the compound comes into contact with skin or eyes. If irritation persists, seek prompt medical attention.**
- **Keep the repair compound out of the reach of children.**



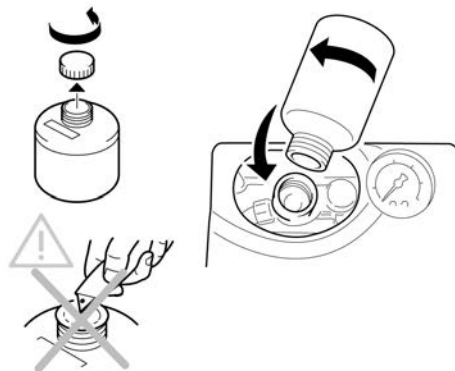
1. Remove the speed restriction sticker from the air compressor, then place it in a location where the driver can see it while driving.

⚠ CAUTION

Do not put the speed restriction label on the steering wheel pad, the speedometer or the warning light locations.



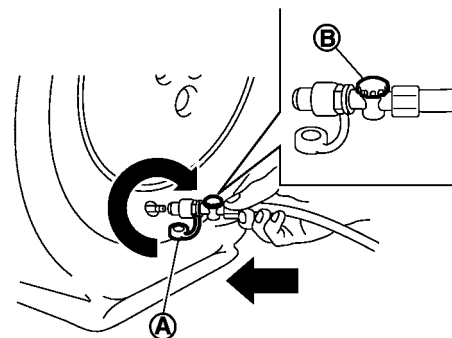
2. Take the hose ① and the power plug ② out of the air compressor. Remove the cap of the bottle holder from the air compressor.



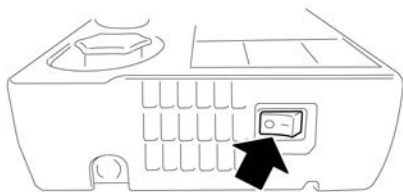
3. Remove the cap from the tyre sealant bottle, and screw the bottle clockwise onto the bottle holder of the air compressor.

NOTE:

Leave the bottle seal intact. Screwing the bottle onto the bottle holder will pierce the seal of the bottle.



4. Remove the cap from the tyre valve on the flat tyre.
5. Remove the protective cap ① of the hose and screw the hose securely onto the tyre valve. Make sure that the pressure release valve ② is securely tightened. Make sure that the air compressor switch is in the OFF (O) position, then insert its power plug into the power outlet in the vehicle.



6. Push the power switch to the ACC position. Then push the compressor switch to the ON (–) position and inflate the tyre up to the pressure that is specified on the tyre and loading information label affixed to the driver's side centre pillar if possible, or to the minimum of 180 kPa (26 psi). Turn the air compressor off briefly in order to check the tyre pressure with the pressure gauge.

If the tyre is inflated to a pressure higher than the specified pressure, lower the tyre pressure by releasing air with the pressure release valve.

⚠ CAUTION

Do not operate the compressor over 10 minutes. Doing so may discharge the 12-volt battery.

NOTE:

The compressor tyre pressure gauge may show a pressure reading of 600 kPa (87 psi) for about 30 seconds while inflating the tyre. The pressure gauge is indicating the pressure inside the sealant can. When the sealant has been injected into the tyre the pressure gauge will drop and indicate actual tyre pressure.

⚠ WARNING

- To avoid serious personal injury while using the emergency tyre puncture repair kit:
 - Securely tighten the compressor hose to the tyre valve. Failure to do so can cause the sealant to spray into the air and get into your eyes or on your skin.
- Do not stand directly beside the damaged tyre while it is being inflated because of the risk of rup-

ture. If there are any cracks or bumps, turn the compressor off immediately.

If the tyre pressure does not increase to **180 kPa (26 psi) within 10 minutes**, the tyre may be seriously damaged and **the tyre cannot be repaired with this tyre repair kit**. Contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

7. When the tyre pressure is at the specified value, turn the air compressor off. If the tyre cannot be inflated to the specified value, the air compressor can be turned off at the minimum of 180 kPa (26 psi). Remove the power plug from the power outlet and quickly remove the hose from the tyre valve. Install the tyre valve cap. Properly store the emergency tyre puncture repair kit in the boot area.

CAUTION

To avoid serious personal injury when stowing the emergency tyre puncture repair kit:

Keep the sealant bottle screwed into the compressor. Failure to do so can cause the sealant to spray into the air and get into your eyes or on your skin.

8. Immediately drive the vehicle for 10 minutes or 10 km (6 miles) at a speed of 80 km/h (50 MPH) or less within 1 minute after following step 7.
9. After driving, make sure that the air compressor switch is in the OFF position, then screw the hose securely onto the tyre valve. Check the tyre pressure with the pressure gauge. The temporary repair is completed if the tyre pressure does not drop.

Make sure the pressure is adjusted to the pressure that is specified on the tyre placard before driving.
10. If the tyre pressure drops, repeat step 5 to 9. If the pressure drops again or remains under 130 kPa (19 psi), **the tyre**

cannot be repaired with this tyre repair kit. Contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

The sealant bottle and hose can not be reused to repair another punctured tyre. Contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer to purchase replacements.

After repairing tyre

See a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer for tyre repair/replacement as soon as possible.

WARNING

- After using Emergency Tyre Sealant to repair a minor tyre puncture, do not drive the vehicle at speeds higher than 80 km/h (50 MPH).
- Immediately after using Emergency Tyre Sealant to repair a minor tyre puncture, take your vehicle to a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer to inspect, and repair or replace the tyre. The Emergency Tyre Sealant cannot permanently seal a

punctured tyre. Continuing operation of the vehicle without a permanent tyre repair can lead to an accident.

- If you used Emergency Tyre Sealant to repair a minor tyre puncture, your knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer will also need to replace the tyre.
- NISSAN recommends using only NISSAN Genuine Emergency Tyre Sealant as provided with your vehicle. Other tyre sealants may damage the valve stem seal which can cause the tyre to lose air pressure.

JUMP STARTING

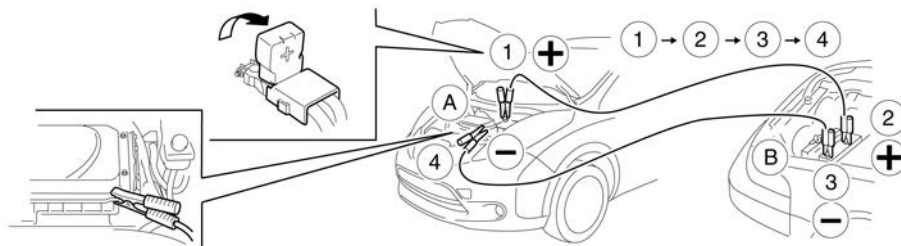
To start the electric vehicle system with a booster battery, the instructions and precautions below must be followed.

Jump starting provides power to the 12-volt system to allow the electrical systems to operate. The electrical systems must be operating to allow the Li-ion battery to be charged. Jump starting does not charge the Li-ion battery. The Li-ion battery must be charged before the vehicle can be driven.

WARNING

- If done incorrectly, jump starting can lead to a 12-volt battery explosion, resulting in severe injury or death. It could also damage your vehicle.
- Explosive hydrogen gas is always present in the vicinity of the 12-volt battery. Keep all sparks and flames away from the 12-volt battery.
- Do not allow battery fluid to come into contact with eyes, skin, clothing or painted surfaces. Battery fluid is a corrosive sulphuric acid solution that can cause severe burns. If the fluid comes into contact with anything, immediately flush the contacted area with water.

- Keep the 12-volt battery out of the reach of children.
- The booster battery must be rated at 12 volt. Use of an improperly rated battery can damage your vehicle.
- Whenever working on or near a 12-volt battery, always wear suitable eye protectors (for example, goggles or industrial safety spectacles) and remove rings, metal bands, or any other jewellery. Do not lean over the 12-volt battery when jump starting.
- Do not attempt to jump start a frozen battery. It could explode and cause serious injury.
- Your vehicle has an automatic cooling fan. It could come on at any time. Keep hands and other objects away from it.



⚠ WARNING

Always follow the instructions below. Failure to do so could result in damage to the Power Delivery Module (PDM) and cause personal injury.

⚠ CAUTION

- Do not attempt to perform a jump start on the 12-volt battery at the same time that the Li-ion battery is being charged. Doing so may damage the vehicle or charging equipment and could cause an injury.

- The LEAF cannot be used as a booster vehicle because it cannot supply enough power to start a petrol or diesel engine vehicle. However it is no problem using a petrol or diesel engine vehicle to supply power to the 12-volt battery of the LEAF.

- If the booster battery is in another vehicle (B), position the two vehicles (A and B) to bring their 12-volt batteries into close proximity to each other.

Do not allow the two vehicles to touch.

- Apply the parking brake.

- Push the P position switch on the shift lever to place the vehicle in the P (Park) position.
- Switch off all unnecessary electrical systems (headlights, heater, air conditioner, etc.).
- Place the power switch in the OFF position.
- Remove the vent caps on the 12-volt battery (where fitted). Cover the battery with a firmly wrung out moist cloth to reduce the hazard of an explosion.
- Connect jumper cables in the sequence as illustrated (1 → 2 → 3 → 4).

If the 12-volt battery is discharged, the power switch cannot be moved from the OFF position. Connect the jumper cables to the booster vehicle (B) before pushing the power switch.

⚠ CAUTION

- Always connect positive (+) to positive (+) and negative (-) to body ground (for example, as illustrated), not to the 12-volt battery.
- Make sure the jumper cables do not touch moving parts in the mo-

tor compartment and that the cable clamps do not contact any other metal.

8. Start the engine of the booster vehicle (B).
9. While the booster vehicle (B) engine is running, place the electric vehicle system in the READY to drive position.

CAUTION

If the system does not start right away, push the power switch to the OFF position and wait 10 seconds before trying again.

10. After starting the electric vehicle system of your vehicle, carefully disconnect the negative cable and then the positive cable ((4) → (3) → (2) → (1)) and keep the READY to drive position over 20 minutes to charge the 12-volt battery.
11. Install the vent caps (where fitted). Be sure to dispose of the cloth used to cover the vent holes because it may be contaminated with corrosive acid.

12. If necessary connect the vehicle to a charging station or EVSE (Electric Vehicle Supply Equipment) to charge the Li-ion battery, See "CH. Charging" section. The vehicle can not be driven until the Li-ion battery is charged.

NOTE:

If it is not possible to turn the system ON by following this procedure, contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer immediately.

IF THE LI-ION BATTERY BECOMES COMPLETELY DISCHARGED

If the power limitation indicator light  illuminates, the traction motor output is limited resulting in reduced vehicle speed. Stop the vehicle in a safe location before the Li-ion battery becomes completely discharged and no power is available to drive the vehicle. Contact Roadside assistance, see your NISSAN LEAF Warranty Booklet and Maintenance Record.

If possible, place the power switch in the OFF position while waiting for assistance to prevent discharging the 12-volt battery.

NOTE:

If the Li-ion battery becomes completely discharged:

- The vehicle is automatically placed in the ON position and it will not be possible to switch to the READY position.
- The vehicle is automatically switched to the N (Neutral) position and it will not be possible to drive the vehicle.

WARNING

If the vehicle is in the N (Neutral) position and the Li-ion battery and the 12-volt battery become completely discharged, the vehicle can not be placed in the P (Park) position, and the parking brake

cannot be applied. If this occurs, place suitable blocks at both the front and back of a wheel to prevent the vehicle from moving. Failure to block a wheel may allow the vehicle to move unexpectedly which may result in serious personal injury or death.

To place the vehicle in the READY position so the vehicle can be driven, charge the Li-ion battery until the driving range on the instrument panel changes from "---" to a numeric distance.

PUSH STARTING

Do not attempt to start the system by pushing the vehicle.

⚠ CAUTION

An electric vehicle cannot be push-started or tow-started. Attempting to do so may cause traction motor damage.

TOWING YOUR VEHICLE

When towing your vehicle, local regulations for towing must be followed. Incorrect towing equipment could damage your vehicle. Towing instructions are available from a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer. Local service operators are familiar with the applicable laws and procedures for towing. To assure proper towing and to prevent accidental damage to your vehicle, NISSAN recommends that you have a service operator tow your vehicle. It is advisable to have the service operator carefully read the following precautions.

⚠ WARNING

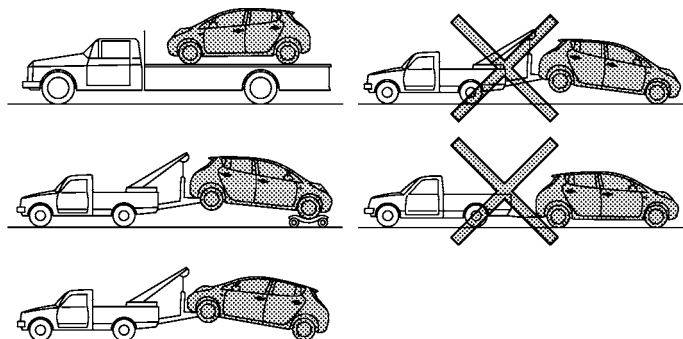
- **Never ride in a vehicle that is being towed.**
- **Never get under your vehicle after it has been lifted by a tow truck.**

⚠ CAUTION

- When towing, make sure that the axles, steering system and power train are in working condition. If any unit is damaged, dollies must be used.
- Always attach safety chains before towing.

For information about towing your vehicle behind a recreational vehicle (RV), see 📖 "Flat towing" in the "9. Technical information" section.

TOWING RECOMMENDED BY NISSAN



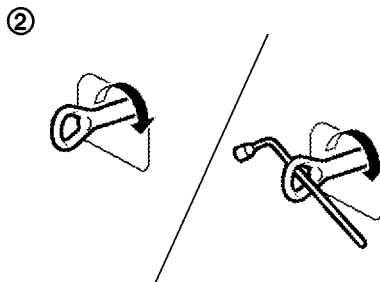
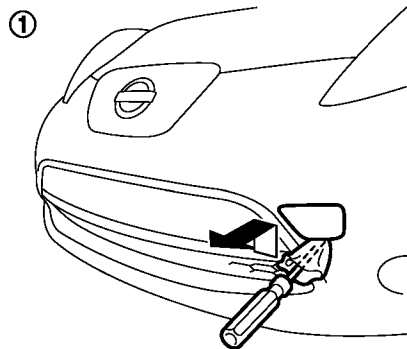
NISSAN recommends that your vehicle be towed with the driving (front) wheels off the ground or that the vehicle be placed on a flatbed truck as illustrated.

⚠ CAUTION

- Never tow with the front wheels on the ground or four wheels on the ground (forward or backward), as this may cause serious and expensive damage to the motor.

- When towing this vehicle with the front wheels on towing dollies:
 - Place the power switch in the ON position. Secure the steering wheel in the straight-ahead position with a rope or similar device.
 - Place the shift lever in the N (Neutral) position.
- When towing this vehicle with the rear wheels on the ground (if you do not use towing dollies): Always release the parking brake.

VEHICLE RECOVERY (freeing stuck vehicle)



Front

⚠ WARNING

- Stand clear of a stuck vehicle.
- Do not spin your tyres at high speed. This could cause them to explode, which could result in serious injury. Parts of the vehicle could also over-heat and be damaged.

Pulling a stuck vehicle

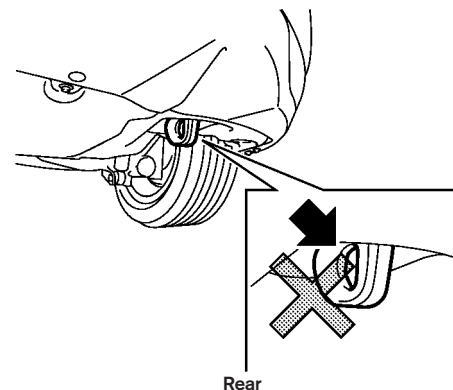
Do not use the tie down hook for towing or vehicle recovery.

Front:

1. Using a suitable tool wrapped with a cloth, remove the hook cover from the bumper.
2. Securely install the recovery hook as illustrated. (The hook is stored in the left side of the boot.)

Make sure that the hook is properly stored and secured in its original location after use.

Rear:



Do not use the tie down hook to pull the vehicle.

CAUTION

- Tow chains or cables must be attached only to the vehicle recovery hook or main structural members of the vehicle. Otherwise, the vehicle body will be damaged.
- Do not use the vehicle tie down hook to free a vehicle stuck in sand, snow, mud, etc.
- Never tow a vehicle using the vehicle tie down hook or recovery hook.
- Always pull the cable straight out from the front of the vehicle. Never pull on the vehicle at an angle.
- Pulling devices should be routed so they do not touch any part of the suspension, steering, brake or cooling systems.
- Pulling devices such as ropes or canvas straps are not recommended for use in vehicle towing or recovery.

1. Turn off the Electronic Stability Programme (ESP) system.
2. Make sure the area in front and behind the vehicle is clear of obstructions.
3. Turn the steering wheel right and left to clear an area around the front tyres.
4. Slowly rock the vehicle forward and backward.
 - Shift back and forth between the R (Reverse) and D (Drive) positions.
 - Apply the accelerator as little as possible to maintain the rocking motion.
 - Release the accelerator pedal before shifting between R and D.
 - Do not spin the tyres above 55 km/h (35 MPH).
5. If the vehicle cannot be freed after a few attempts, contact a professional towing service to recover the vehicle.

Rocking a stuck vehicle

If the vehicle is stuck in sand, snow, mud, etc., try to free it by following the procedure below.

NOTE

7 Appearance and care

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Waxing	7-2	Seat belts.....	7-5
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CLEANING EXTERIOR

In order to maintain the appearance of your vehicle, it is important to take proper care of it.

To protect the paint surfaces, wash your vehicle as soon as you can:

- After a rainfall to prevent possible damage from acid rain.
- After driving on coastal roads.
- 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 surface.

Whenever possible, store or park your vehicle inside a garage or in a covered area.

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

Wash dirt off the vehicle with a wet sponge and plenty of water. Clean the vehicle thoroughly using a mild soap, a special vehicle

soap or general purpose dishwashing liquid mixed with clean, lukewarm (never hot) water.

⚠ CAUTION

- **Do not use car washes that use acid in the detergent. Some car washes, especially brushless ones, use some acid for cleaning. The acid may react with some plastic vehicle components, causing them to crack. This could affect their appearance, and also could cause them not to function properly. Always check with your car wash to confirm that acid is not used.**
- **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 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.**

Rinse the vehicle thoroughly with plenty of clean water.

Inside flanges, seams and folds on the doors, hatches and bonnet are particularly vulnerable to the effects of road salt. Therefore, these areas must be regularly cleaned. Make sure that the drain holes in the lower edge of the door are open. Spray water under the body and in the wheel wells to loosen the dirt and wash away road salt.

Avoid leaving water spots on the paint surface by using a damp chamois to dry the vehicle.

WAXING

Regular waxing protects the paint surface and helps retain new vehicle appearance. Polishing is recommended to remove built-up wax residue and to avoid a weathered appearance before re-applying wax.

A knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer can assist you in choosing the proper product.

- Wax your vehicle only after a thorough washing. Follow the instructions supplied with the wax.
- Do not use a wax containing any abrasives, cutting compounds or cleaners that may damage the vehicle finish.

Machine compound or aggressive polishing on a base coat/clear coat paint finish may dull the finish or leave swirl marks.

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 knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer or any automotive accessory stores.

UNDERBODY

In areas where road salt is used in winter, the underbody must be cleaned regularly. This will prevent dirt and salt from building up and causing the acceleration of corrosion on the underbody and suspension. Before the winter period and again in the spring, the underseal must be checked and, if necessary, re-treated.

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, radio antenna elements or rear window defogger elements.

SOLAR CELL MODULE (where fitted)

The solar cell uses a plastic cover. When cleaning the cell:

- Do not polish the solar cell using a dry cloth or a wax that contains a rubbing compound. Doing so may strip off the hard coating.
- In order to maintain the solar cell's effectiveness, be sure to remove any leaves or dirt from the surface of the cell.

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.

- Inspect wheel rims regularly for dents or corrosion. Such damage may cause loss of pressure or poor seal at the tyre bead.
- NISSAN recommends that the road wheels be waxed to protect against road salt in areas where it is used during winter.

CAUTION

Do not use abrasive cleaners when washing the wheels.

Aluminium alloy wheels

Wash regularly with a sponge dampened in a mild soap solution, especially during winter months in areas where road salt is used. Salt could discolour the wheels if not removed.

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 chrome parts regularly with a non-abrasive chrome polish to maintain the finish.

TYRE DRESSING

NISSAN does not recommend the use of tyre dressings. Tyre manufacturers apply a coating to the tyres to help reduce discoloration of the rubber. If a tyre dressing is applied to the tyres, it may react with the coating and form a compound. This compound may come off the tyre while driving and stain the vehicle paint.

If you choose to use a tyre dressing, take the following precautions:

- Use a water-based tyre dressing. The coating on the tyre dissolves more easily with an oil-based tyre dressing.
- Apply a light coat of tyre dressing to help prevent it from entering the tyre tread/grooves (where it would be difficult to remove).

- Wipe off excess tyre dressing using a dry towel. Make sure the tyre dressing is completely removed from the tyre tread/grooves.
- Allow the tyre dressing to dry as recommended by tyre dressing manufacturer.

CLEANING INTERIOR

Occasionally remove loose dust from the interior trim, plastic parts and seats using a vacuum cleaner or soft bristled brush. Wipe the vinyl and leather surfaces with a clean, soft cloth dampened in mild soap solution, then wipe clean with a dry soft cloth.

Regular care and cleaning is required in order to maintain the appearance of the leather.

Before using any fabric protector, read the manufacturer's recommendations. Some fabric protectors contain chemicals that may stain or bleach the seat material.

Use a cloth dampened only with water, to clean the meter and gauge lens.

CAUTION

- **Never use benzine, thinner, or any similar material.**
- **Small dirt particles can be abrasive and damaging to the leather surfaces and should be removed promptly. Do not use saddle soap, car waxes, polishes, oils, cleaning fluids, solvents, detergents or ammonia-based cleaners as they may damage the leather's natural finish.**

- **Never use fabric protectors unless recommended by the manufacturer.**
- **Do not use glass or plastic cleaner on meter or gauge lens covers. It may damage the lens cover.**

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.

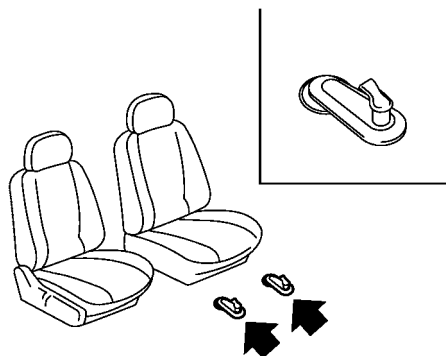
Carefully read and follow the manufacturer's instructions before using air fresheners.

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 po-

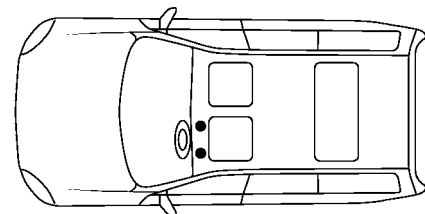
sitioned in the foot well to prevent interference with pedal operation. Mats should be maintained with regular cleaning and replaced if they become excessively worn.

Floor mat positioning aid (driver's side only)



This vehicle includes front floor mat brackets to act as floor mat positioning aid. NISSAN floor mats have been specially designed for your vehicle model. The driver's side floor mat has grommet holes incorporated in it. Position the mat by placing the floor mat bracket hook through the floor mat grommet hole while centering the mat in the floorwell.

Periodically check to make certain the mats are properly positioned.



Bracket position

The illustration shows the location of floor mat brackets.

SEAT BELTS

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.

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.

ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE)

The Electric Vehicle Supply Equipment (EVSE) can be cleaned by wiping it gently with a soft cloth dampened in a 3% mild soap solution. Wipe and rinse the soap solution off with a cloth dampened with water and allow the EVSE to dry in a shady and well-ventilated place.

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 paint and other protective coatings caused by gravel and stone chips or minor traffic accidents.

ENVIRONMENTAL FACTORS INFLUENCE THE RATE OF CORROSION

Moisture

Accumulation of sand, dirt and water on the vehicle body underside can accelerate corrosion. Wet floor coverings will not dry completely inside the vehicle, and should be removed for drying to avoid floor panel corrosion.

Relative humidity

Corrosion will be accelerated in areas of high relative humidity, especially those areas where the temperatures stay above freezing, where atmospheric pollution exists, or where road salt is used.

Temperature

A temperature increase will accelerate the rate of corrosion to those parts which are not well ventilated.

Air pollution

Industrial pollution, the presence of salt in the air in coastal areas, or heavy road salt use will accelerate the corrosion process. Road salt will also accelerate the disintegration of paint surfaces.

TO PROTECT YOUR VEHICLE FROM CORROSION

- Wash and wax your vehicle often to keep the vehicle clean.
- Always check for minor damage to the paint and repair it as soon as possible.
- Keep drain holes at the bottom 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 compart-

ment 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 brake lines, brake cables, floor pan and fenders.

In winter, the underbody must be cleaned periodically.

For additional protection against rust and corrosion, which may be required in some areas, consult a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

NOTE

8 Maintenance and do-it-yourself

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MAINTENANCE REQUIREMENT

Some day-to-day and regular maintenance is essential to maintain your vehicle's good mechanical condition, as well as its electric vehicle system performance

It is the owner's responsibility to make sure that the scheduled 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, both required and optional scheduled maintenance items are described and listed in the separately provided Warranty Information and Maintenance booklet. You must refer to that guide to ensure that necessary maintenance is performed on your NISSAN 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 or inspections can be done by yourself, a qualified technician or, if you prefer, a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

WHERE TO GO FOR SERVICE

If maintenance service is required or your vehicle appears to malfunction, have the systems checked and serviced by a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

GENERAL MAINTENANCE

During the normal day-to-day operation of the vehicle, general maintenance should be performed regularly as prescribed in this section. If you detect any unusual sounds, vibrations or smell, be sure to check for the cause or have a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer do it promptly. In addition, you should notify a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer if you think that repairs are required.

When performing any checks or maintenance work, see  "Maintenance precautions" later in this section.

EXPLANATION OF 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 tailgate. Also make sure that all latches lock securely. Lubricate if

necessary. Make sure that the secondary latch keeps the bonnet from opening when the primary latch is released. When driving in areas using road salt or other corrosive materials, check lubrication frequently.

Lights*:

Clean the headlights on a regular basis. Make sure that the headlights, stop lights, tail lights, turn signal lights and other lights are all operating properly and installed securely. Also check 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 the case that front and rear tyres are 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 transmitter grommet seal, 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 scheduled 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. Be sure to keep the floor mat 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 washers operate properly and that the wipers do not streak.

Under the bonnet and vehicle

The maintenance items listed here should be checked periodically.

12-volt 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.

Coolant level*:

Check the coolant level when the high voltage parts are cold. Make sure that the coolant level is between the MAX and MIN line on the reservoir.

Fluid leaks:

Check under the vehicle for 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, check for a cause and have it corrected immediately.

Windscreen washer fluid*:

Check that there is adequate fluid in the reservoir.

MAINTENANCE PRECAUTIONS

When performing any inspection or maintenance work on your vehicle, always take care to prevent serious accidental injury to yourself or damage to the vehicle. The following are general precautions that should be closely observed.

WARNING

- The electric vehicle system uses high voltage up to approximately DC 400 volt. The system can be hot during and after starting and when the vehicle is shut off. Be careful of both the high voltage and the high temperature. Obey the labels that are attached to the vehicle.
- Never disassemble, remove or replace high-voltage parts and cables as well as their connectors. High-voltage cables are coloured orange.
- Disassembling, removing or replacing those parts or cables can cause severe burns or electric shock that may result in serious injury or death. The vehicle high voltage system has no user serviceable parts. Take your vehicle to a knowledgeable LEAF re-

pairer such as a NISSAN certified electric vehicle dealer for any necessary maintenance.

- Park the vehicle on a level surface, apply the parking brake securely and chock the wheels to prevent the vehicle from moving. Push the P position switch on the shift lever or place the vehicle into the N (Neutral) position.
- If you must work while the electric vehicle system is turned on, keep hands, clothing, hair and tools away from moving fans and any other moving parts.
- Make sure that the power switch is in the OFF or LOCK position when performing any part replacement or repair.
- It is advisable to secure or remove any loose clothing and remove any jewellery, such as rings, watches, etc. before working on your vehicle.
- Always wear eye protection whenever you work on your vehicle.
- Do not get under a vehicle that is supported by a jack.

- Keep smoking materials, flames and sparks away from the 12-volt battery.

CAUTION

- Do not work under the bonnet while the motor compartment is hot. Push the power switch in the OFF position and wait until the motor compartment cools down.
- Avoid direct contact with used coolant. Improperly disposed coolant and/or other vehicle fluids can damage the environment. Always conform to local regulations for the disposal of vehicle fluids.
- Never connect or disconnect the 12-volt battery or any transistorised component while the power switch is in the ON position.
- Your vehicle is equipped with an automatic cooling fan. It may come on at any time without warning, even if the power switch is not in the ACC, ON or READY to drive position. To avoid injury, always disconnect the negative 12-volt battery cable before working near the fan.

- Before performing any electrical maintenance work on the vehicle such as the battery, fuses or bulb replacement, confirm the following:
 - The charge connector is removed from the vehicle.
 - The Climate Ctrl. Timer and remote climate control are not active or operating. See  “Climate Ctrl. Timer” in the “4. Display screen, heater and air conditioner (climate control system)” section and  “Remote climate control” in the “4. Display screen, heater and air conditioner (climate control system)” section.
 - The 12-volt battery is not being charged by the Li-ion battery and that all charging status indicator lights are off. See  “Charging the 12-volt battery” in the “EV. Electric vehicle overview” section and  “Charging status indicator lights” in the “CH. Charging” section.
- The power switch is in the OFF position. Place the power switch in the ON position and then in the OFF position to prevent the 12-volt battery automatically being charged by the Li-

ion battery. See  “Charging the 12-volt battery” in the “EV. Electric vehicle overview” section.

This “8. Maintenance and do-it-yourself” section gives instructions regarding only those items that are relatively easy for an owner to perform.

You should be aware that incomplete or improper servicing may result in operating difficulties and could affect your warranty coverage. **If in doubt about any servicing, we recommend that it be done by a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.**

MOTOR COMPARTMENT

For an overview of the motor compartment, see  “Motor compartment” in the “0. Illustrated table of contents” section.

COOLING SYSTEM

WARNING

- Never remove the coolant tank cap when the motor compartment is hot. Wait until the motor compartment cools down.
- Coolant is poisonous and should be stored carefully in marked containers out of the reach of children.

The 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.

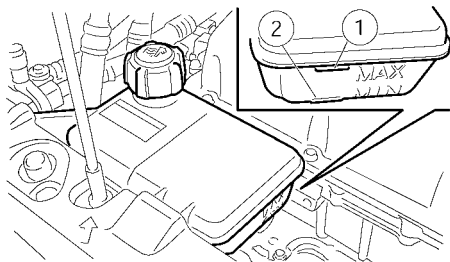
CAUTION

- When adding or replacing coolant, be sure to use only a Genuine NISSAN Coolant or equivalent with the proper mixture ratio of 50% anti-freeze and 50% demineralised or distilled water.
- The use of other types of coolant solutions may damage the high voltage cooling system parts.
- Never use any additives in the coolant such as radiator sealer in the cool-

ing system. This may cause damage to electrical equipment such as the motor and inverter.

The coolant tank is equipped with a special type of coolant tank cap. To minimise the risk of damage to the motor compartment, NISSAN recommends the use of a Genuine NISSAN coolant tank cap.

CHECKING COOLANT LEVEL



Check the coolant level in the reservoir when the high voltage parts are cold. If the coolant

level is below the MIN level ②, open the reservoir cap and add coolant up to the MAX level ①.

Tighten the cap securely after adding coolant.

If the cooling system frequently requires coolant, have it checked by a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

CHANGING COOLANT

Major cooling system repairs should be performed by a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer. The service procedures can be found in the appropriate NISSAN Service Manual.

Improper servicing can result in reduced heater performance.

⚠ WARNING

- To avoid the danger of being scalded, never change the coolant when the motor compartment is hot.
- Never remove the coolant tank cap when the motor compartment is hot. Serious burns could be caused by high-pressure fluid escaping from the radiator.

- Avoid direct skin contact with used coolant. If skin contact is made, wash thoroughly with soap or hand cleaner as soon as possible.
- Keep coolant out of reach of children and pets.



Coolant must be disposed of properly. Check your local regulations.

REDUCTION GEAR FLUID

When checking or replacement is required, we recommend a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer for servicing.

⚠ CAUTION

- Use only Genuine NISSAN Matic S ATF. Do not mix with other fluids.
- Using reduction gear fluid other than Genuine NISSAN Matic S ATF will cause deterioration in driveability and reduction gear durability, and may damage the reduction gear, which is not covered by the warranty.

BRAKE FLUID

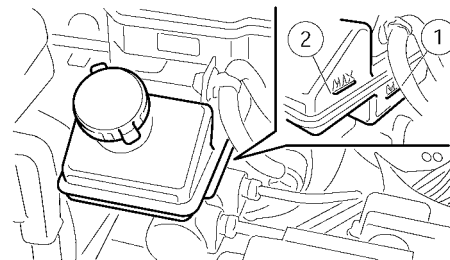
For additional brake fluid information, see  "Recommended fluids/lubricants and capacities" in the "9. Technical information" section or  "Air conditioner and brake fluid specification labels" in the "9. Technical information" section of this manual.

⚠ 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 brake performance.
- 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 any painted surfaces. This will damage the paint. If fluid is spilled, immediately wash the surface with water.

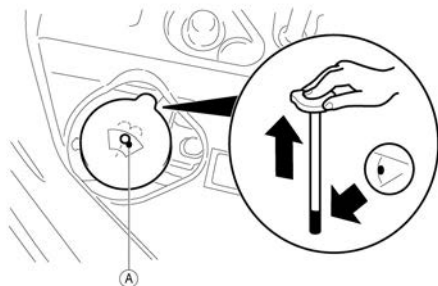


Check the fluid level in the reservoir. If the fluid is below the MIN line ① or the brake warning light illuminates, add fluid up to the MAX line ②.

(For recommended type of fluid, see  "Recommended fluids/lubricants and capacities" in the "9. Technical information" section)

If fluid must be added frequently, the system should be checked by a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

WINDOW WASHER FLUID



⚠ WARNING

Anti-freeze is poisonous and should be stored carefully in marked containers out of the reach of children.

To check the fluid level, place your finger over the hole (A), then remove the cap/tube assembly from the reservoir. If the level is low in the tube, add fluid in the reservoir.

Add a washer solvent to the washer for better cleaning. In the winter season, add a windscreen washer anti-freeze. Follow the manufacturer's instructions for the mixture ratio.

Fill the window washer fluid reservoir periodically.

Refill the reservoir more frequently when driving conditions require the use of an increased amount of window washer fluid.

⚠ CAUTION

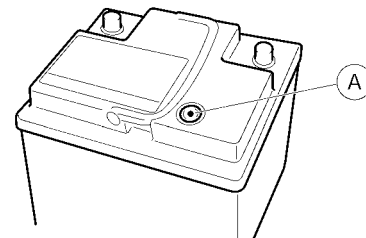
- Do not substitute anti-freeze coolant for window washer solution. This may result in damage to the paint.
- Always use window washer fluid recommended by NISSAN.

12-VOLT BATTERY

Caution symbols for battery			 WARNING
①		No smoking No exposed flames No sparks	Never smoke around the battery. Never expose the battery to open flames or electrical sparks.
②		Shield eyes	Handle the battery cautiously. Always wear eye protection glasses to protect against explosion or battery acid.
③		Keep away from children	Never allow children to handle the battery. Keep the battery out of reach of children.
④		Battery acid	Do not allow battery fluid to contact your skin, eyes, fabrics, or painted surfaces. After handling the battery or battery cap, immediately wash your hands thoroughly. If the battery fluid gets into your eyes, or onto your skin or clothing, flush with water immediately for at least 15 minutes and seek medical attention. Battery fluid is acid. If the battery fluid gets into your eyes or onto your skin, it could cause eyesight loss or burns.
⑤		Note operating instructions	Before handling the battery, read this instruction carefully to ensure correct and safe handling.
⑥		Explosive gas	Hydrogen gas, generated by battery fluid, is explosive.

- Keep the 12-volt battery surface clean and dry. Clean the 12-volt battery with a solution of baking soda and water.
- Make sure the terminal connections are clean and securely tightened.
- An improperly disposed 12-volt battery can harm the environment. Always conform to local regulations for battery disposal.

BATTERY(Maintenance free battery)



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.

If battery replacement or check is required, contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

JUMP STARTING

Jump starting provides power to the 12-volt system to allow the electrical systems to operate. The electrical systems must be operating to allow the Li-ion battery to be charged. Jump starting does not charge the Li-ion battery. The Li-ion battery must be charged before the vehicle can be driven.

If jump starting is necessary, see  "Jump starting" in the "6. In case of emergency" section. If the power switch does not switch to READY to drive position by jump starting, the 12-volt battery may have to be replaced. Contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

WIPER BLADES

CLEANING

If the windscreen is not clear after using the windscreen washer or if a wiper blade chatters when running, wax or other material may be on the blade or windscreen.

Clean the outside of the windscreen with a washer solution or a mild detergent. The windscreen is clean if beads do not form when rinsing with clear water.

Clean each blade by wiping it with a cloth soaked in a washer solution or a mild detergent. Then rinse the blade with clear water. If the windscreen is still not clear after cleaning the blades and using the wiper, replace the blades.

CAUTION

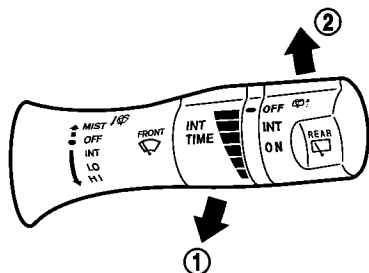
- After wiper blade replacement, return the wiper arm to its original position. Otherwise it may be damaged when the bonnet is opened.
- Make sure the wiper blade contacts the glass. Otherwise, the arm may be damaged from wind pressure.

- Do not open the bonnet when the front wiper is in the servicing position otherwise it can damage the paint surface of the bonnet.
- Worn windscreen wiper blades can damage the windscreen and impair driver vision.

FRONT WINDOW WIPER REPLACEMENT

Replace the wiper blades if they are worn.

Pulling up the wiper arm



⚠ CAUTION

Do not operate the windscreen wiper while the arm is pulled up. The wiper arm or bonnet may be damaged.

Pulling up the wiper arm:

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

To pull up the wiper arm

- 1) Place the power switch in the ACC position.

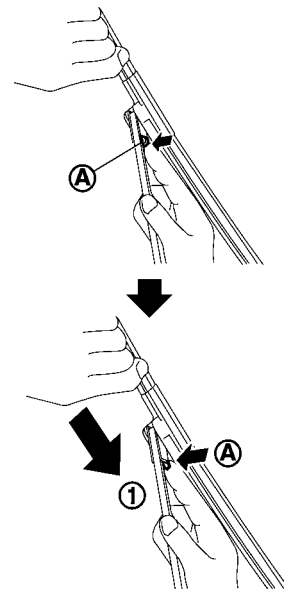
- 2) Pull and hold the lever backwards ① (within one minute after placing the power switch in the ACC position).

The wiper operation stops in mid-operation and the wiper arm can be pulled up.

To return to normal operation after wiper blades replacement

- 1) Return the wiper arm to the down position (on the windscreen).
- 2) Place the power switch in the ON position.
- 3) Push the lever up once ②.

Replacement



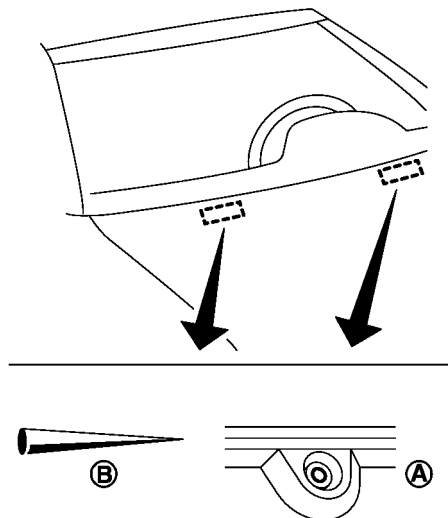
1. Push the release tab ①, and move the wiper blade down the wiper arm ① while pushing the release tab to remove.
2. Insert the new wiper blade onto the wiper arm until a click sounds.

3. Rotate the wiper blade so that the dimple is in the groove.

⚠ CAUTION

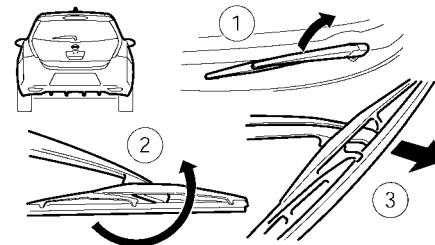
- After wiper blade replacement, return the wiper arms to its original position; otherwise it may be damaged when the bonnet is opened.
- Make sure the wiper blades contact the glass; otherwise the arm may be damaged by wind pressure.

Windscreen washer nozzle



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.

REAR WINDOW WIPER BLADE



1. Lift the wiper arm.
2. Hold and rotate carefully the wiper blade anti-clockwise until the blade becomes free.
3. Insert the new wiper blade onto the wiper arm and snap it into place.
4. Return the wiper arm to its original position.

Contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer if checking or replacement is required.

BRAKES

If the brakes do not operate properly, have the brakes checked by a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

WARNING

Do not adjust the height of the brake pedal. Doing so could alter the effectiveness of the brakes, which could result in a serious accident and personal injury. If adjustment is required, contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

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.

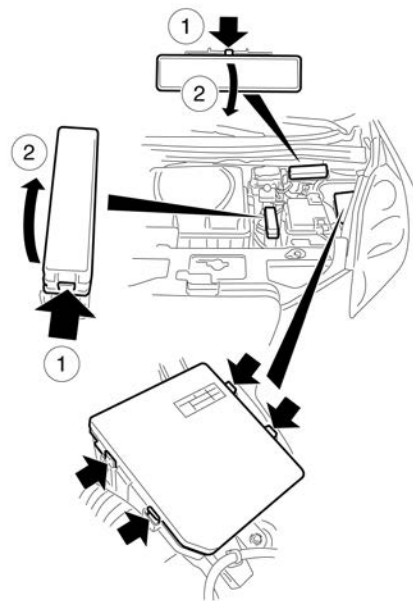
Under some driving or climate conditions, occasional brake squeak, squeal or other noise may be heard. Occasional brake noise during

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 the NISSAN Warranty Booklet and Maintenance Record.

FUSES

MOTOR COMPARTMENT



WARNING

Never touch, disassemble, remove or replace the high-voltage parts and cables, as well as their connectors. High-voltage cables are coloured orange. Touching,

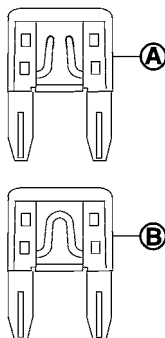
disassembling, removing or replacing those parts and cables can cause severe burns or electric shock that may result in serious injury or death.

⚠ 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.

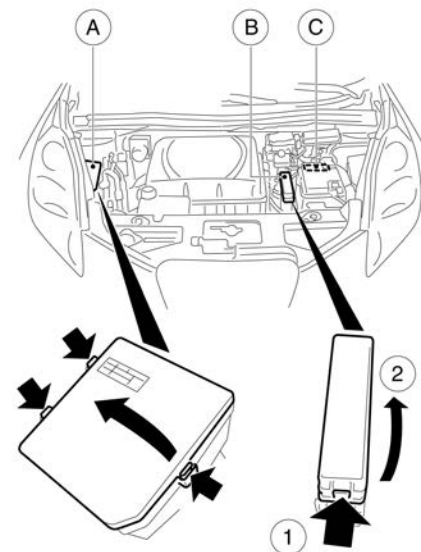
If any electrical equipment does not operate, check for an open fuse.

1. Confirm that the power switch and the headlight switch are turned off.
2. Open the bonnet.
3. Remove the fuse/fusible link holder cover.
4. Locate the fuse that needs to be replaced.
5. Remove the fuse using the fuse puller located in the passenger compartment fuse box.



6. If the fuse is open (A), replace it with a new fuse (B).
7. If a new fuse also opens, have the electrical system checked, and if necessary repaired, by a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

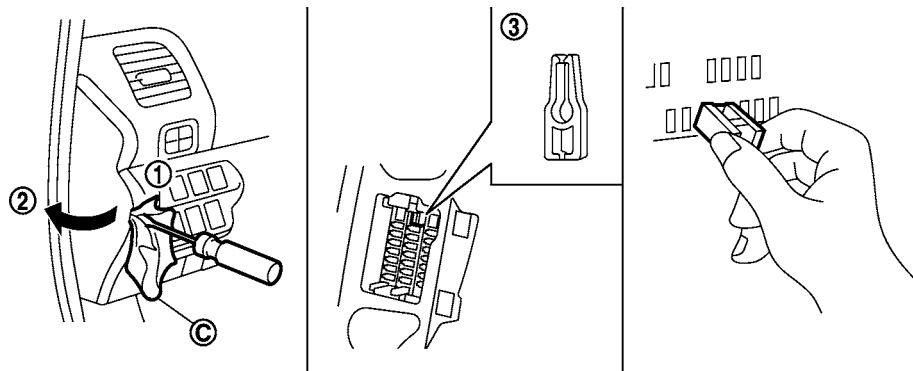
Fusible links



If any electrical equipment does not operate and the fuses are in good condition, check the fusible links in the holder (B). If any of these fusible links are melted, replace with new parts.

For checking and replacing the fusible links in the holders (A) and (C), contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

PASSENGER COMPARTMENT



⚠ CAUTION

Never use a fuse of a higher or lower amperage rating than that specified on the fuse box cover. This could damage the electrical system or cause a fire.

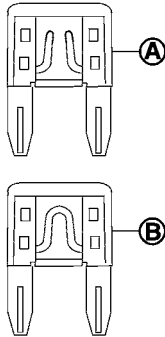
If any electrical equipment does not operate, check for an open fuse.

1. Make sure that the power switch and the headlight switch are turned off.
2. Insert a screwdriver wrapped with the cloth (C) into the slit (1).

Use a cloth to protect the fuse box cover (C).

3. Then pull to remove the fuse box cover (2).
4. Remove the fuse with the fuse puller (3).

INTELLIGENT KEY BATTERY REPLACEMENT



5. If the fuse is open (A), replace it with a new fuse (B).
6. If a new fuse also opens, have the electrical system checked, and if necessary repaired, by a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

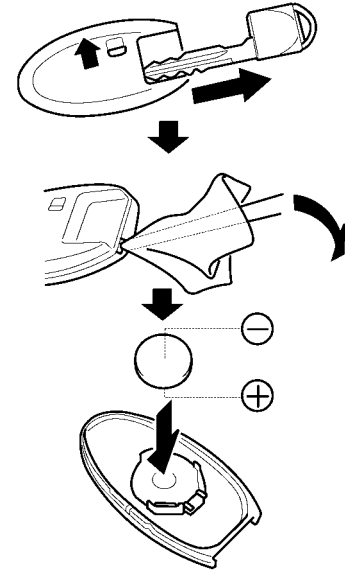
⚠ CAUTION

- Be careful not to allow children to swallow the battery and removed parts.



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

- When changing batteries, do not let dust or oil get on the components.
- There is danger of explosion if the lithium battery is incorrectly replaced. Replace only with the same or equivalent type.



Replace the battery in the Intelligent Key as follows:

1. Remove the mechanical key from the Intelligent Key.

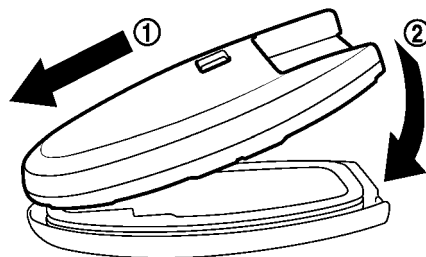
2. Insert a small flat blade screwdriver into the slit of the corner and twist it to separate the upper part from the lower part. Use a cloth to protect the casing.

3. Replace the battery with a new one.

Recommended battery:

CR2025 or equivalent

- Do not touch the internal circuit and electric terminals as doing so could cause a malfunction.
- Hold the battery by the edges. Holding the battery across the contact points will seriously deplete the storage capacity.
- Make sure that the + side faces the bottom of the case.

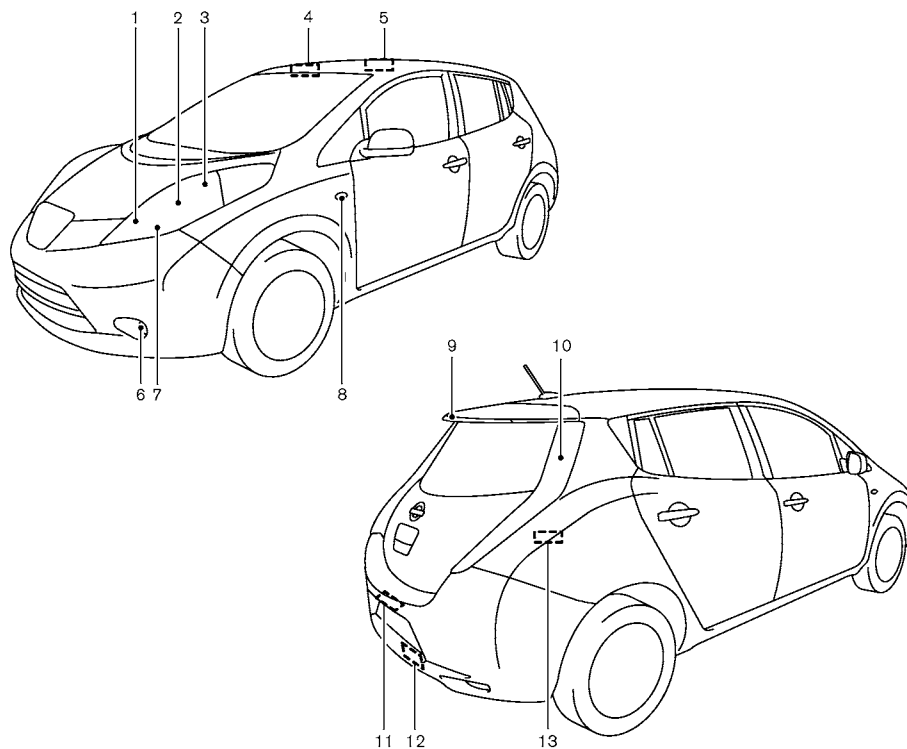


4. Align the tips of the upper and lower parts ①, and then push them together ② until it is securely closed.

5. Operate the buttons to check that it is functioning properly.

Contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer, if you need assistance for battery replacement.

LIGHTS



1. Front side light
2. Headlight — High beam (without LED headlights), Low beam
3. Front turn signal light
4. Front interior light
5. Rear interior light
6. Front fog light and daytime light (where fitted)
7. Headlight (high-beam) (where fitted)
8. Side turn signal light
9. High-mounted stop light
10. Rear combination light (stop/tail/turn signal/reverse light)
11. Number plate light
12. Rear fog light
13. Boot light

NOTE:

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 knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

HEADLIGHTS

Replacing

Halogen headlight:

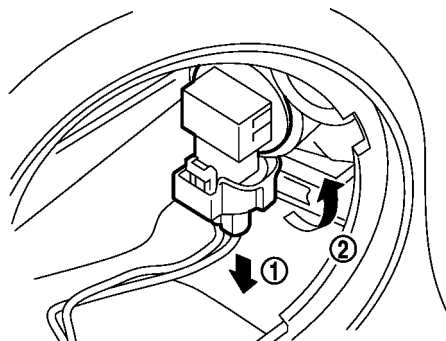
The headlight high-beam is a semi-sealed beam type that uses a replaceable headlight (halogen) bulb.

⚠ CAUTION

- Do not leave the bulb out of the headlight reflector for a long period of time. Dust, moisture, smoke, etc. entering the headlight body may affect bulb performance.
- High-pressure halogen gas is sealed inside the halogen bulb. The bulb may break if the glass envelope is scratched or the bulb is dropped.
- Only touch the base when handling the bulb. Never touch the glass envelope. Touching the glass envelope could significantly affect bulb life and/or headlight performance.

- Aiming is not necessary after replacing the bulb. When aiming adjustment is necessary, contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.
- Use the same number and wattage as originally installed as shown in the chart.

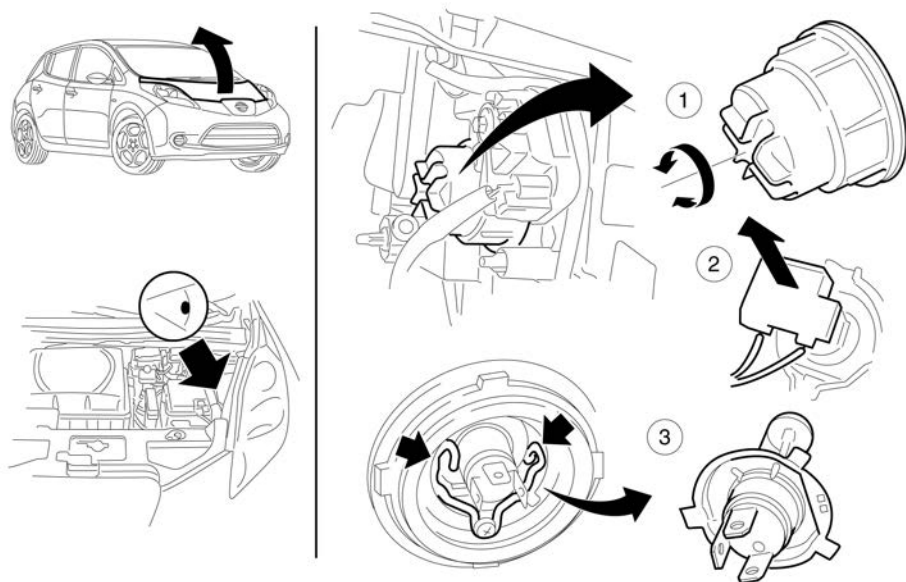
Headlight high beam (where fitted):



1. Disconnect the battery negative cable.
2. Remove the connector ①.

3. Turn the headlight bulb, and then remove the bulb ②.

Headlight high/low beam (where fitted):



1. Disconnect the battery negative cable.
2. Turn the cap in the anticlockwise direction and remove the cap ①.
3. Disconnect the electrical connector ② from the rear end of the bulb.
4. Push and turn the retaining pins ③ to loosen it.
5. Remove the headlight bulb ④. Do not shake or rotate the bulb when removing it.

6. Install the new bulb in the reverse order of removal.

If assistance is required, contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

EXTERIOR AND INTERIOR LIGHTS

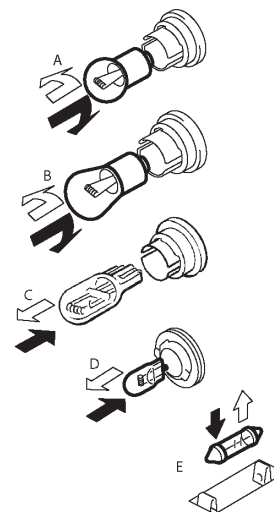
Item	Wattage (W)	Bulb No.
Headlight low beam *1,*2	LED	—
Headlight high beam (Halogen) *1	65	H9
Headlight high/low beam (Halogen) *1	60/55	H4
Front turn signal light	21	WY21W
Front fog light *2	35	H8
Rear fog light	21	W21W
Daytime light *2	13	P13W
Front side light	5	W5W
Side turn signal light	5	WY5W
Rear combination light		
turn signal light	21	WY21W
stop/tail light *2	LED	—
reverse light	16	W16W
Number plate light	5	W5W
Front interior/map lights *2	LED	—
High-mounted stop light *2	LED	—
Rear interior light	8	—
Boot light	5	—

*1: Where fitted

*2: If replacement is required, contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

NOTE: Always check with the Parts Department at a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer for the latest information about parts or if you need assistance for bulb replacement.

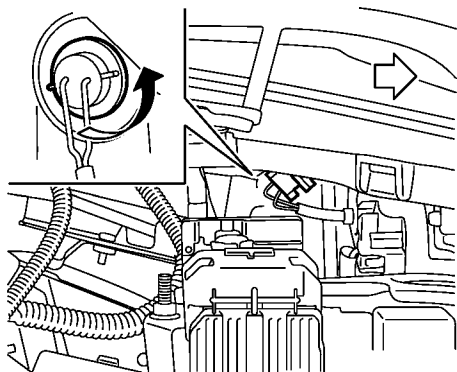
Replacement procedures



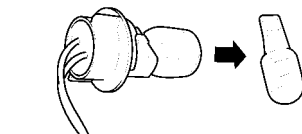
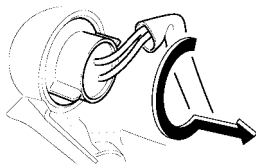
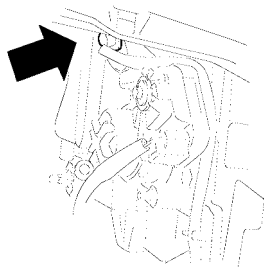
All other lights are either type A, B, C, D or E. When replacing a bulb, first remove the lens and/or cover.

⇨ REMOVE

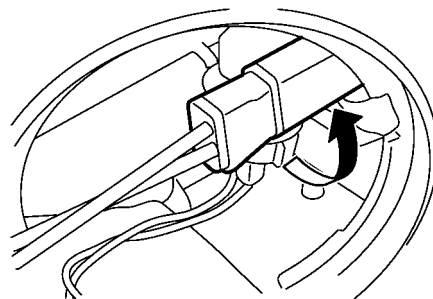
➔ INSTALL



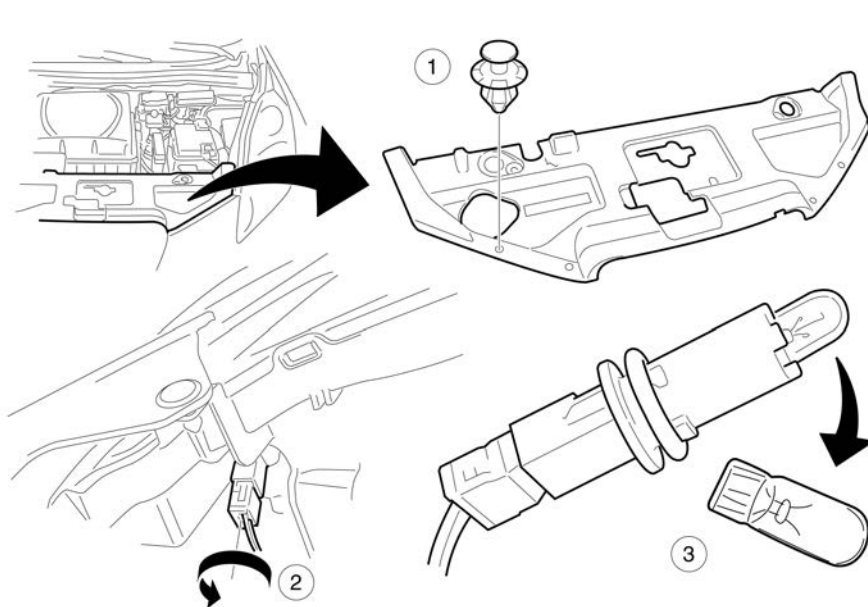
Front turn signal light — Type A



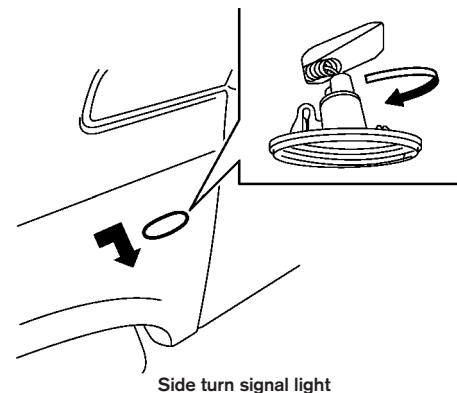
Front turn signal light — Type B

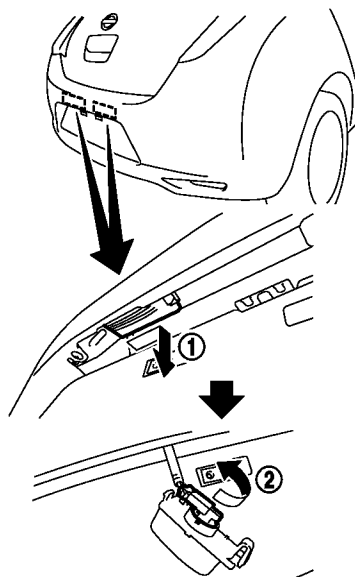


Front side light — Type A

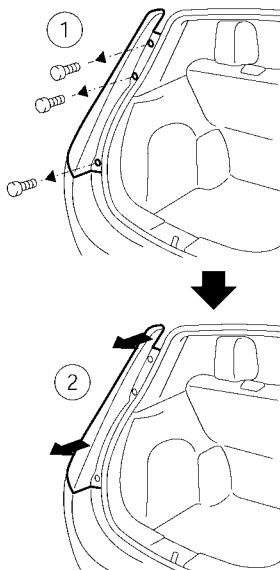


Front side light — Type B

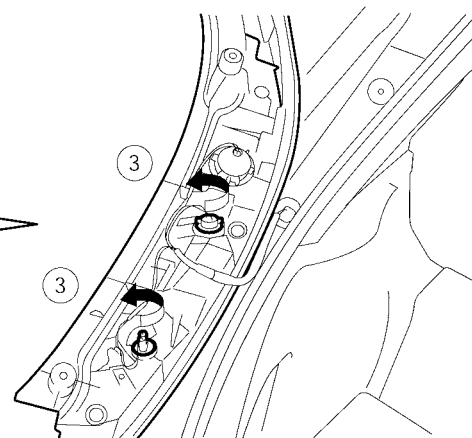




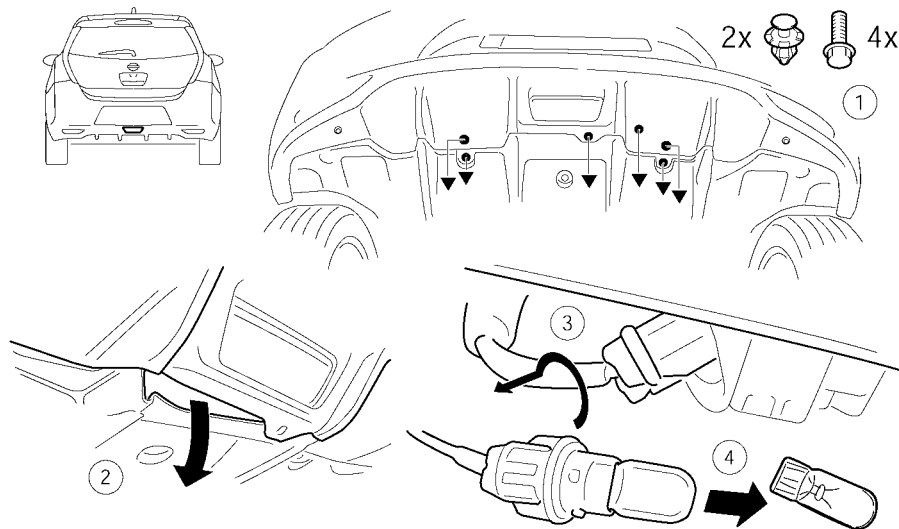
Number plate light



Rear combination light



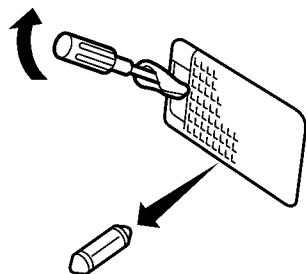
1. Remove the rear combination fixing bolt (1).
2. Pull the rear combination assembly evenly toward rear of the vehicle (2).
3. Turn the bulb socket and then remove the bulb (3).



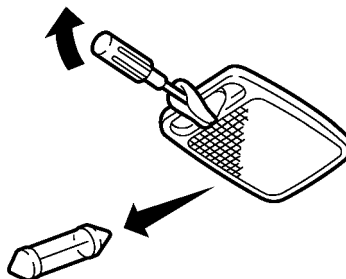
Rear fog light

1. Remove the four fixing bolts and two fasteners.
2. Lower the back side of the cover as shown in the illustration.
3. Locate and turn the connector in the anti-clockwise direction and remove the bulb.
4. Install the new bulb and the cover in reverse order of removal.

If assistance is required, contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.



Boot light

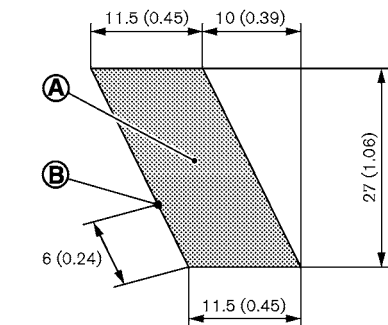


Rear interior light

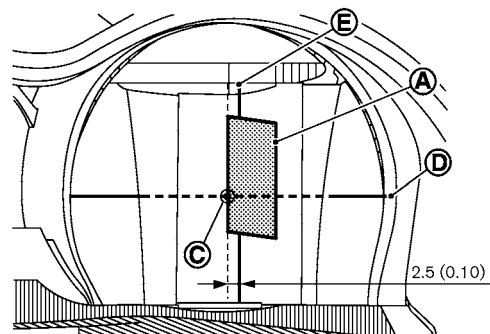
LEGAL REQUIREMENT TO ADJUST HEADLIGHT BEAM (LED VERSION)

Left-Hand Drive (LHD) model

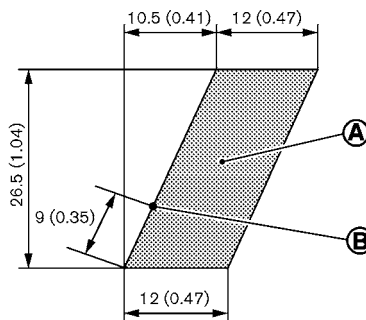
When the vehicle is driven in a country where the driving lane is different to your home country, affix an opaque sticker on the headlight.



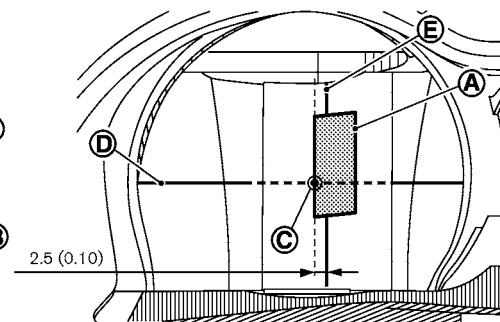
Units: mm (inch)



Right side headlight



Units: mm (inch)



Left side headlight

1. Push the power switch to the OFF position and wait until the headlights cool down.
2. Prepare the sticker 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.

Using a marker pen or similar, put a mark (B) on the sticker that will be a guide for attaching the sticker to the 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 aligning the round mark (C) that is located on the surface of the headlight with the surface of the reflector that is located inside the headlight from the front perspective.

NOTE:

Align the round mark (C) as follows:

- Align the mark (C) vertically with the dividing line (D) of the reflector that is located inside the headlight.

- **Align the marking (C) horizontally:**
 - For right side headlight: Align the mark (C) horizontally with the offset line that is positioned 2.5 mm (0.10 inch) outside the dividing line (E) of the reflector that is located inside the headlight
 - For left side headlight: Align the mark (C) horizontally with the offset line that is positioned 2.5 mm (0.10 inch) inside the dividing line (E) of the reflector that is located inside the headlight.

4. After positioning the mark (C), affix the sticker by aligning the mark (B) of the sticker with the position of the mark (C).

Right side headlight:

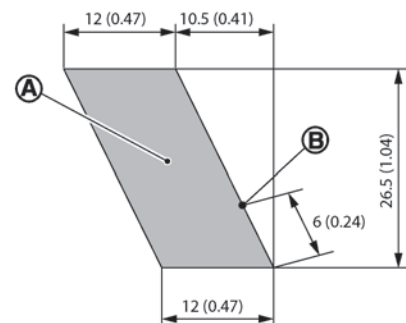
Note that the sticker must be placed inside along the vertical dot line that is indicated in the figure when the sticker is affixed.

Left side headlight:

Note that the sticker must be placed outside along the vertical dot line that is indicated in the figure when the sticker is affixed.

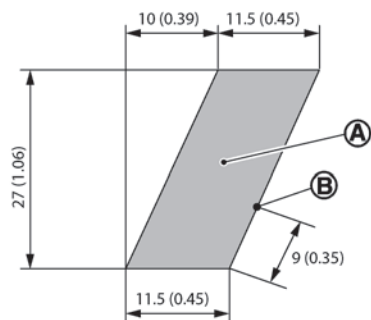
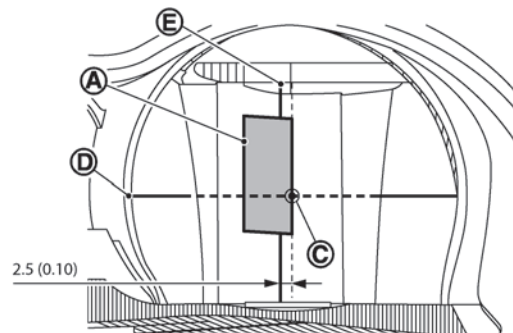
Right-Hand Drive (RHD) model

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.



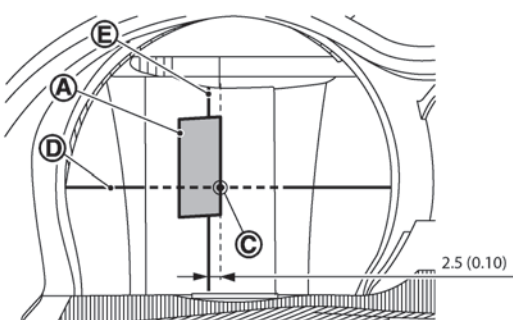
Units: mm (inch)

Right side headlight



Units: mm (inch)

Left side headlight



1. Push the power switch to the OFF position and wait until the headlights cool down.
2. Prepare the sticker 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.

Using a marker pen or similar, put a mark (B) on the sticker that will be a guide for attaching the sticker to the 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 aligning the round mark (C) that is located on the surface of the headlight with the surface of the reflector that is located inside the headlight from the front perspective.

NOTE:

Align the round mark (C) as follows:

- Align the mark (C) vertically with the dividing line (D) of the reflector that is located inside the headlight.

- Align the marking (C) horizontally:
 - For right side headlight: Align the mark (C) horizontally with the offset line that is positioned 2.5 mm (0.10 inch) inside the dividing line (E) of the reflector that is located inside the headlight
 - For left side headlight: Align the mark (C) horizontally with the offset line that is positioned 2.5 mm (0.10 inch) outside the dividing line (E) of the reflector that is located inside the headlight.

4. After positioning the mark (C), affix the sticker by aligning the mark (B) of the sticker with the position of the mark (C).

Right side headlight:

Note that the sticker must be placed outside along the vertical dot line that is indicated in the figure when the sticker is affixed.

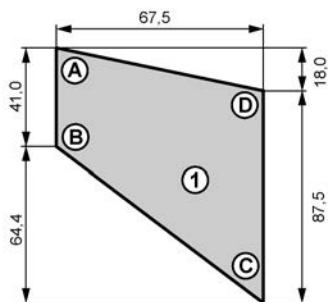
Left side headlight:

Note that the sticker must be placed inside along the vertical dot line that is indicated in the figure when the sticker is affixed.

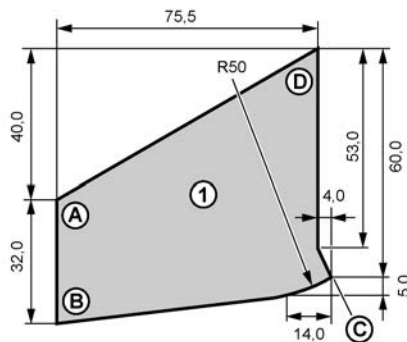
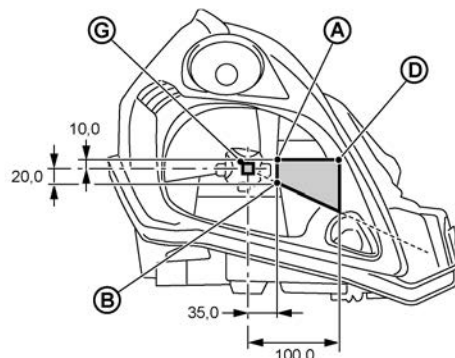
LEGAL REQUIREMENT TO ADJUST HEADLIGHT BEAM (HALOGEN VERSION)

Left-Hand Drive (LHD) model

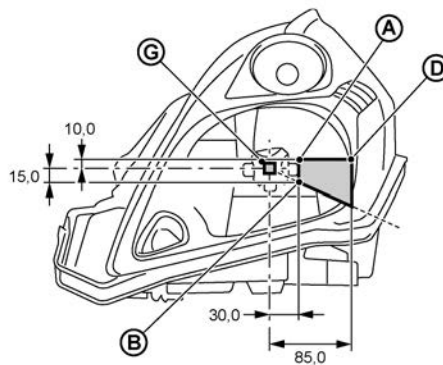
When the vehicle is driven in a country where the driving lane is different to your home country, affix an opaque sticker on the headlight.



Right side headlight (front view) – Units: mm



Left side headlight (front view) – Units: mm



1. Push the power switch to the OFF position and wait until the headlights cool down.
2. Prepare the sticker referring to the figure, make the stickers ① that will be affixed to the surface of the right side headlight and left side headlight.

NOTE:

- Use an opaque material for the sticker that prevents the light from passing through it.
- Note that other transparent materials do not work effectively.

3. Using a marker pen or similar, put reference marks (A), (B), (C), and (D) on the sticker that will be a guide for attaching the sticker to the headlight.
4. Assume a centre point (G) on the surface of the lens, which is equal to the centre point of the bulb shield from the front view.
5. Align the sticker with respect to (G) that is located on the surface of the headlight with the surface of the reflector that is located inside the headlight from the front perspective.

NOTE:

Align the points (A), (B), and (D) with respect to (G) as follows:

- For the right side headlight:
 - Align the point (A) horizontally and vertically with the offset line positioned 35.0 mm inside and the 10.0 mm offset line positioned upward from the centre line. The intersection point is (A).
 - Align the point (B) horizontally and vertically with the offset line positioned 35.0 mm inside and the 20.0 mm offset line positioned downward from the centre line. The intersection point is (B).
 - Align the point (D) horizontally and vertically with the offset line positioned 100.0 mm inside and the 10.0 mm offset line positioned upward from the centre line. The intersection point is (D).
- For left side headlight:
 - Align the point (A) horizontally and vertically with the offset line positioned 30.0 mm outside and the 10.0 mm offset line positioned upward from the centre line. The intersection point is (A).

- Align the point (B) horizontally and vertically with the offset line positioned 30.0 mm outside and the 15.0 mm offset line positioned downward from the centre line. The intersection point is (B).
- Align the point (D) horizontally and vertically with the offset line positioned 85.0 mm outside and the 10.0 mm offset line positioned upward from the centre line. The intersection point is (D).

6. After positioning the marks (A), (B), and (D), affix the sticker. Ensure the points (B) and (C) are aligned on the cutoff line (dotted line shown in the illustration).

Right side headlight:

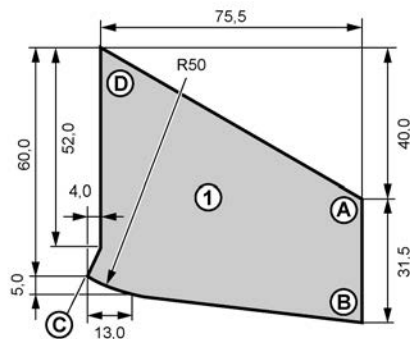
Note that the sticker must be placed inside along the vertical centre line as indicated in the illustration when the sticker is affixed.

Left side headlight:

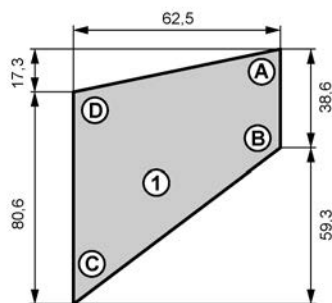
Note that the sticker must be placed outside the vertical centre line as indicated in the figure when the sticker is affixed.

Right-Hand Drive (RHD) model

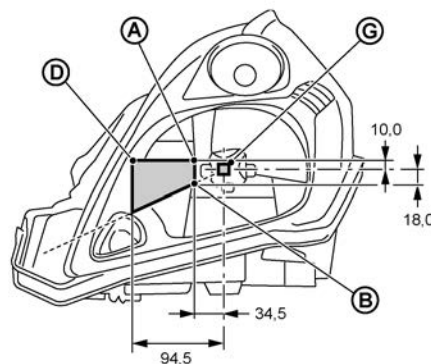
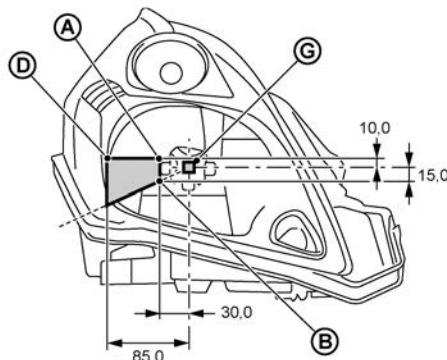
When the vehicle is driven in a country where the driving lane is different to your home country, affix an opaque sticker on the headlight.



Right side headlight (front view) – Units: mm



Left side headlight (front view) – Units: mm



1. Push the power switch to the OFF position and wait until the headlights cool down.
2. Prepare the sticker referring to the figure, make the stickers ① that will be affixed to the surface of the right side headlight and left side headlight.

NOTE:

- Use an opaque material for the sticker that prevents the light from passing through it.
- Note that other transparent materials do not work effectively.

3. Using a marker pen or similar, put reference marks (A), (B), (C), and (D) on the sticker that will be a guide for attaching the sticker to the headlight.
4. Assume a centre point (G) on the surface of the lens, which is equal to the centre point of the bulb shield from the front view.
5. Align the sticker with respect to (G) that is located on the surface of the headlight with the surface of the reflector that is located inside the headlight from the front perspective.

NOTE:

Align the points (A), (B), and (D) with respect to (G) as follows:

- For the right side headlight:
 - Align the point (A) horizontally and vertically with the offset line positioned 30.0 mm outside and the 10.0 mm offset line positioned upward from the centre line. The intersection point is (A).
 - Align the point (B) horizontally and vertically with the offset line positioned 30.0 mm outside and the 15.0 mm offset line positioned downward from the centre line. The intersection point is (B).
 - Align the point (D) horizontally and vertically with the offset line positioned 85.0 mm outside and the 10.0 mm offset line positioned upward from the centre line. The intersection point is (D).
- For left side headlight:
 - Align the point (A) horizontally and vertically with the offset line positioned 34.5 mm inside and the 10.0 mm offset line positioned upward from the centre line. The intersection point is (A).

- Align the point (B) horizontally and vertically with the offset line positioned 34.5 mm inside and the 18.0 mm offset line positioned downward from the centre line. The intersection point is (B).
- Align the point (D) horizontally and vertically with the offset line positioned 94.5 mm inside and the 10.0 mm offset line positioned upward from the centre line. The intersection point is (D).

6. After positioning the marks (A), (B), and (D), affix the sticker. Ensure the points (B) and (C) are aligned on the cutoff line (dotted line shown in the illustration).

Right side headlight:

Note that the sticker must be placed inside along the vertical centre line as indicated in the illustration when the sticker is affixed.

Left side headlight:

Note that the sticker must be placed outside the vertical centre line as indicated in the figure when the sticker is affixed.

WHEELS AND TYRES

In case of a flat tyre, see  “Flat tyre” in the “6. In case of emergency” section.

TYRE PRESSURE

Tyre inflation pressure

Periodically check the pressure of the tyres. 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 and loading information label.

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

WARNING

- When changing or replacing tyres, be sure all four tyres are of the same type (Example: Summer, All Season or Snow) and construction. A knowledgeable LEAF repairer such as a NISSAN certified electric vehicle

dealer may be able to help you with information about tyre type, size, speed rating and availability.

- Replacement tyres may have a lower speed rating than the factory equipped tyres, and may not match the potential maximum vehicle speed. Never exceed the maximum speed rating of the tyre.

All season tyres

NISSAN specifies all season tyres on some models to provide good performance all year, including snowy and icy road conditions. All Season tyres are identified by ALL SEASON and/or M&S (Mud and Snow) on the tyre sidewall. Snow tyres have better snow traction than All Season tyres and may be more appropriate in some areas.

Summer tyres

NISSAN specifies summer tyres on some models to provide superior performance on dry roads. Summer tyre performance is substantially reduced in snow and ice. Summer tyres do not have the tyre traction rating M&S on the tyre sidewall.

If you plan to operate your vehicle in snowy or icy conditions, NISSAN recommends the use of SNOW tyres 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.

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.

SNOW CHAINS

Use of snow chains may be prohibited according to location. Check the local laws before installing snow chains. When installing snow chains, make sure they are the proper

size for the tyres on your vehicle and are installed according to the chain manufacturer's suggestions.

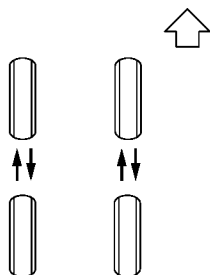
Use chain tensioners when recommended by the snow chain manufacturer to ensure a tight fit. Loose end links of the snow chain must be secured or removed to prevent the possibility of whipping action damage to the fenders or underbody. If possible, avoid fully loading your vehicle when using snow chains. In addition, drive at a reduced speed. Otherwise, your vehicle may be damaged and/or vehicle handling and performance may be adversely affected.

Snow chains must be installed only on the front wheels and not on the rear wheels.

Never install snow chains on the T-type spare tyre (Temporary use only).

Do not use snow chains on dry roads. Driving with snow chains in such conditions can cause damage to the various mechanisms of the vehicle due to some overstress.

TYRE ROTATION



NISSAN recommends rotating the tyres every 10,000 km (6,000 miles). See "Flat tyre" in the "6. In case of emergency" section for tyre replacement procedures.

WARNING

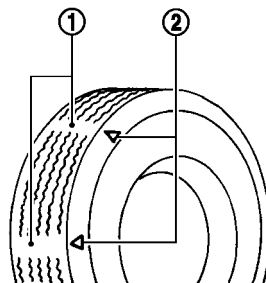
- After rotating the tyres, adjust the tyre pressure.
- Do not include the T-type spare tyre in the tyre rotation.
- Retighten the wheel nuts when the vehicle has been driven for 1,000 km

(600 miles) (after the wheel has been refitted to the vehicle for any reason (tyre rotation, flat tyre, etc.)).

For models equipped with Tyre Pressure Monitoring System (where fitted)

After the tyres have been rotated, the TPMS must be reset. For details about the resetting procedure, see "Tyre Pressure Monitoring System (TPMS) (where fitted)" in the "5. Starting and driving" section.

TYRE WEAR AND DAMAGE



1. Wear indicator

2. Wear indicator location mark

WARNING

- 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(s) should be replaced.
- The original tyres have built-in tread wear indicators. When wear indicators are visible, the tyre(s) should be replaced.

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 the tyres checked regularly and balanced by a repair shop or, if you prefer, a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

REPLACING WHEELS AND TYRES

When replacing a tyre, use the same size, tread design, speed rating and load carrying capacity as originally equipped. See

🔧 “Specifications” in the “9. Technical information” section for recommended types and sizes of tyres and wheels.

The use of tyres other than those that match the quality of those recommended by NISSAN 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) (where fitted), speedometer calibration, headlight aim and bumper height. Some of these effects may lead to accidents and could result in serious personal injury.

⚠️ WARNING

If the wheels are changed for any reason, always replace with wheels which have the same off-set dimension. Wheels with different off-set could cause premature tyre wear, degrade vehicle handling characteristics and/or could cause interference with the brake discs/drums. Such interference can lead to decreased braking efficiency and/or early brake pad/shoe wear.

See 📖 “Wheels and tyres” in the “9. Technical information” section of this manual for wheel off-set dimensions.

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 (where fitted)

Temporary-use spare wheel/tyre



Temporary-use spare tyre label

The temporary-use spare tyre is designed for emergency use only. This spare tyre should

be used **ONLY** for very short periods and **NEVER** be used for long drives or extended periods.

Observe the following precautions if the temporary-use spare tyre must be used, otherwise your vehicle could be damaged or involved in an accident.

⚠️ CAUTION

- The T-type spare tyre should be used only in emergencies. It should be replaced by the standard tyre at the first opportunity.
- Drive carefully while the T-type spare tyre is installed.
- Avoid driving sharp turns and abrupt braking.
- Periodically check the T-type spare tyre inflation pressure, and always keep it at 420 kPa (4.2 bar, 60 psi).
- Do not drive your vehicle faster than 80 km/h (50 MPH).
- Do not use a snow chain on a T-type spare tyre because it will not fit properly. This could cause damage to the vehicle.

- Tyre tread of the T-type spare tyre will wear at a faster rate than the original tyre. Replace the T-type spare tyre as soon as the tread wear indicators appear.
- The T-type spare tyre is smaller than the original tyre, ground clearance is reduced. To avoid damage to the vehicle do not drive over obstacles. Also do not drive the vehicle through an automatic car wash since it may get caught.
- Do not use the T-type spare tyre on other vehicles.
- The vehicle must not be driven with more than one T-type spare tyre at the same time.

EMERGENCY TYRE PUNCTURE REPAIR KIT (where fitted)

The emergency tyre repair kit is supplied with the vehicle instead of a spare tyre. The kit must be used for temporarily fixing a minor tyre puncture. After using the repair kit, see a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer as soon as possible for tyre inspection and repair/replacement.

CAUTION

Do not use the emergency tyre repair kit under the following conditions. Call a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer or professional road assistance.

- when the sealant has passed its expiration date
- when the cut or the puncture is approximately 4 mm (0.16 in) or longer
- when the side of the tyre is damaged
- when the vehicle has been driven with a considerable loss of air from the tyre
- when the tyre is completely displaced inside or outside the rim
- when the tyre rim is damaged
- when two or more tyres are punctured

CARE OF WHEELS

For details, see  “Wheels” in the “7. Appearance and care” section.

NOTE

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RECOMMENDED FLUIDS/LUBRICANTS AND CAPACITIES

The following are approximate capacities. The actual refill capacities may be slightly different. When refilling, follow the procedure that is described 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	
Cooling system coolant				
With reservoir	5.3 L	5-1/2 qt	4-5/8 qt	Genuine NISSAN Coolant or equivalent in its quality Use Genuine NISSAN Coolant, or equivalent in its quality, in order to avoid possible aluminium corrosion within the cooling system caused by the use of non-genuine coolant.
Reservoir	0.5 L	1/2 qt	1/2 qt	Note that any repairs for the incidents within the cooling system while using non-genuine coolant may not be covered by the warranty even if such incidents occurred during the warranty period.
Reduction gear fluid	1.4 L	1-1/2 qt	1-1/4 qt	Genuine NISSAN Matic S ATF Using reduction gear fluid other than Genuine NISSAN Matic S ATF will cause deterioration in driveability and reduction gear durability, and may damage the reduction gear, which is not covered by the warranty.
Brake fluid	Refill to the proper level according to the instructions in the "8. Maintenance and do-it-yourself" section.			Genuine NISSAN Brake Fluid or equivalent DOT 3 or DOT 4 Never mix different types of fluids (DOT3 and DOT4).
Multi-purpose grease	—	—	—	NLGI No. 2 (Lithium soap base)
Air conditioning system refrigerant	—	—	—	HFO-1234yf (R-1234yf) see  "Air conditioner and brake fluid specification labels" later in this section.
Air conditioning system lubricants	—	—	—	Compressor Oil ND-OIL11 or equivalent (Type A), AE10 or equivalent (Type B) see  "Air conditioner and brake fluid specification labels" later in this section.
Window washer fluid	2.5 L	2-3/4 qt	2-1/4 qt	Genuine NISSAN Windscreen Washer Concentrate Cleaner & Antifreeze or equivalent

AIR CONDITIONING SYSTEM REFRIGERANT AND LUBRICANT RECOMMENDATIONS

The air conditioning system in your NISSAN vehicle must be charged with the refrigerant, HFO-1234yf (R-1234yf), and compressor oil ND-OIL11 or equivalent (Type A) or AE10 or equivalent (Type B) see  "Air conditioner and brake fluid specification labels" later in this section.

CAUTION

The use of any other refrigerant or oil will cause severe damage to the air conditioning system and will require the replacement of all air conditioner system components.

The refrigerant in your NISSAN vehicle will not harm the earth's ozone layer. Although this refrigerant does not affect the earth's atmosphere, certain governmental regulations require the recovery and recycling of any refrigerant during automotive air conditioning system service. A knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer has the trained technicians and equipment needed to recover and recycle your air conditioning system refrigerant.

Contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer when servicing your air conditioning system.

SPECIFICATIONS

CHARGING SYSTEM

Rated input voltage	AC220V - AC240V (single phase)	
Rated input frequency	50Hz	
Maximum rated current	18A (or 30A (where fitted))	
Sensitive current of GFI (Ground Fault Interrupter) circuit breaker in NISSAN Genuine portable type EVSE (Electric Vehicle Supply Equipment)	15mA	
Charging modes/Type of connection	Mode 2/Case B (Normal charge with NISSAN Genuine portable type EVSE (Electric Vehicle Supply Equipment)) Mode 3/Case B/C (Normal charge with public charging stand, etc) Mode 4/Case C (Quick charge, Where fitted)	
Required installation (over current protection)	The methods of protection against over current and over voltage shall be in accordance with national codes. Suitable over current protection devices for the wiring of houses or buildings shall be installed.	
IP Degree	IP55 electric vehicle charging port in road position IP44:Connection of NISSAN Genuine portable type EVSE (Electric Vehicle Supply Equipment) and charge port during charging	
Operating temperature	Same as vehicle operating temperature	
Storage temperature	Same as vehicle storage temperature	
Altitude	Up to 3000m	
Applicable standard	EN61851-1:2011 EN61851-21:2002 IEC61851-1:2010 IEC61851-21:2001 IEC62752:2016	EN61000-6-1:2007 EN61000-6-2:2005 EN61000-6-3:2007 EN61000-6-4:2007 IEC62196-1:2011 IEC62196-2:2011 IEC62196-3:2011
Adaptors	Do not use an extension cable or electrical adaptor.	

MOTOR

Model	EM57
-------	------

WHEELS AND TYRES

Road wheel

Type	Size	Offset mm (in)
Aluminium	16 × 6 1/2J	40 (1.57)
	17 × 6 1/2J	45 (1.77)
Steel*	16 x 4T	40 (1.57)

*: Where fitted

Tyre

Type	Size
Conventional	205/55R16 91V
	215/50R17 91V*
Temporary use spare tyre*	T125/90D16 98M

*: Where fitted

DIMENSIONS

Unit: mm (in)

Overall length	4,445 (175.0)
Overall width	1,770 (69.7)
Overall height	1,550 (61.0)
Front tread	1,540 (60.6)
Rear tread	1,535 (60.4)
Wheelbase	2,700 (106.3)

WHEN TRAVELLING OR TRANSFERRING YOUR REGISTRATION TO ANOTHER COUNTRY

When planning to travel in another country, you should first find out if the charging equipment is compatible with that country's electrical system.

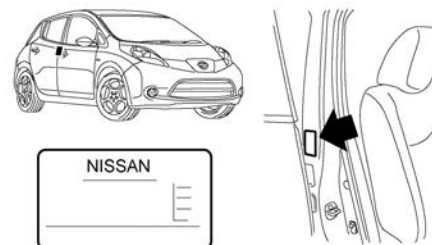
When transferring your vehicle registration to another country, it may be necessary to modify the vehicle to meet local laws and regulations.

The laws and regulations for motor vehicle safety standards vary according to the country, state, province or district; therefore, vehicle specifications may differ.

NISSAN is not responsible for any inconvenience when the vehicle is taken to and registered in another country. The necessary modifications, transportation and registration are the owner's responsibility.

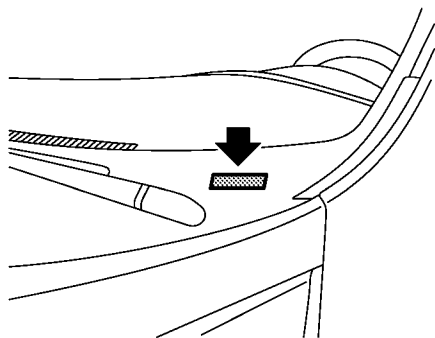
VEHICLE IDENTIFICATION

VEHICLE IDENTIFICATION PLATE



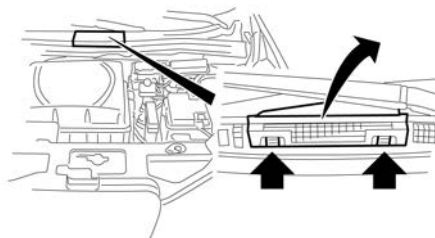
The plate is affixed as shown.

VEHICLE IDENTIFICATION NUMBER (VIN) PLATE



The vehicle identification number plate is attached as shown. This number is the identification of the vehicle and is used in the vehicle registration.

VEHICLE IDENTIFICATION NUMBER (CHASSIS NUMBER)



The vehicle identification number is located as shown.

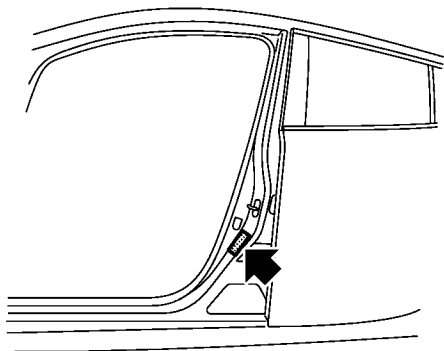
Remove the cover to access the number.

TRACTION MOTOR SERIAL NUMBER



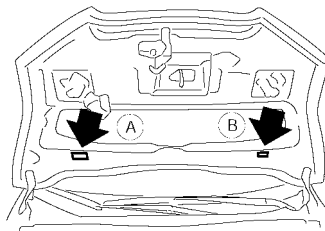
The serial number is stamped on the traction motor as shown.

TYRE PLACARD



The cold tyre pressure is shown on the tyre placard affixed to the driver's side centre pillar as shown.

AIR CONDITIONER AND BRAKE FLUID SPECIFICATION LABELS



The air conditioner specification label (A) and brake fluid specification label (B) are attached to the underside of the bonnet as shown in the illustration.

TRAILER TOWING

Your vehicle was designed to be used to carry passengers and luggage.

⚠ CAUTION

Do not tow a trailer with your vehicle.

FLAT TOWING

Towing your vehicle with all four wheels on the ground is sometimes called flat towing. This method is typically used when towing a vehicle behind a recreational vehicle, such as a motor home.

CAUTION

- Failure to follow these guidelines can result in severe reduction gear damage.
- DO NOT tow this vehicle with all four wheels on the ground (flat towing).
- For emergency towing procedures refer to  "Towing your vehicle" in the "6. In case of emergency" section of this manual.

INSTALLATION OF AN RF TRANSMITTER

For countries conforming to UN regulation No.10 or equivalent:

The installation of an RF transmitter in your vehicle could affect electric equipment systems. Be sure to check with your NISSAN dealer or qualified workshop for precautionary measures or special instructions regarding installation. Upon request, your NISSAN dealer or qualified workshop will provide the detailed information (frequency band, power, antenna position, installation guide, etc.) regarding installation.

RADIO APPROVAL NUMBER AND INFORMATION

NISSAN ANTI-THEFT SYSTEM (NATS) AND INTELLIGENT KEY SYSTEM



Hereby, ALPS ELECTRIC CO., LTD. declares that these Passive Entry System (Hand Unit); model TWB1G662, Passive Entry System (Tuner); model TWC1G154, ANT ASSY-IMMOBILISER; model TWK1A002 are in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

TYRE PRESSURE MONITORING SYSTEM (TPMS) TUNER (Receiver)

ALPS ELECTRIC CO., LTD.
שם המודל TWC1G154 TWK1A002
תוצרת יפן

Carasso Motors Ltd
Logistic Center - Park Re'em
P.O. Box 90 - 60860 Benei-Aish Israel

- א. השימוש במכשיר הינו על בסיס 'משני' ופטור מרשיון הפעלה אחרות.
כלומר - לא מוגן. מהפרעת וללא הפרעה למערכות אחרות הפועלות בדיו.
ב. רק 'בפעולת בוק' לשימוש עצמי של הלקוח בלבד, הציוד פטור מרשיון הפעלה אחרות.
ג. אסור לחתוך את האנטנה המקורית של המכשיר, ולא לעשות בו כל שינוי טכני אחר.

For Israel

⚠ CAUTION

- Do not expose to excessive heat such as sunshine, fire or the like.
- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

ALPS ALPS ELECTRIC CO., LTD. Engineering Headquarters
6-3-36, Nakazato, Furukawa, Osaka-city, Miyagi-pref, 989-0181, Japan
Phone +81 228-23-5111 Fax +81 228-23-5129

DECLARATION OF CONFORMITY

For



Product: TPMS TUNER CONT
Model: TWD1G791
Type: Receiver

Supplied by
ALPS ELECTRIC CO., LTD.
6-3-36, Nakazato, Furukawa, Osaka-city,
Miyagi-pref., JAPAN 989-0181

Technical Construction File held by
ALPS ELECTRIC CO., LTD.
6-3-36, Nakazato, Furukawa, Osaka-city,
Miyagi-pref., JAPAN 989-0181

Notified Body - R&TTE Directive N/A

Standard used for comply	
R&TTE Directive (Article 3.1(a) Safety)	EN 60965: 2002 + Amd.1: 2006 + Amd.11: 2008 + Amd.2: 2010 + Amd.12: 2011
R&TTE Directive (Article 3.1(b) EMC)	EN 301 488-1 V1.9.2:2011-09 EN 301 488-3 V1.4.1:2002-08
R&TTE Directive (Article 3.2 Spectrum)	EN 300 220-1 V2.4.1:2012-05 EN 300 220-2 V2.4.1:2012-05

Means of Conformity

We declare under our sole responsibility that the Product (s) is conformity with the essential requirements and other relevant requirements of the Radio and Telecommunication Terminal Equipment (R&TTE) Directive (1999/5/EC).

Date of issue: January 28, 2013

Signature of Responsible Person:

Toru Kinoshita
Group Manager
GROUP 2 ENGINEERING DEPT. MS

ALPS ELECTRIC CO., LTD.
שם המודל TWC1G154 TWK1A002
תוצרת יפן

Carasso Motors Ltd
Logistic Center - Park Re'em
P.O. Box 90 - 60860 Benei-Aish Israel

- א. השימוש במכשיר היינו על בסיס 'משני' ופטור מרשיון הפעלה אחרות.
ב. רק 'בפעולת בוק' לשימוש עצמי של הלקוח בלבד, הציוד פטור מרשיון הפעלה אחרות.
ג. אסור לחתוך את האנטנה המקורית של המכשיר, ולא לעשות בו כל שינוי טכני אחר.

For Israel

Hereby, ALPS ELECTRIC CO., LTD., declares that this TWD1G791 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC

TYRE PRESSURE MONITORING SYSTEM (TPMS) (Transmitter)

Hereby, PACIFIC INDUSTRIAL CO.,LTD.,
declares that this PMV-CA14 is in compliance
with the essential requirements and other rel-
evant provisions of Directive 1999/5/EC

PACIFIC INDUSTRIAL CO. LTD.

Pacific Industrial Co., Ltd.
GODO-CHO, ANPACHI, Gifu, 503-2397 JAPAN
Tel : +81-564-28-5127 Fax : +81-564-28-8130

DECLARATION of CONFORMITY

For

CE0891

Product: Tire Pressure Monitoring
System Transmitter
Model: PMV-CA14

Supplied by
PACIFIC INDUSTRIAL CO., LTD.
1300-1, GODO-CHO, ANPACHI-GUN,
GIFU, 503-2397 JAPAN

Technical Construction File held by
PACIFIC INDUSTRIAL CO., LTD.
1300-1, GODO-CHO, ANPACHI-GUN,
GIFU, 503-2397 JAPAN

Notified Body - R&TTE Directive

TRaC Global
100 Frohisher Business Park, Leigh Sutton
Road, Malvern, Worcestershire WR14
1BX

R&TTE Directive
(Article 3.1(a) Safety)

Standard used for comply
EN 60955: 2002 + Amd.1: 2006 + Amd.11: 2008 +
Amd.2: 2010 + Amd.12: 2011

R&TTE Directive
(Article 3.1(b) EMC)

EN 301 489-1 V1.9.2: 2011-09
EN 301 489-3 V1.4.1: 2002-08

R&TTE Directive
(Article 3.2 Spectrum)

EN 300 220-1 V2.4.1: 2012-05
EN 300 220-2 V2.4.1: 2012-05

Means of Conformity

We declare under our sole responsibility that the Product (s) is conformity with the
essential requirements and other relevant requirements of the
Radio and Telecommunication Terminal Equipment (R&TTE) Directive (1999/5/EC).

Date of issue: December 11, 2012

Signature of Responsible Person:



Takashi Iwaka
Engineering Department

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COLD TYRE PRESSURES

The label is typically located on the driver's side centre pillar or on the driver's door. For additional information, see  "Wheels and tyres" in the "9. Maintenance and do-it-yourself" section.

ENVIRONMENT (End of Life Vehicles)



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 area of operations.

COMPLIANCE AT EVERY STEP

NISSAN focuses on ensuring that end of life vehicle components are reused, recycled or recovered as thermal energy, and guarantees compliance with EU legislation (the End of Life Vehicle Directive).

WE BUILD OUR VEHICLES WITH RECYCLING IN MIND

Reducing landfill waste, emissions, conserving natural resources, and enhancing recycling activities are emphasised daily in our manufacturing, sales and service operations and in the disposal of end of life vehicles (ELV).

Design phase

To reduce environmental impact we have developed your NISSAN vehicle to be 95% recyclable. We mark the components to facilitate dismantling, recycling and to reduce hazardous substances. We carefully verify and control substances of concern. We have al-

ready 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.

Recycling

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 knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer or consult: www.nissan-europe.com. For information about the recycling or disposal of the Li-ion battery contact a knowledgeable LEAF repairer such as a NISSAN certified electric vehicle dealer.

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 siedzeniem chronionymi AKTYWNA PODUSZKA POWIETRZNA. Może to doprowadzić do POWAŻNYCH OBRAŻEŃ lub nawet ŚMIERCI DZIECKA.

NIKDY nepoužívejte dětskou sedačku směrující dozadu na sedadle s AKTIVNÍM čelním AIRBAGEM, mohlo by dojít k USMRČENÍ 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 TURVATYYN. Seurauksena voi olla KUOLEMA tai LAPSEN VAKAVA LOUKKAANTUMINEN.

Brug ALDRIG et bagudvendt barnesæde på et sæde, der er beskyttet af en AKTIV AIRBAG foran det. Det kan resultere i DØD eller ALVORLIG PERSONSKADE på BARNET.



NEMOJTE upotrebljavati sjedalicu za djecu okrenutu prema natrag na sjedalu ispred kojega se nalazi zaštićeni AKTIVNI ZRAČNI JASTUK, može doći do SMRTONOSNIH ili OZBILJNIH OZLJEDA za DIJETE.

NIKOLI ne namestite otroškega sedeža, obrnjenega v nasprotni smeri smeri vožnje, v primeru VKLOPLJENE varnostne blazine. To lahko povzroči OTROKOVO SMRT ali HUDE TELESNE POŠKODBE.

Никогда не устанавливайте обращенное назад детское удерживающее сиденье на переднем пассажирском сиденье при неотключенной подушке безопасности. Это может привести к смерти ребенка или к тяжелым повреждениям.

NIKDY nepoužívajte detskú sedačku smerujúcu dozadu na sedadle s AKTÍVNYM čelným AIRBAGOM, mohlo by prísť k USMRTENIU alebo VÁŽNEMU ZRANENIU DIEŤAŤA.

ÄRGE kasutage seljaga sõidusuunas laste turvatooli istmel, mille ees on AKTIIVNE TURVAPADI. LAPS võib saada TÕSISE KEHAVIGASTUSE või HUKKUDA.

NEIEVIETOJIEŲ ar skatu pretėji braukšanas virzienam vērstu bērnu sēdekliņi šajā sēdekļi, ja tā priekšā uzstādītais GAISA SPILVENS ir AKTIVIZĒTS, – tas BĒRĒM 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.

NEKADA nevežkite vaikų prie automobilio sėdynės atvirkščiai judėjimo kryptiai pritvirtintoje specialioje kėdutėje, jeigu ši sėdynė apsaugota VEIKIANČIA SAUGOS PAGALVE, nes VAIKUI kyla MIRTINAS ar SUNKAUS SUŽEIDIMO pavojus.

Ніколи не встановлюйте дитяче крісло спинкою вперед на сидінні, передня ПОДУШКА БЕЗПЕКИ якого не заблокована. Ризик ЗАГИБЕЛІ або ТЯЖКИХ ТРАВМ дитини.

„Никога на използвайте детско столче за автомобил, монтирано с гръб към движението, на седалка оборудвана с предпазна въздушна възглавница пред нея. Съществува риск за живота или сериозно нараняване на детето!“

يحذر نهائياً تثبيت مقعد الطفل بشكل عكسي على القعد المحمي بوسادة هوائية نشطة أمام مقعد الطفل، فمن الممكن أن يتسبب ذلك في وفاة الطفل أو إصابته بجروح خطيرة

ALDREI má nota festingar sem snúa afturábak á sæti sem varið er með ACTIVE AIRBAG að framan. Það getur valdið DAUÐA eða ALVARLEGUM MEIÐSLUM á BARNINU.

Na sedež, ki je spredaj zaščiten z ZRAČNO BLAZINO, NIKOLI ne namestite otroškega sedeža tako, da otrok gleda nazaj: nevarnost SMRTI ali RESNE TELESNE POŠKODBE OTROKA

هرگز از 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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- How to start the electric vehicle system ... 5-2
- How to read the meters and gauges ... 2-8
- Maintenance and do-it-yourself ... 8-2
- Technical information ... 9-2

SECURITY INFORMATION

As owner of this vehicle important codes have been supplied to you that may be required by your NISSAN dealer to duplicate keys or repair the radio.

Please fill in the allocated areas or attach sticker(s) if available. Remove this page and keep it in a safe place, **not in the vehicle**.

When selling your vehicle, we kindly request you to hand over this page to the buyer.



SECURITY INFORMATION

Radio security code
(where fitted)

--	--	--	--

Key number

--	--	--	--	--

Wheel lock key code
(where fitted)

--	--	--	--	--	--	--	--

Remove this page from the manual and keep it in a safe place, **not in the vehicle**.

When selling your vehicle, we kindly request you to hand over this page to the buyer.

