



2026 ROGUE PLUG-IN HYBRID

OWNER'S MANUAL
and MAINTENANCE INFORMATION

For your safety, read carefully and keep in this vehicle.

Owner's Manual Supplement

The information contained within this supplement revises or adds to the following sections within the 2026 NISSAN Rogue Plug-in Hybrid Owner's Manual.

- "Tire equipment" section of the "Cold weather driving" section of the "Starting and driving" section.
- "Tire chains" section of the "Tires" section of the "Do-it-yourself" section.

Read carefully and keep in vehicle.

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Cold weather driving

Tire equipment

SUMMER tires have a tread designed to provide superior performance on dry pavement. However, the performance of these tires will be substantially reduced in snowy and icy conditions. If you operate your vehicle on snowy or icy roads, NISSAN recommends the use of MUD & SNOW or ALL SEASON tires on all four wheels. It is recommended you consult a Nissan Electric Vehicle certified dealer for the tire type, size, speed rating and availability information.

For additional traction on icy roads, studded tires may be used. However, some U.S. states and Canadian provinces prohibit their use. Check local, state and provincial laws before installing studded tires.

Skid and traction capabilities of studded snow tires, on wet or dry surfaces, may be poorer

than that of non-studded snow tires.

Tire chains cannot be used on your vehicle. For details, see "Tire chains" on page 572 of this manual.

If you install snow tires, they must also be the same size, brand, construction and tread pattern on all four wheels.

WARNING

Tire chains cannot be used on your vehicle. Using tire chains can damage the brakes, suspension, or other vehicle components resulting in a crash that could cause serious injury or death.

Tires

Tire chains

WARNING

Tire chains cannot be used on your vehicle. Using tire chains can damage the brakes, suspension, or other vehicle components resulting in a crash that could cause serious injury or death.

CALIFORNIA PROPOSITION 65 WARNING

WARNING

Operating, servicing and maintaining a passenger vehicle or off-highway motor vehicle can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your vehicle. For more information go to www.P65Warnings.ca.gov/passenger-vehicle.

Foreword

Basic information

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. The "Maintenance and schedules" section of this manual explains details about maintaining and servicing your vehicle. Additionally, a separate Customer Care and Lemon Law Information Booklet (U.S. only) will explain how to resolve concerns you may have with your vehicle, as well as reference your rights under applicable law.

When you require any service or have any questions, a Nissan Electric Vehicle certified dealer

will be glad to assist you with the extensive resources available to them.

In addition to factory installed options, your vehicle may also be equipped with additional accessories installed by NISSAN or by your Nissan Electric Vehicle certified dealer prior to delivery. It is important that you familiarize yourself with all disclosures, warnings, cautions and instructions concerning proper use of such accessories prior to operating the vehicle and/or accessory. It is recommended you see a Nissan Electric Vehicle certified dealer for details concerning the particular accessories with which your vehicle is equipped. Your Nissan Electric Vehicle certified 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.

WARNING

- **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.

On-pavement and off-road driving

This vehicle will handle and maneuver differently from an ordinary passenger car because it has a higher center of gravity. As with other vehicles with features of this type, failure to operate this vehicle correctly may result in loss of control or an accident. Be sure to read "Avoiding collision and rollover" and "Driving safety precautions" in the "Starting and driving" section of this manual.

WARNING

● **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.

If modification of an advanced front air bag system is necessary to accommodate a person with disabilities, consult the contact information provided below before making any changes.

For U.S. customers:
<https://www.nissanmobilityassist.com>

For Canadian customers:
See the NISSAN CUSTOMER CARE PROGRAM page in this Owner's Manual for contact information.

WARNING

- Installing an aftermarket On-Board Diagnostic (OBD) plug-in device that uses the port during normal driving, for example remote insurance company monitoring, remote vehicle diagnostics, telematics or engine reprogramming, may cause interference or damage to vehicle systems. We do not recommend or endorse the use of any aftermarket OBD plug-in devices, unless specifically approved by NISSAN. The vehicle warranty may not cover damage caused by any aftermarket plug-in device.

When reading the manual

This manual includes information for all features and equipment available on this model. Features and equipment in your vehicle may vary depending on model, trim level, options selected, order, date of produc-

tion, region or availability. Therefore, you may find information about features or equipment that are not included or installed on 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, performance, design or component suppliers without notice and without obligation. From time to time, NISSAN may update or revise this manual to provide Owners with the most accurate information currently available. Please carefully read and retain with this manual all revision updates sent to you by NISSAN to ensure you have access to accurate and up-to-date information regarding your vehicle. Current versions of vehicle Owner's Manuals and any updates can also be found in the Owner section of the NISSAN website at <https://owners.nissanusa.com/nowners/navigation/manualsGuide>. If you have questions concerning any

information in your Owner's Manual, contact NISSAN Consumer Affairs. See the NISSAN CUSTOMER CARE PROGRAM page in this Owner's Manual for contact information.

Important information about this manual

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

WARNING

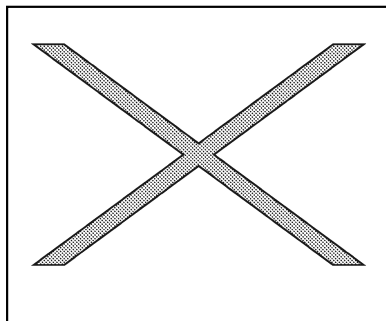
This is used to indicate the presence of a hazard that could cause death or serious personal injury. To avoid or reduce the risk, the procedures must be followed precisely.

CAUTION

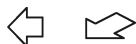
This is used to indicate the presence of a hazard that could cause minor or moderate personal injury or damage to your vehicle. To avoid or reduce the risk, the procedures must be followed carefully.

NOTE

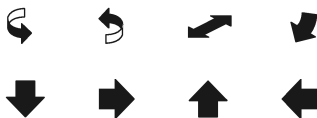
This is used to give helpful information.



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, action, or call attention to an item in the illustration.

California perchlorate advisory

Some vehicle parts, such as lithium batteries, may contain perchlorate material. The following advisory is provided: "Perchlorate Material - special handling may apply, see www.dtsc.ca.gov/hazardouswaste/perchlorate."

QR code

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Nissan customer care program

NISSAN CARES ...

Both NISSAN and your Nissan Electric Vehicle certified dealer are dedicated to serving all your automotive needs. Your satisfaction with your vehicle and your Nissan Electric Vehicle certified dealer are our primary concerns. Your Nissan Electric Vehicle certified dealer is always available to assist you with all your automobile sales and service needs.

However, if there is something that your Nissan Electric Vehicle certified dealer cannot assist you with or you would like to provide NISSAN directly with comments or questions, please contact the NISSAN Consumer Affairs Department using our toll-free number:

For U.S. customers

**1-800-NISSAN-1
(1-800-647-7261)**

For Canadian customers

1-800-387-0122

The Consumer Affairs Department will ask for the following information:

- Your name, address, and telephone number
- Vehicle identification number (attached to the top of the instrument panel on the driver's side)
- Date of purchase
- Current odometer reading

- Your Nissan Electric Vehicle certified dealer's name
- Your comments or questions

OR

You can write to NISSAN with the information at:

For U.S. customers

**Nissan North America, Inc.
Consumer Affairs Department
P.O. Box 685003
Franklin, TN 37068-5003
or via e-mail at:
nnaconsumeraffairs@nissan-usa.com**

For Canadian customers

**Nissan Canada Inc.
5290 Orbitor Drive
Mississauga, Ontario L4W 4Z5
or via e-mail at:
information.centre@nissan-canada.com**

If you prefer, visit us at:

www.nissanusa.com (for U.S. customers)

or

www.nissan.ca (for Canadian customers)

We appreciate your interest in NISSAN and thank you for buying a quality NISSAN vehicle.

NISSAN software license

- Your vehicle includes physical parts and/or physical components of such parts on which software and/or firmware ("Software") is embedded or installed. Additionally, updates to Software may be made available by NISSAN for download and installation by owners from time to time as determined by NISSAN in its sole discretion. Such Software, and all updates thereto, including updates delivered by NISSAN to your vehicle over the air (collectively "Updates"), are licensed, and not sold, to you. A portion of the Software may contain or consist of open source software, which may be used under the terms and conditions of the specific license under which the open source software is distributed. For other Software, including Software for which there is no separate license agreement between you and the manufacturer or owner of the Software, the terms and conditions governing your right to use and the use of the installed Software, including any Updates, applications, services, and content provided for or through the Software, are set forth in the End User License Agreement found at:

For U.S. customers — <https://www.nissanusa.com/owners/ownership>

For Canadian customers — <https://www.nissan.ca/owners/owner-support.html>

Your use of the Software, including any Updates, constitutes consent to the End User License Agreement's terms and conditions.

- PLEASE NOTE: The End User License Agreement contains an arbitration clause. You may opt out of this arbitration clause within 30 days of the date of your vehicle purchase by sending a signed, written notice to NISSAN at the following address:

For U.S. customers
Nissan North America, Inc.
Consumer Affairs Department
P.O. Box 685003
Franklin, TN 37068-5003

For Canadian customers
Nissan Canada Inc.
Consumer Affairs Department
5290 Orbitor Drive
Mississauga, Ontario L4W 4Z5

- Please refer to “Updating system software” in the 7. Information section or “Software Update” in the 3. Getting Started section of the NissanConnect® Owner's Manual for information about installing Over-the-Air Updates. For questions or assistance concerning installation of any over-the-air Update, you may contact NISSAN Owner Services at 1-800-333-0207 for U.S. customers, or for Canadian customers NISSAN Consumer Affairs at consumeraffairs@nissancanada.com. You may also choose to visit a Nissan Electric Vehicle certified dealer for assistance - charges may apply.

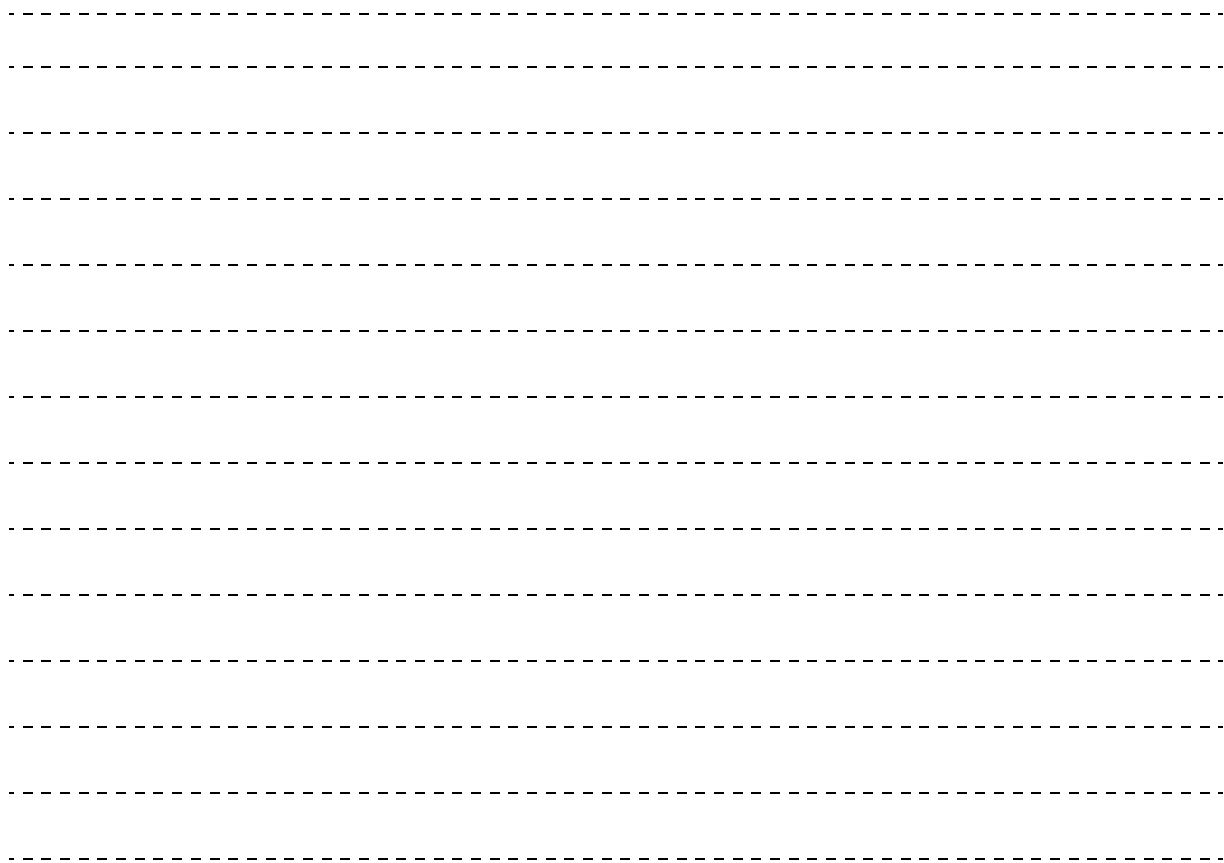
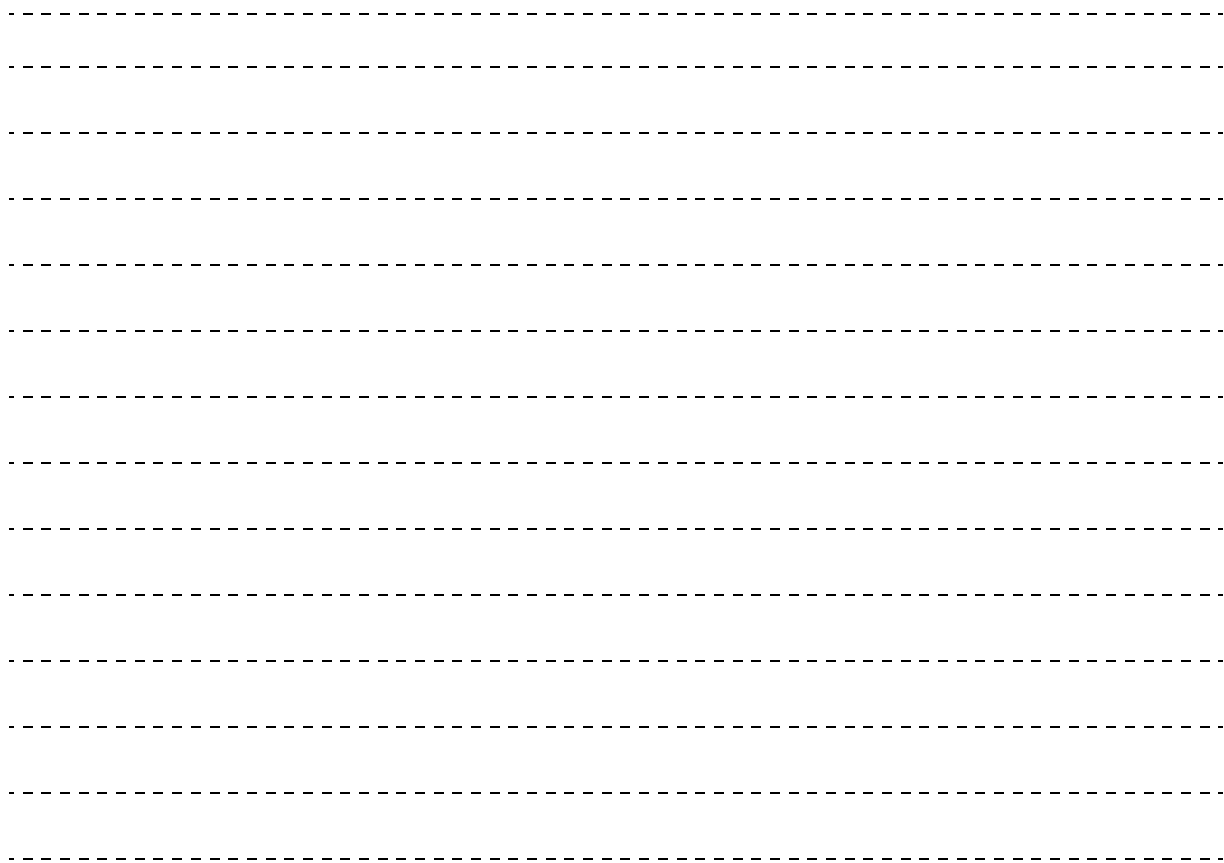


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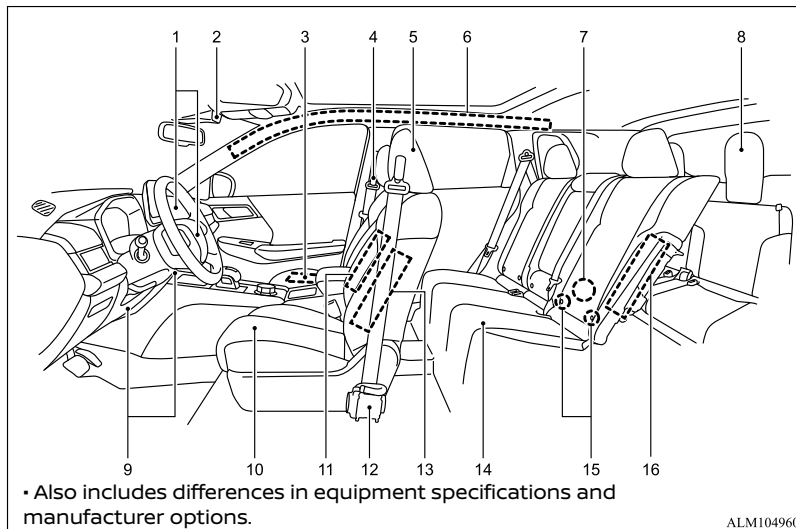


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Seats, seat belts and Supplemental Restraint System (SRS)

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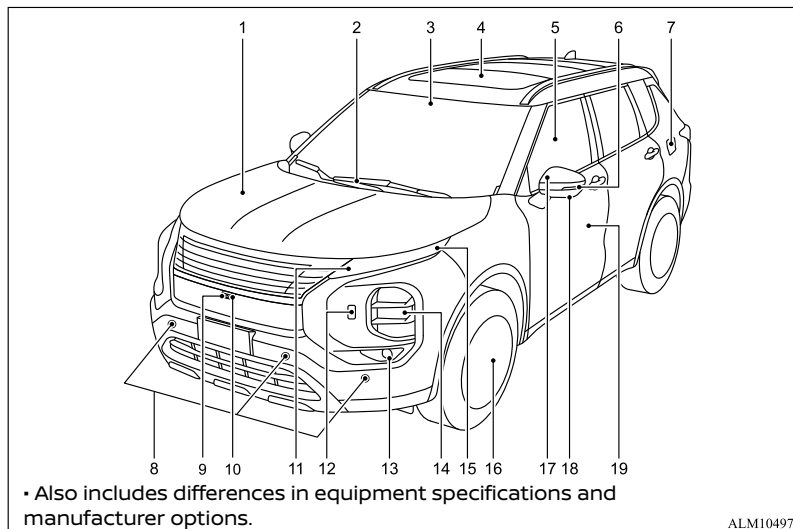


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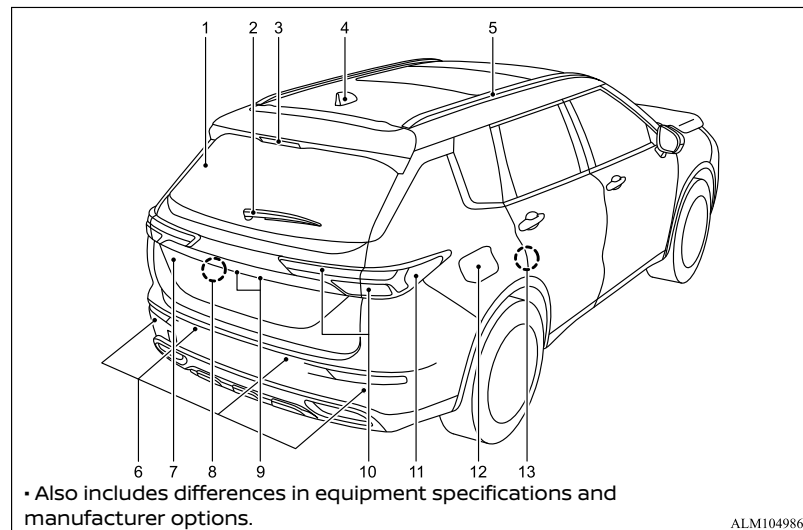
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N07000300099

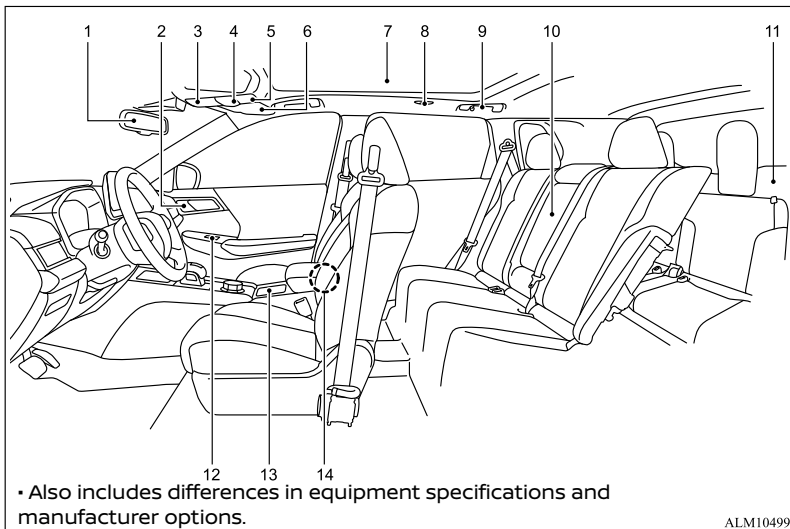


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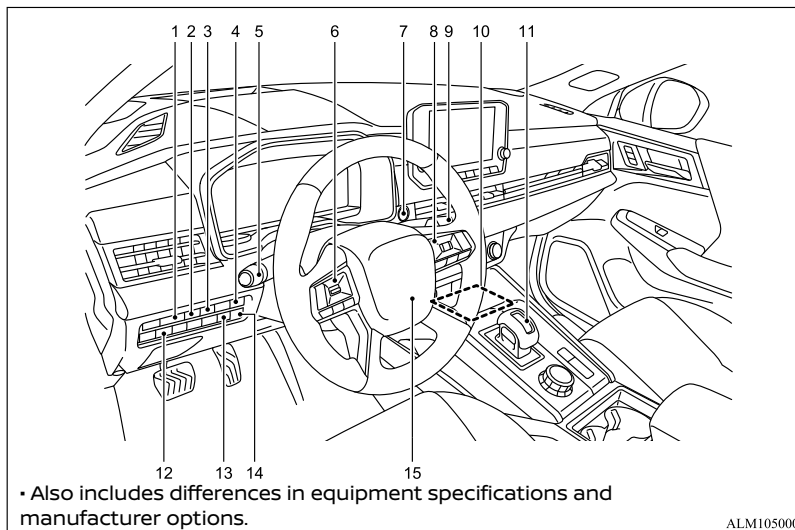
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*: Refer to the separate Nissan-
Connect® Owner's Manual

Cockpit

N07000500105



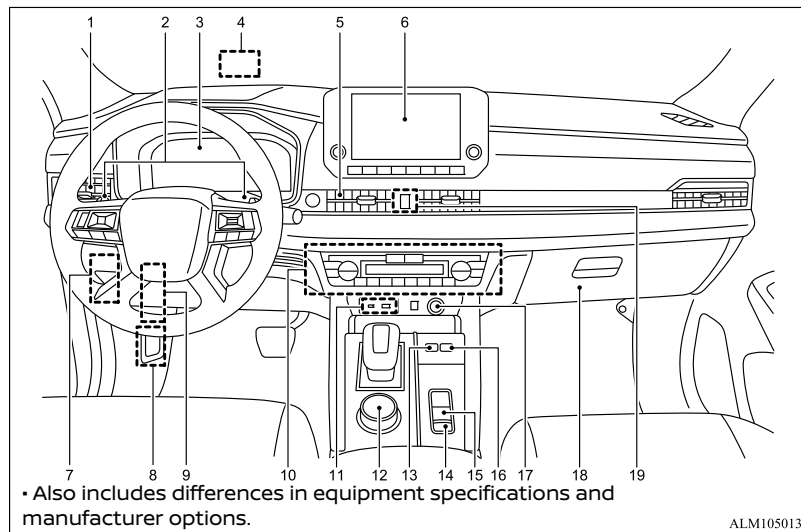
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*: Refer to the separate Nissan-Connect® Owner's Manual.

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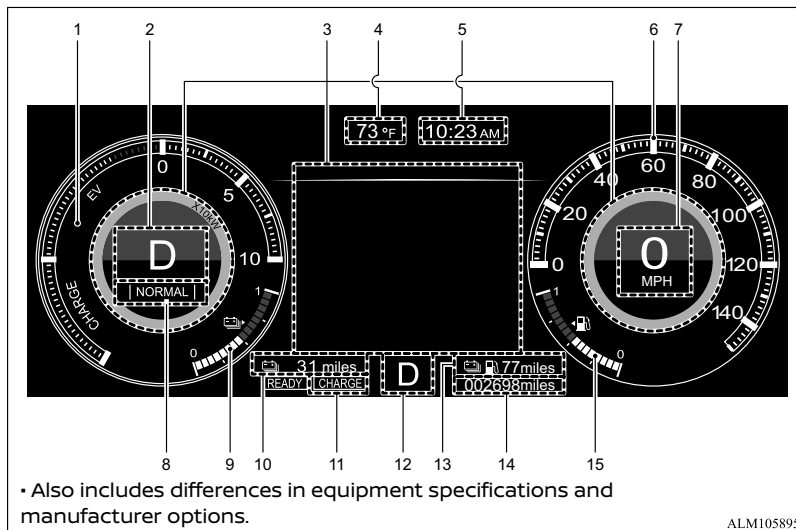
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*: Refer to the separate Nissan-
Connect® Owner's Manual.

Meters and gauges

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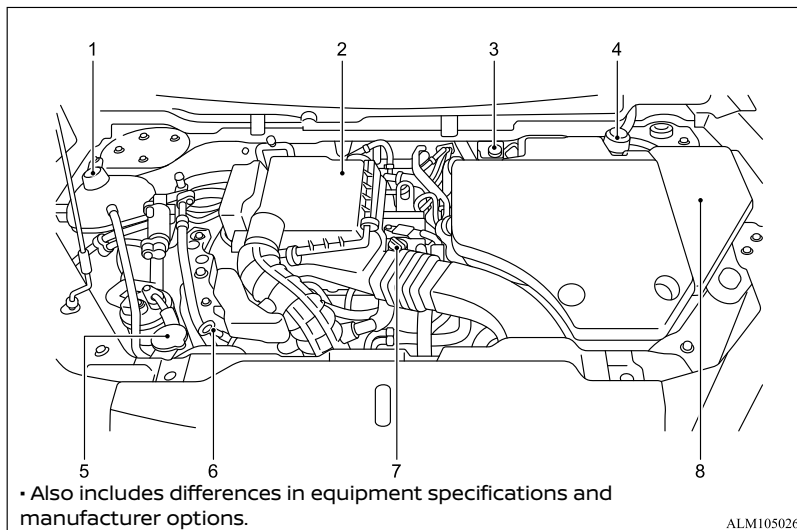
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10. EV cruising range (P.155)
11. EV mode indicator (P.159)
12. Shift lever position indicator (P.159)
13. Total cruising range (P.155)
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Engine compartment

N07000800052



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Warning and indicator lights

NO7000900082

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	Electronic parking brake warning light	161
	Engine oil pressure warning light	161
	Hands OFF warning light	161
	Master warning light (red)	161
	Seat belt warning light	161

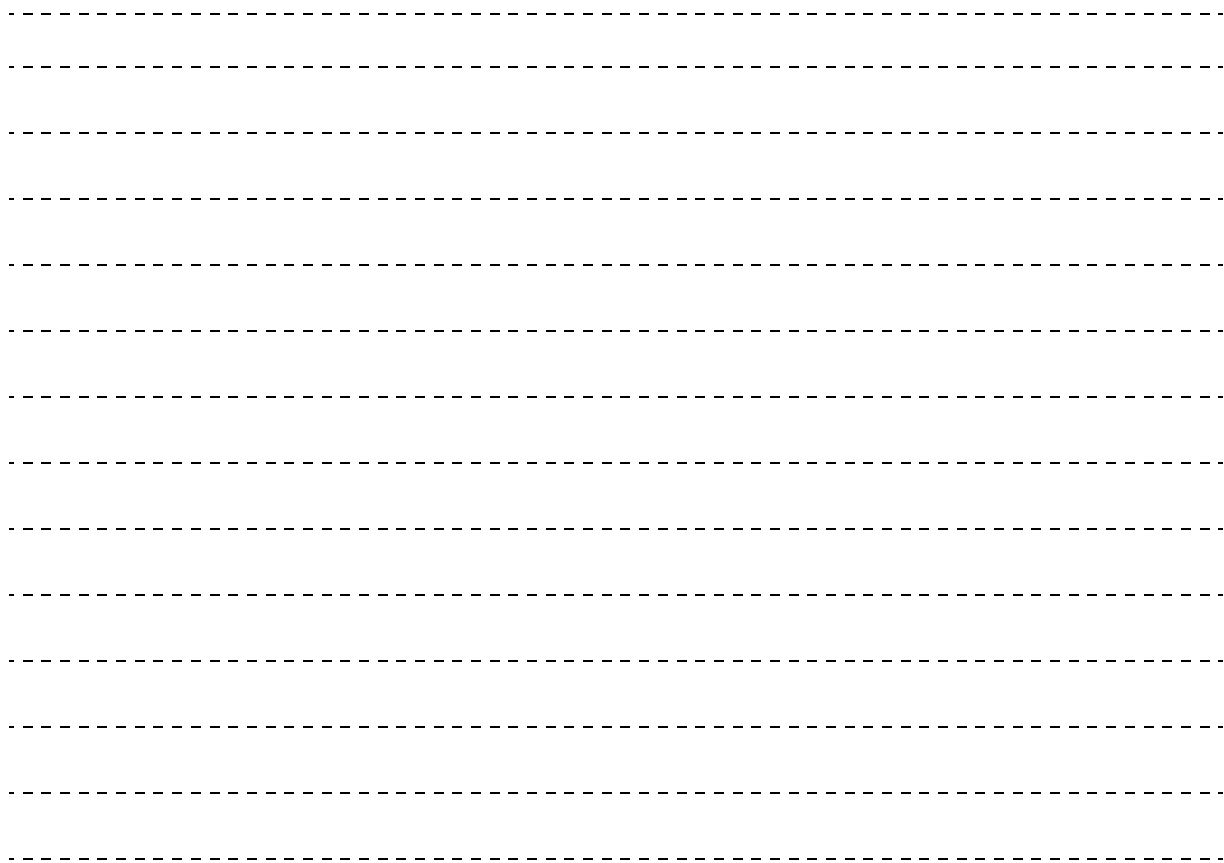
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Plug-in Hybrid System

N07100100030

Main features

The vehicle operates as an electric vehicle in the EV drive mode using the electrical power stored in the Li-ion battery^{*1}, according to the remaining amount of the Li-ion battery. Once the battery charge is depleted, the vehicle automatically can switch^{*2} to either for driving in series hybrid mode or parallel hybrid mode using engine power from EV drive mode according to the driving condition or if the charging level of the Li-ion battery is decreased.

^{*1}: If there is a remaining amount in the Li-ion battery, it is actively driven in the EV drive mode.

The cruising range varies depending on the remaining charge in the Li-ion battery, vehicle speed, and air conditioner operating conditions.

^{*2}: You can adjust the timing to switch to the EV drive mode by using the SAVE mode.

Refer to "EV mode selector switch" on page 370.

- When the Li-ion battery temperature is extremely low (less than -22°F (-30°C)), Plug-in Hybrid System cannot start. After the outside temperature has risen, restart the Plug-in Hybrid System.
- With the high performance motor, noise and vibration during driving is minimized limited and powerful acceleration can also be obtained.
- With the regenerative brake, the Li-ion battery is automatically charged when the accelerator is released.

- Your vehicle comes standard with a charge port and charging cable (EVSE (Electric Vehicle Supply Equipment)) that uses a household outlet (AC 120 V) as a charging source.
- You may also charge your vehicle using a ROGUE compatible 240 V charging device (EVSE: Electric Vehicle Supply Equipment).

EV drive mode

- The vehicle is driven by the motors only using electrical power stored in the Li-ion battery. However, EV drive mode is canceled depending on the Li-ion battery level, vehicle speed, and air conditioner operating conditions. Pay attention to the following points:
 - Check the EV cruising range in the information screen. Refer to "EV cruising range display/Total cruising range display" on page 155.

- Drive your vehicle at moderate speeds avoiding quick acceleration/deceleration.

Repeated quick acceleration/deceleration causes the Li-ion battery level to decrease quickly, which extremely reduces the EV cruising range.

- If you want to drive the vehicle without starting the engine as much as possible, make the switch to the EV priority mode by pressing the EV mode switch. Refer to “EV mode selector switch” on page 370.

Series hybrid mode

- The vehicle is driven by the motors only using the electricity generated by the engine. This mode is used when the Li-ion battery level is low, at quick acceleration, or when power is required like climbing uphill.

Parallel hybrid mode

- The vehicle is driven by the power of the engine, assisted by motors. This mode is used during high-speed driving with better engine efficiency.

The roles of the motors and engine in each drive mode

	Motor	Engine
EV Drive Mode	Drives the vehicle	OFF
Series Hybrid Mode	Drives the vehicle	Generates electricity
Parallel Hybrid Mode	Drives the vehicle	Drives front wheels and generates electricity

Regenerative braking

Motion energy is converted into electric energy using the motor

as a power generator. Then a braking force generates and converted electric energy will be charged to the Li-ion battery.

Plug-in Hybrid System

- If you lift your foot off the accelerator pedal during driving, a braking force that is designed equivalent to engine braking of a combustion engine vehicle will be generated. Also, if you shift the select position into "B" (Regenerative Brake) from "D" (Drive), effectiveness of the regenerative braking is getting strong. Shift the shift lever into "B" (Regenerative Brake) position according to the driving condition.
- When you depress the brake pedal, the regenerative braking force may be increased.
- If a problem occurs in the Plug-in hybrid system, or if the ABS and/or the VDC have been activated, the regenerative braking will be restricted. The foot brake will still operate.
- When stronger regenerative braking is generated, the stop lights will illuminate even when the brake pedal is not depressed.
- Less deceleration is provided by the regenerative brake system when the Li-ion battery is charged to the limit. Regenerative brake is automatically reduced when the Li-ion battery is charged to the limit to prevent the Li-ion battery from becoming overcharged. Regenerating brake is also automatically reduced when the battery temperature is high/low to prevent Li-ion battery damage.

Operation of gasoline engine

NO7100200031

- Even when the vehicle is driving in EV drive mode, it may be automatically changed to series hybrid mode or parallel hybrid mode in the following cases:
 - The Plug-in Hybrid system is too hot or too cold.
 - Quick acceleration is applied.

- The air conditioner is operating.
- The accelerator pedal is depressed hard on an uphill road or expressway.
- In cold weather
- The vehicle has not been refueled for a long time.
- The Li-ion battery level is low.
- When the select position "B" is selected with the shift lever or paddle shift (to generate deceleration).
- When the SAVE mode or CHARGE mode is selected.

In addition to the above, there are more cases where EV drive mode is automatically changed to series or parallel hybrid mode.

- Even while the vehicle is stopped, the engine may automatically be started in the following cases:
 - The Li-ion battery level is low.
 - The Plug-in Hybrid system is too hot or too cold.
 - The air conditioner is used.

- The vehicle has not been used for a long time.
- The engine has not been operated for a long time.
- The refueling has not been performed for a long time.
- When the SAVE mode or CHARGE mode is selected.

NOTE

Depending on usage of the vehicle, the engine may not start for a long period of time and unused fuel will remain in the fuel tank.

Fuel can deteriorate over time, which can adversely affect the engine and/or the fuel system.

If the vehicle is not refueled with more than 5.3 gal (20 liters) at least once every 3 months, the engine will automatically start, while the READY to drive indicator light is illuminated, to help prevent deterioration of the fuel. At that time, charging of the Li-ion battery will start and the battery charge mode display will appear on the information screen in the vehicle information display. The charging will stop, however, before the Li-ion battery is fully charged.

NOTE

The engine may also start even while the EV drive mode is selected or the vehicle is stationary.

To stop the engine from starting automatically when the vehicle is operated on the Li-ion battery power only for a long time, start the engine and drive the vehicle enough to reduce the fuel level to approximately half tank.

Refill the fuel tank with at least 5.3 gal (20 liters) of unleaded gasoline.

If the shift lever position "B" (Regenerative Brake) is selected when the Li-ion battery is more than half charge, or when it becomes hot or cold, the engine is driven by the generator to consume regenerative power and support regenerative braking. At this time, the EV priority mode is canceled. When the shift lever position is switched to "D" (Drive), the engine will stop and the EV priority mode can be selected again.

Refueling (gasoline)

NO7100300058

CAUTION

- If the warning display appears, refuel immediately.
If the vehicle runs out of fuel, the engine will not start even if generated electricity is required and the following conditions will occur.
- The driving performance falls (since only the electrical power stored in the Li-ion battery can be used for the driving).
- The heating performance cannot be available (except vehicles with heat pump).
- The effectiveness of the heater is insufficient (vehicles with heat pump).
- The catalytic converter may be damaged due to excessive high temperature.
Refer to "Filling the fuel tank" on page 38.
Refer to "Fuel gauge" on page 158.

CAUTION

- The fuel in the fuel tank may not be consumed and it may stagnate for a long time depending on the use situation of the vehicle, the quality of fuel may change, and it may have a bad influence on the engine or the parts of a fuel system. Observe the following instructions for prevention.
- Start the engine more than once every 3 months by activating the CHARGE mode. Refer to "EV mode selector switch" on page 370.
- Refill the fuel more than 5.3 gal (20 liters) at once within 3 months. If the fuel remaining display will be below half, you can refill the fuel more than 5.3 gal (20 liters) certainly. Refer to "Fuel gauge" on page 158.

Li-ion battery

N07100400033

WARNING

- **A sealed lithium ion high voltage battery (Li-ion battery) is adopted for ROGUE. 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.**
- **Never attempt to use the Li-ion battery for any other purpose.**

This vehicle uses two types of batteries. One is the 12-volt battery that is the same as the battery in vehicles powered by gasoline engine, 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 windshield 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 Li-ion battery has the following characteristics.

Please read this carefully paying attention to the following:

Characteristics

- Compact, light-weight lithium ion battery with high energy density is used for the Li-ion battery.

- The same as ordinary lithium-ion batteries, the battery capacity of the Li-ion battery gradually reduces with time. As the Li-ion battery capacity decreases, the initial EV cruising range and the vehicle performance will similarly decrease. Depending on the usage conditions, such as frequent quick acceleration/deceleration, extremely hot weather, storing the vehicle in high ambient temperatures, etc., the rate of battery capacity drop will increase.
- The performance may be changed due to the ambient temperature. At low ambient temperature, in particular, the EV cruising range is short and the charging time is long, compared to operation at normal temperature. Also, charging may be stopped before complete charging.
- Even if the Li-ion battery level is near full charge, the engine will start more frequently as the outside temperature decreases. In addition, the lower the temperature, the lower the output of the Li-ion battery, which may cause significant vibration when the engine is started.
- Because the engine starts frequently, the fuel consumption will increase.
- The battery is gradually discharged without use and the battery charge is lowered
- It is not necessary to consume the battery completely before charging.

Precautions for operation

- If your vehicle is not used for a long time, check the energy level gauge every 3 months.

If the energy level gauge shows 0, charge the battery until some indication appears. Alternatively, start the Plug-in Hybrid System.

The engine will then automatically start to charge the Li-ion battery.

Wait until the engine automatically stops, then put the operation mode of the push-button power switch in OFF.

- NISSAN covers Li-ion batteries. If you scrap your vehicle, it is recommended to consult a Nissan Electric Vehicle certified dealer.

EV cruising range

NO7100500034

- Even if the charge level is the same, the EV cruising range may vary depending on driving conditions. Since driving at high speed or climbing on a hill requires higher consumption of the Li-ion battery than usual, the EV cruising range is shortened.

Approaching Vehicle Sound for Pedestrians (VSP)

- Since the air conditioner (cooling or heating) consumes power of the Li-ion battery, its operation results in a shorter EV cruising range. Keep the air flow and temperature settings to a moderate level so as not to make the cabin too cold or warm.
- EV cruising range may be increased by putting the shift lever to the "B" (Regenerative Brake) position, depending on the road and traffic conditions. To charge the Li-ion battery with appropriate use of the regenerative brake, it can be increased the EV cruising range.

Approaching Vehicle Sound for Pedestrians (VSP)

N07100600035

The Approaching Vehicle Sound for Pedestrians (VSP) is device that uses sound to alert pedestrians of the presence of the vehicle.

The system operates when the vehicle speed is approximately 25 MPH (40 km/h) or less and the engine is not running.

Refer to "Approaching Vehicle Sound for Pedestrians (VSP)" on page 377.

WARNING

Even if the Approaching Vehicle Sound for Pedestrians (VSP) sounds, pay special attention to pedestrians.

Pedestrians may not notice the oncoming vehicle, which may cause an accident resulting in serious personal injury or death.

Operating sound under charging

N07100700036

Even if the operation mode of the push-button power switch is OFF, you may hear operating sounds such as the Li-ion battery cooling fan during charging and the air conditioner compressor. This is normal.

In case of a collision

N07100800040

A crash or impact significant enough to require an emergency response for conventional vehicles would also require the same response for ROGUE.

Also follow the instructions described below to avoid severe burns and electrical shock that may result in serious injury or death.

WARNING

- If your vehicle is drivable, pull your vehicle off the road to a safe, nearby location and remain on the scene.

Also, if possible, do the following operations and stay out of the way of any oncoming traffic while awaiting the arrival of emergency responders.

- Apply chocks to the wheels.
- Put the select position in "P" (Park) position.
- Apply the parking brake.
- Open the windows, doors and liftgate.

⚠ WARNING

- Put the operation mode in OFF.
- Turn on the hazard warning flashers.
- Move the key away from the vehicle to prevent unintended start-up of the system by inadvertent contact with a switch or impact from the crash.
- Never touch high-voltage wiring, connectors, and other high-voltage parts, such as the inverter unit and Li-ion battery. An electric shock may occur if exposed electric wires are visible when viewed from inside or outside of your vehicle. For their locations, see "High-voltage components" on page 29.
- If the vehicle receives a strong impact to the floor while driving, stop the vehicle in a safe place and check the floor.

⚠ WARNING

- Never start the Plug-in Hybrid system if you find a liquid leak (except water of the air conditioner) while checking the outside of the vehicle because there is possibility the fuel system has been damaged and causing of fire or exploding. In such case, it is recommended to contact a Nissan Electric Vehicle certified dealer immediately.
- 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 manganite from the Lithium-ion battery, never touch any fluid leaking from the inside or outside of the vehicle. If the fluid contacts your skin or eyes, wash it off immediately with a large amount of water and seek immediate medical attention to help avoid serious injury.

⚠ WARNING

- If you are unable to safely assess the vehicle due to vehicle damage, do not touch the vehicle. Leave the vehicle and contact emergency services. Advise emergency responders that this is a Plug-in Hybrid vehicle.
- If a fire occurs in this vehicle, leave the vehicle immediately and contact emergency services. Do not attempt to extinguish a fire by yourself. If the fire involves a lithium-ion battery, it will require large, sustained volumes of water for extinguishment. Using a small amount of water or the incorrect fire extinguisher can result in serious injury or death from electrical shock.
- When you leave the vehicle, if possible, open the windows, doors and liftgate to prevent accumulation of poisonous/combustible gasses. This will also assist in the rescue and fire fighting process.

WARNING

- As with any vehicle fire, the byproducts of combustion can be toxic. Do not inhale smoke, vapors, or gas from the vehicle. Move to a safe distance upwind and uphill from the vehicle fire and out of the way of any oncoming traffic while awaiting the arrival of emergency responders.
- If you detect leaking fluids, sparks, smoke, flames, gurgling, popping or hissing noises originating from the high voltage battery compartment, contact emergency services immediately. This may result in a fire.
- Physical damage to the vehicle or high voltage battery may result in immediate or delayed release of toxic and/or flammable gases and fire.

WARNING

- If your vehicle needs to be towed, transport the vehicle on a flatbed truck or tow the vehicle with all wheels off the ground. If the any wheels are on the ground when towing, this may cause damage to the electric motors. This may also cause a fire, if wiring in the electric motor unit room becomes damaged. Refer to "Towing your vehicle" on page 525.
- Do not attempt to repair a damaged Plugin Hybrid vehicle by yourself. It is recommended to contact a Nissan Electric Vehicle certified dealer for service.

WARNING

- In the event of an accident that requires body repair and painting, it is recommended that the vehicle be delivered to a Nissan Electric Vehicle certified dealer to have the Li-ion battery and high voltage parts such as the inverter, including the attached wiring harness, removed prior to painting. If exposed to heat in the paint booth, the Li-ion battery will experience battery capacity loss. A damaged Li-ion battery can also pose safety risks to untrained mechanics and repair personnel.

NOTE

- The emergency shut-off system will be activated and the high-voltage system will automatically turn off under the following conditions:
 - Certain front, side or rear collisions.
 - Certain Plug-in Hybrid system malfunctions.

**NOTE**

- When the emergency shut-off system is activated, the READY to drive indicator light is turned off. Refer to "Warning lights, indicator lights and audible reminders" on page 160.
- If the emergency shut-off system activates, it is recommended to contact a Nissan Electric Vehicle certified dealer.

Inspection and maintenance

N07100900041

When performing inspection and maintenance, be careful in the following points.

**WARNING**

- Before performing inspection or maintenance, be sure to perform all of the following operations and make sure that the push-button power switch is turned off.
 - Disconnect the charging connector from the vehicle.

**WARNING**

- Do not start the charging or start the Plug-in Hybrid system until inspection and maintenance are completed.
- Work with the hood and lift-gate open.
- Turn on the push-button power switch and press and hold the push-button power switch for longer than 5 seconds.
- After inspection and maintenance, make sure that the Plug-in Hybrid system can be started or the charging can be started.

**WARNING**

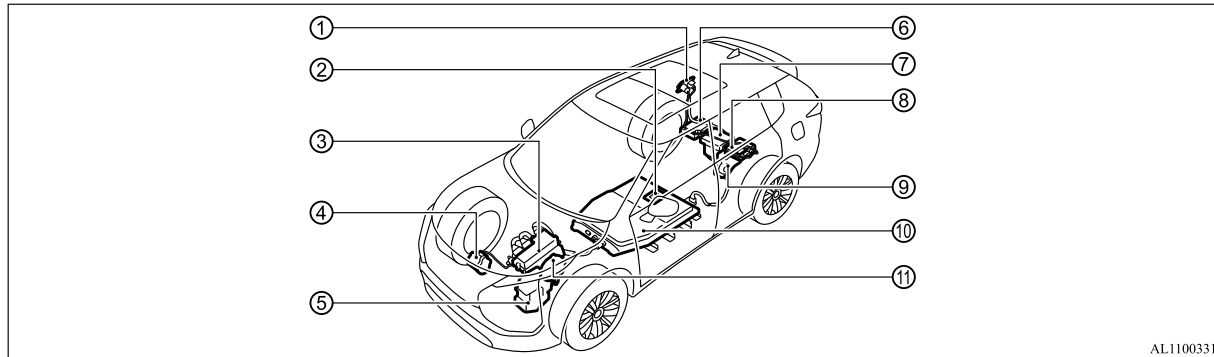
- Never touch, disassemble, remove or replace high-voltage parts, exposed electrical components, cables or connectors. Failure to follow this instruction can result in severe burns or electric shock causing serious injury or death. High-voltage cables are colored orange. The vehicle high voltage system has no user serviceable parts. It is recommended to take your vehicle to a Nissan Electric Vehicle certified dealer for any necessary maintenance.
- Never touch the service plug under the floor. Improper handling of this could cause an electric shock which result in a serious injury or death. The service plug is used to shut off the high voltage from the Li-ion battery when repairing the vehicle at a Nissan Electric Vehicle certified dealer.

WARNING

- If a buzzer sounds when you open the hood, it indicates that the high voltage component is running so it is dangerous to put your hand in the engine compartment. Close the hood and do not touch anything in the engine compartment, as there is a risk of injury or burns due to electric shock or contact with engine operating parts.

High-voltage components

N07101000036



AL1100331

1. Normal charge port
2. Service plug
3. Power drive unit (PDU)
4. Air conditioner compressor
5. Generator
6. AC inverter (if so equipped)
7. On board charger/DC-DC converter
8. Junction box
9. Rear motor
Rear electric motor control unit (MCU)
10. Li-ion battery

11. Front motor

WARNING

- The Plug-in Hybrid System uses high voltage up to DC 650 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. Follow the warning labels that are attached to the vehicle.

WARNING

- Always assume the high voltage battery and associated components are energized and fully charged.
- Never perform servicing when READY to drive indicator light is illuminating or flashing when the plug in indicator light is illuminating or flashing because the high-voltage system is operating.

WARNING

- High-voltage parts may be operating in the vehicle even when the vehicle is not driving or charging. Do not remove the cover inside the luggage compartment and touch the vehicle parts inside, as there is a risk of electric shock.

For persons with electro-medical apparatus*

N07101100037

*: Such as implantable cardiac pacemaker or implantable cardioverter-defibrillator

WARNING

- Before charging, read the instructions described below carefully and follow them. Also read and follow the instructions for "Normal charging (charging method with rated AC 120 V outlet)" on page 51, "Normal charging (charging method with EVSE)" on page 64.

WARNING

- Before charging, individuals using an electro-medical apparatus such as implantable pacemakers and implantable cardiovascular-defibrillators should check with the manufacturer of the apparatus to confirm the effect of the electromagnetic waves from charging. The electromagnetic waves may affect the operations of the electro-medical apparatus.
- When performing normal charging, keep your electro-medical apparatus, such as implantable cardiac pacemaker or implantable cardiovascular defibrillator, away from the charge connector, EVSE (Electric Vehicle Supply Equipment), control box or normal charging station.
- While charging:
 - Do not stay inside the vehicle.
 - Do not go inside the vehicle, for example to remove or place an item in the passenger compartment.

WARNING

- Do not open the liftgate, for example to remove or place an item in the cargo area.
- Do not ride in the cargo area or sit on 2nd row seats when they are folded down while the vehicle is being driven. These areas are not equipped with proper passenger restraints and do not provide adequate support, increasing the risk of serious injury in the event of sudden stops or collisions. Individuals using electro-medical devices, such as pacemakers, should not occupy the cargo area while the vehicle is running, as electromagnetic interference from vehicle systems may affect device functionality. Additionally, do not occupy the rear seat footwell or remain in the cargo area while the vehicle is running.
- When using the transmitter, please observe following precautions.

 WARNING

- People with implantable cardiac pacemakers or implantable cardiovascular defibrillators should not go near the external transmitters or the internal transmitters. The radio waves used by the transmitter could adversely affect implantable cardiac pacemakers or implantable cardiovascular defibrillators.
- When using electromedical devices other than implantable cardiac pacemakers or implantable cardiovascular defibrillators, contact the electromedical device manufacturer ahead of time to determine the effects of radio waves on the devices. Electromedical device operations could be adverse effects by radio waves. Refer to "Intelligent Key system" on page 266.

Precautions and actions to deal with intense heat

NO7101200038

Depending on the temperature of the Li-ion battery, the symptom described below may occur. Please take the described corrective action.

Battery temperature display	Symptom	Corrective action
	For driving	● The motor output is restricted and the vehicle performance may be decreased. Also, the EV priority mode may not be available. ● The engine will start to compensate for the power reduction.
	For charging	● The Li-ion battery temperature will increase if you repeat continuous high-speed driving and continuous hill climbing. When the battery temperature is high when charging, the charging current will be limited to suppress the heat generation of the Li-ion battery. As a result, the charging time may become longer. ● It may not be fully charged.

Battery temperature display	Symptom		Corrective action
	For driving	● The vehicle may be stopped. At this time, the battery temperature warning message "Power Reduced Battery Temp is Low/High" may be displayed. Refer to "Vehicle information display warnings and indicators" on page 187.	● Park the vehicle. Wait until the battery temperature warning message "Power Reduced Battery Temp is Low/High" goes out.
		● Regenerative braking performance may be decreased.	● When braking, depress the brake pedal harder.
	For charging	● The Li-ion battery temperature will increase if you repeat continuous high-speed driving and continuous hill climbing. When the battery temperature is high when charging, the charging current will be limited to suppress the heat generation of the Li-ion battery. As a result, the charging time may become longer. ● It may not be fully charged.	● Continue normal charging, if possible, and turn on the Li-ion battery cooler. The operation sound of the cooling fans may be heard. This sound is normal and does not indicate a malfunction. ● Do not turn off the push-button power switch, keep the READY to drive indicator light on, and park in a well-ventilated shade.

Precautions and actions to deal with intense cold

N07101300039

WARNING

In extreme cold temperatures, when the Li-ion battery becomes too cold, the Plug-in Hybrid system is designed to prevent the vehicle from being started and driven to protect the battery from potential damage.

In extremely cold environments, connect the charging cable (normal charging), to assist in keeping the Li-ion battery warmer for a longer period of time while parked.

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 cable and could cause an injury. Refer to "Jump starting" on page 520.

While connecting the charging cable can assist in extreme cold temperatures, starting ability will depend on the severity and length of the cold weather and the vehicle may still not start even if the charging cable is connected if the battery temperature becomes too cold (specific conditions will vary but generally if temperatures of -22°F (-30°C) are experienced for more than 10 hours). In such cases, the Battery Temp Too Low Cannot Start Vehicle warning indicator on the instrument panel will illuminate. It will be necessary to wait for the vehicle to warm and the warning indicator to turn off before starting and driving the vehicle.

Depending on the temperature of the Li-ion battery, the symptom described below may occur. Please take the described corrective action.

Battery temperature display	Symptom		Corrective action
	For driving	● The motor output is restricted and the vehicle performance may be decreased. Also, the EV priority mode is not available. ● The engine will start to compensate for the power reduction.	● Keep driving if you can drive at a similar speed as surrounding vehicles. ● If you cannot drive at a similar speed as surrounding vehicles, drive slowly and carefully to the nearest charging station or safe location.
		● Regenerative braking performance may be decreased.	● When braking, depress the brake pedal harder.
	For charging	● If the “Please charge now” warning appears when the push-button power switch is turned off, charge the Li-ion battery. ● Charging time becomes longer. Also, complete charging may not be possible.	● Charge the Li-ion battery in accordance with the warning display. ● Charge the Li-ion battery before it cools down, such as immediately after driving.

Precautions and actions to deal with intense cold

Battery temperature display	Symptom		Corrective action
	For driving	● If the Li-ion battery is low, it may be difficult for the engine to start immediately after startup.	● Turn off electrical components such as headlights, wipers, and heated seats so that the engine can be started easily.
	For charging	● Charging may become impossible. ● If the "Please charge now" warning appears when the push-button power switch is turned off, charge the Li-ion battery.	● Charge the Li-ion battery in accordance with the warning display.
 Less than -22°F (-30°C)	For driving	● The Plug-in Hybrid system may not be started if the "Battery Too Cold" warning is displayed.	● Wait for the outside temperature to rise, and wait for the temperature around the Li-ion battery to rise before starting up.
	For charging	● Charging becomes impossible. ● If the temperature of the Li-ion battery drops during charging and charging stops halfway, the push-button power switch will automatically turn off.	● Wait for the outside temperature to rise, and wait for the temperature around the Li-ion battery to rise before starting up.

⚠ CAUTION

If "Battery Too Cold" warning is displayed while driving, it is recommended to contact a Nissan Electric Vehicle certified dealer.

Fuel selection

N07101400043

Your vehicle is designed to use unleaded gasoline only. It is equipped with a fuel tank filler pipe specifically designed to accept only a small diameter unleaded gasoline dispensing nozzle.

⚠ WARNING

Gasoline is highly flammable and explosive. You could be burned, seriously injured or killed when handling it. Whenever you refuel your vehicle, put the operation mode of the push-button power switch in OFF and keep flames, sparks, and smoking materials away from the vehicle. Always handle fuel in well-ventilated outdoor areas.

⚠ CAUTION

Using leaded gasoline in your vehicle will damage the engine, catalytic converter, and the oxygen sensors. Also, using leaded gasoline is illegal, and will void your warranty coverage of the engine, catalytic converter, and oxygen sensors.

Gasoline detergent additives

In the United States, fuel suppliers are required by law to add detergents to their gasoline to minimize fuel-injector clogging and minimize intake-valve deposits. Detergent gasoline helps keep your engine in tune and your emission-control system working properly.

Octane requirement

Your vehicle is designed to operate on unleaded gasoline having a minimum octane number of 87 $[(\text{MON} + \text{RON})/2]$ or 91 RON.

Oxygenated gasoline

Gasoline sold at some service stations contains oxygenates such as ethanol, although the oxygenates may not be identified by those names. Oxygenates are required in some areas of the country. Oxygenated fuel can be used in your vehicle.

Ethanol (Gasohol)

A mixture of up to 10 % ethanol (grain alcohol) and 90 % unleaded gasoline may be used in your vehicle, provided the octane number is at least as high as that recommended for unleaded gasoline.

Methanol

Do not operate your vehicle on gasoline containing methanol (wood alcohol). Using this type of alcohol could adversely affect the vehicle's performance and dam-

Filling the fuel tank

age critical parts of the vehicle's fuel system.

Reformulated gasoline

Many areas of the country require the use of cleaner burning fuel referred to as "Reformulated Gasoline".

Reformulated gasoline contains oxygenates and is specially blended to reduce vehicle emissions and improve air quality. NISSAN strongly supports the use of reformulated gasoline. Properly blended reformulated gasoline has no adverse effect on vehicle performance or the durability of the engine and the fuel system.

MMT (methylcyclopentadienyl manganese tricarbonyl)

MMT is a manganese-containing metallic additive that is blended into some gasolines to increase the octane number. NISSAN rec-

ommends using gasolines without MMT.

Use of gasolines blended with MMT may adversely affect performance, and cause the malfunction indicator on your instrument panel to come on. If this happens, it is recommended to contact a Nissan Electric Vehicle certified dealer for assistance.

Sulfur in gasoline

Your vehicle may have been designed to satisfy California's low-emission regulations based on clean-burning low-sulfur gasoline. Gasoline sold in parts of the country other than California is allowed to have a higher sulfur content. Using such gasoline could adversely affect the vehicle's catalytic converter and cause the engine malfunction indicator ("Malfunction Indicator Light (MIL)") to come on. Illumination of this indicator while using high-sulfur gasoline does not necessarily mean the vehicle's

emission-control system is malfunctioning. A Nissan Electric Vehicle certified dealer may suggest using a different, lower-sulfur brand of unleaded gasoline to determine if the problem is fuel-related.



NOTE

Poor-quality gasoline can cause problems such as hard starting, stalling during idling, abnormal engine noise, and poor acceleration. If you experience any of these problems, try using a different brand of gasoline. If the engine malfunction indicator ("Malfunction Indicator Light (MIL)") illuminates, have the vehicle inspected immediately. It is recommended to visit the nearest Nissan Electric Vehicle certified dealer.

Filling the fuel tank

NO7101500044

See "Fuel filler door" on page 288.

Do not carry fuel-filled containers or spray cans inside your vehicle

N07102000020

WARNING

Leaving fuel-filled containers or spray cans in your vehicle could cause the containers to burst or an explosion of evaporated gas.

Event Data Recorders (EDR)

N07102100047

This vehicle is equipped with an event data recorder (EDR). The main purpose of an EDR is to record, in certain crash or near crashlike situations, such as an air bag deployment or hitting a road obstacle, data that will assist in understanding how a vehicle's systems performed. The EDR is designed to record data related to vehicle dynamics and safety systems for a short period of

time, typically 30 seconds or less. The EDR in this vehicle is designed to record such data as:

- How various systems in your vehicle were operating;
- Whether or not the driver and passenger safety belts were buckled/fastened;
- How far (if at all) the driver was depressing the accelerator and/or brake pedal; and,
- How fast the vehicle was traveling.

These data can help provide a better understanding of the circumstances in which crashes and injuries occur.

NOTE

EDR data are recorded by your vehicle only if a nontrivial crash situation occurs; no data are recorded by the EDR under normal driving conditions and no personal data (e.g. name, gender, age and crash location) are recorded. However, other parties, such as law enforcement, could combine the EDR data with the type of personally identifying data routinely acquired during a crash investigation.

To read data recorded by an EDR, special equipment is required, and access to the vehicle or the EDR is needed. In addition to the vehicle manufacturer, other parties, such as law enforcement, that have the special equipment, can read the information if they have access to the vehicle or the EDR.

Additional data recording

If your vehicle is equipped with the optional ProPILOT Assist or other driver assistance features, it will also be equipped with supplemental data recording function intended to assist in understanding how ProPILOT Assist or other driver assistance features performs in certain nontrivial crash or near-crash scenarios. Specifically, supplemental recording is designed to capture the following:

- Driver operational status of the accelerator, brakes, steering, etc.
- Detection status of a vehicle ahead and lane markers
- Vehicle information including distance to vehicle ahead and lateral position
- Information on the operation of the ProPILOT Assist and other driver assistance features

- ProPILOT Assist (or other driver assistance features) malfunction diagnosis information
- External images from the multi-sensing front camera (Available only when the SRS air bag or AEB system is activated)

The ProPILOT Assist and other driver assistance features do not record conversations, sounds or images of the inside of the vehicle.

To read this supplemental data, special equipment is required and access to the vehicle or the recording unit is needed. This supplemental data will only be accessed with the consent of the vehicle owner or lessee or as otherwise required or permitted by law. If downloaded, NISSAN and third parties entrusted by NISSAN may use the data recorded for the purpose of improving NISSAN's vehicle safety performance. NISSAN and third parties entrusted by NISSAN will not dis-

close/provide the recorded data to a third party except:

- With the consent of the vehicle owner or with the consent of the lessee
- In response to an official request from law enforcement, court order, governmental agency, or other legally enforceable request
- For research purposes after the data is modified such that it is no longer tied to a specific vehicle or vehicle owner (anonymized)

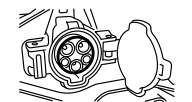
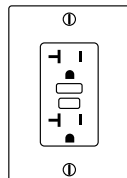
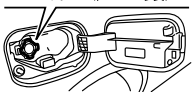
Charging

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Charging

N07200100044

Your vehicle comes standard with a charge port and charging cable (EVSE (Electric Vehicle Supply Equipment)) that uses a household outlet (AC 120 V) as a charging source. You may also charge your vehicle using a ROGUE compatible 240 V charging device (EVSE^{*1} - available separately).

Category	Charge port	Charge connector	Charging source	Charging time	Reference
Normal charging 120 V (Attached EVSE (Electric Vehicle Supply Equipment))	Right rear side of vehicle 		120 V household outlet (15 amp dedicated circuit required) 	Approximately 16 hours	51
Normal charging 240 V (Primary Home EVSE ^{*1} Available separately)			Home or public charging device 	Approximately 6.5 hours	64

*1: EVSE = Electric Vehicle Supply Equipment

Charging time will vary depending on the condition of the Li-ion battery, air temperature and condition of the power source.

NOTE

- If the 12 V starter battery is discharged, the Li-ion battery cannot be charged. Refer to "Jump starting" on page 520.
- The Li-ion battery can be charged to nearly full using the CHARGE mode.
Refer to "EV mode selector switch" on page 370.
Refer to "CHARGE mode" on page 373.

Battery

N07200200032

There are two types of batteries installed in your vehicle: a Li-ion battery for operating the motor (electric motor unit) and air conditioner as well as a 12-volt battery for starting the Plug-in Hybrid system and operating the lights, wipers, etc.
This chapter explains charging of the Li-ion battery.

NOTE

- The 12-volt battery is automatically charged while the READY to drive indicator light is illuminated or during charge for the Li-ion battery. For additional information about "READY to drive indicator light", refer to "Warning/indicator lights (other)" on page 171.
- If the 12-volt battery is flat, the Plug-in Hybrid system cannot be started.
Refer to "Jump starting" on page 520.

Basic knowledge for charging

N07200300046

Normal charging is performed through the on board charger using rated AC 120 V outlet as the power source.
You may also charge your vehicle using a ROGUE compatible 240 V charging device (EVSE:Electric Vehicle Supply Equipment).

WARNING

- To charge your vehicle safely, you must comply with the latest electrical wiring standards and regulations in your country, and connect a power source which complies with the latest national regulations and has enough current capacity.
- To reduce the risk of electric shock or fire due to electric leak, always use a grounded outlet protected by a residual current detector, rated for amperage equal to or greater than the value specified by NIS-SAN, and that is connected to a dedicated branch circuit. If the circuit is shared, and another electrical device is being used at the same time as the vehicle is charging, the circuit may heat abnormally, the breaker may trip and the circuit may cause adverse interference on MCB (Moulded Circuit Board) and household electrical appliances such as TVs and audio systems.

WARNING

- It is possible to charge even in rain or snow. However, be sure to pay attention to the following:
 - Do not touch the charge port, charge connector, outlet and plug with wet hands.
 - Keep away from water when connecting the charge port, charge connector, outlet and plug.
 - Do not perform the charging in the out of doors when heavy rain, heavy snow, strong winds, and when bad weather is expected.
 - Do not charge if there is possibility a lightning strike. When thunder rumbling begins suddenly during normal charging, do not touch the vehicle and the EVSE (Electric Vehicle Supply Equipment) and turn off the breaker.

WARNING

- If water goes into the charge port or the charge connector, it could cause a short circuit, a fire and an electric shock.
Be sure to completely close the charge port lid and the inner lid and do not leave the EVSE (Electric Vehicle Supply Equipment) in an outdoors.
- If the connected part of the charging plug has been buried in snow while charging, turn off the hand switch or the breaker connected with the outlet first, then remove the snow and disconnect the charging plug. If your vehicle body has been buried in snow while charging, remove the snow and then disconnect the charge connector.

 WARNING

- When you perform the normal charging away from home, some normal charger may not correspond to your vehicle. Consult an administrator or a maker of the normal charger that it corresponds to your vehicle before using it. Also perform normal charging according to the operating procedure indicated on the body of the normal charger.
- Do not open the charge port lid other than charging and using external power feed.

 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 cable and could cause an injury.

Refer to "Jump starting" on page 520.

 NOTE

- Even if the operation mode of the push-button power switch is OFF, you may hear operating sounds such as the Li-ion battery cooling fan during charging. This is normal.
- If your vehicle is not used for a long time, check the energy level gauge every 3 months. If the gauge shows 0, charge the Li-ion battery until some indication appears. Alternatively, start the Plug-in Hybrid System. Then the engine will automatically start to charge the Li-ion battery. Wait until the engine automatically stops, then put the operation mode of the push-button power switch in OFF.

 NOTE

- In the event of a electrical power outage while charging, charging restarts automatically with the restoration of electricity.

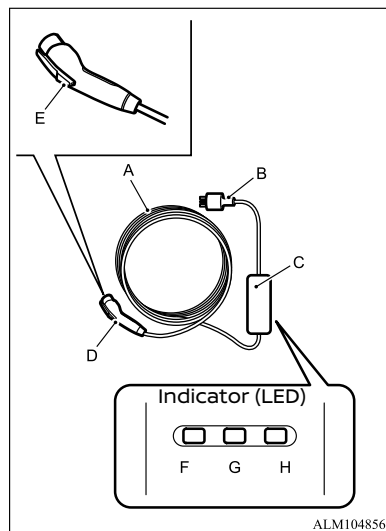
Normal charging cable

N07200400050

Your vehicle is equipped with a normal charging cable (AC 120V, 21 ft (6.4 m)) in the bag in the cargo area.

The charging cable consists of a normal charging cable (A), a plug (B), a control box (C), a normal charge connector (D), and a LOCK Release Button (E).

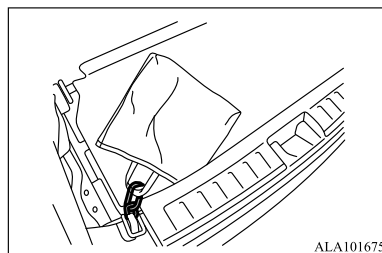
Normal charging cable



F- READY indicator
G- POWER indicator
H- FAULT indicator

READY (F), POWER (G) and FAULT (H) indicators located on the control box will illuminate/blink in response to the following conditions. Also, if the indicator illuminates/blinks under conditions

other than the following, it is recommended to consult a Nissan Electric Vehicle certified dealer.



⚠ WARNING

- Do not disassemble, repair, or alter the normal charging cable. Doing so could cause a fire, electric shock or injury.
- When not in use, be sure to install the cap to the normal charge connector and store the normal charging cable in a place where the cable is not exposed to water or dust. Entry of foreign matter such as water or dust in the metal terminal of the normal charge connector or charging cable plug may cause a fire or malfunction.

⚠ WARNING

- Do not store the normal charging cable in a place exposed to direct sunlight.
- Never charge the vehicle if the normal charging cable, normal charging port, normal charge connector, plug, or outlet is damaged, corroded or rusted. And never use an outlet that is worn, damaged, or will not hold the plug firmly. Doing so may cause a fire, electric shock or a short circuit.
- Pay attention to the following for handling the normal charging cable.
 - Damage to the normal charging cable could cause a fire, electric shock or short circuit.
 - Do not drop the normal charging cable or do not give strong impact to it.
 - Do not pull or bend with undue force.
 - Do not twist.
 - Do not drag.
 - Do not step on or put an object on top.

⚠ WARNING

- Do not put the normal charging cable close to a heating unit including heater.
- Do not wind the normal charging cable and/or cord around objects such as the normal charge connector and/or control box.

⚠ WARNING

- Do not insert foreign materials into the plug or normal charge connector.

📖 NOTE

- Do not use the normal charging cable for anything other than this vehicle.

📖 NOTE

- To store the charging cable in the vehicle, put it in the bag and connect the bag to the luggage hook by a carabiner attached. (For details about the luggage hook, see "Luggage hooks" on page P250.)

Indicators located on the control box

Meaning	Illuminates	Blinking	Not illuminates
Symbol	●	○	OFF

READY	POWER	FAULT	Status and action to be taken
●	●	●	When the charging cable plug is connected to the outlet, all indicators illuminate for approximately 0.5 seconds for checking.

Normal charging cable

READY	POWER	FAULT	Status and action to be taken
●	OFF	OFF	Any of the following conditions: ● Normal charging cable is connected to the power outlet but not connected to the vehicle. ● Normal charging cable is connected to the vehicle and the charging has been completed, or the charging timer has been set.
●	●	OFF	Indicates the power is currently being supplied to the vehicle (for charging, air conditioner, etc.).
●	OFF	○	There is electrical leakage, or the normal charging cable is malfunctioning. Discontinue use immediately. It is recommended that you contact a Nissan Electric Vehicle certified dealer.
●	OFF or ○	●	The normal charging cable is malfunctioning. Discontinue use immediately. It is recommended that you contact a Nissan Electric Vehicle certified dealer.
OFF	OFF	OFF	The outlet is not energized, or the normal charging cable is malfunctioning. If the indicator does not illuminate even though the charging cable plug is connected to the outlet and the outlet is being energized, discontinue use immediately. It is recommended that you contact a Nissan Electric Vehicle certified dealer.
○	OFF	OFF	The ground wire of the outlet is broken or disconnected. Check the ground wire of the outlet. If symptoms persist, it is recommended that you contact a Nissan Electric Vehicle certified dealer.

READY	POWER	FAULT	Status and action to be taken
○	OFF or ○	●	The temperature detection circuit of the normal charging cable is broken. Since the charging current is limited, it is recommended that you contact a Nissan Electric Vehicle certified dealer.
○	OFF or ○	○	The overheating of the normal charging cable is detected and the charging current is limited. Discontinue use immediately. It is recommended that you contact a Nissan Electric Vehicle certified dealer.

Handling of the control box

WARNING

If the control box is damaged, it may cause a fire, electric shock or injury. Be sure to follow the following points when handling the control box.

- Do not alter or disassemble.
- Do not put it in the water.
- Do not drop the control box or do not give strong impact to it.

NOTE

Be sure not to hook your foot on the cable or the control box. The outlet or the plug may be damaged if strong force is applied.

Precautions for the control box

WARNING

- If the **POWER** (orange) and **READY** (green) indicators on the control box do not illuminate, or if the **FAULT** (red) indicator flashes or illuminates during charging, immediately disconnect the normal charging cable. It is recommended that you contact a Nissan Electric Vehicle certified dealer.

NOTE

- When the plug is plugged into an outlet, all indicators in the control box will illuminate for a moment to check the operation, and then the **READY** (green) indicator will continue to illuminate.
- When charging starts, the **READY** (green) indicator and **POWER** (orange) indicator will continue to illuminate.

NOTE

- When charging is complete, the **READY** (green) indicator on the control box will continue to illuminate.

Cleaning the normal charging cable

1. Lightly wipe these off with a soft cloth soaked in a mild soap and water solution
2. Wipe off all the detergent with a soft cloth dipped in fresh water and thoroughly wrung out.
3. Wipe all moisture off and dry in a shaded, well-ventilated area.

WARNING

- **Do not clean the normal charging connector with the plug or outlet plugged in. Also, do not insert or remove it with wet hands. It may cause electric shock.**

⚠ WARNING

- Do not expose the metal terminal of the normal charge connector or the charging cable plug to water or neutral detergent. Using in wet with water could cause a fire or an electric shock.

⚠ CAUTION

Never use benzine, gasoline, or other organic solvents, or acid or alkaline solvents. Doing so could cause deformation, discolor, or malfunction. Also, these substances may be present in various cleaners, so check carefully before using.

**Normal charging
(charging method
with rated AC 120 V
outlet)**

N07200500035

Carefully read instructions regarding "Li-ion battery" on page 22 and described in this section and also instructions on

"Normal charging cable" on page 45 or instructions for a charging device you use, and follow them.

⚠ WARNING

- For safety, do not allow children or people who are not familiar with charging to charge for themselves. Also, do not use the normal charge connector within reach of children.
- Improper charging can result in a fire, property damage, and serious injury or death.

⚠ WARNING

- To minimize the risk of electrical shock and/or a fire, always use an outlet rated AC 120 V that is grounded, protected by a ground-fault circuit interrupter, rated for 15 A or more, and connected to a dedicated circuit. Outlets located outdoors must be waterproofed. If you have any doubt whether your charging outlet meets these requirements, check with a licensed electrician. If the outlet is not grounded, the risk of electrical shock will increase in the event of an insulation failure in the EVSE (Electric Vehicle Supply Equipment). If the circuit is shared, and another electrical device is being used at the same time the vehicle is charging, the circuit may heat abnormally, the breaker may trip and the circuit may cause adverse interference on household electrical appliances such as televisions and audio systems.

WARNING

- Individuals using an electro-medical apparatus such as implantable pacemakers and implantable cardiovascular defibrillators should check with the manufacturer of the apparatus to confirm the effect of the electromagnetic waves from charging. The electromagnetic waves may affect the operations of the electromedical apparatus.
- If you use an electro-medical apparatus, such as an implantable cardiac pacemaker or an implantable cardiovascular defibrillator, observe the following precautions before charging;
 - Keep your electro-medical apparatus away from the charge connector, EVSE (Electric Vehicle Supply Equipment), control box and normal charging station.
 - While normal charging;

WARNING

- Do not stay inside the vehicle.
- Do not return to the vehicle.
- Do not open the liftgate, for example to remove or place an item in the cargo area.
- Never use an extension cable, multi-plug adapter or conversion adapter. Using them may cause overheating resulting in fire.
- Never force the connection if the EVSE (Electric Vehicle Supply Equipment) or plug shows damage or is not easily connected due to foreign material entering the plug or the outlet.
- Never use an outlet that is damaged or will not hold the plug firmly in place. Never use a plug that is bent or damaged. Failure to follow these instructions can result in an electric shock and/or fire.
- Make sure that the plug is inserted all the way into the outlet before use.

WARNING

- While it is normal for the plug and EVSE (Electric Vehicle Supply Equipment) to become warm during charging, discontinue use immediately if the plug or EVSE (Electric Vehicle Supply Equipment) becomes too hot to touch.
- Never pull the cable to remove the plug. Hold the plug part to remove it.
- Never connect or disconnect the plug with a wet hand.
 - If charging stops when you move the plug or cord, this may be caused by a line breakage. When this happens, immediately stop using the EVSE.
 - Immediately stop using the EVSE if you notice an abnormality or problem such as a strange smell or smoke being emitted from the EVSE while charging.

⚠ CAUTION

- During charging, the cooling fans in the engine compartment may automatically be operated even if the operation mode of the push-button power switch is in OFF. Keep your hands away from the cooling fan during charging.
- Do not perform charging from other power source like a generator. Doing so could cause a malfunction.
- Do not push the rear portion of the charge port lid when the charge port lid is locked. There is a possibility that the charge port lid open unexpectedly when the driver's door is unlocked.

📖 NOTE

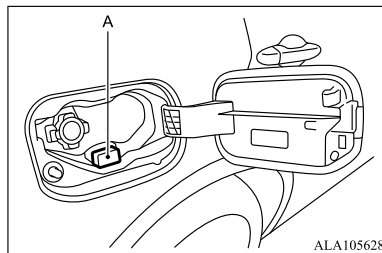
- Your vehicle is equipped with an EVSE (Electric Vehicle Supply Equipment) for normal charging. Refer to "Normal charging cable" on page 45.

📖 NOTE

- When connecting or disconnecting the normal charge connector or plug, insert/pull out the connector straight. Also, do not incline or twist the connector. Doing so could cause a bad connection or malfunction.
- Make sure to lock the doors to prevent theft, etc. during charging.

Charging port courtesy light

N07200600036



ALA105628

The charging port courtesy light (A) illuminates in white when the charge port lid is opened while the select position is in "P" (Park)

position. It goes off automatically after approximately 3 minutes. If you want to turn it on again, close and open the charge port lid.

When charging is started, the charging port courtesy lamp blinks.

📖 NOTE

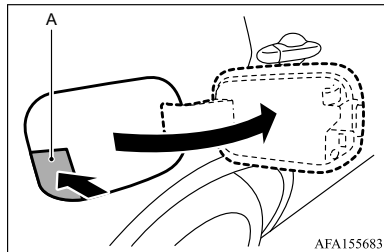
The plug in indicator light illuminates or blinks in the following:

- Green (illuminate): The connector is connected.
- Green (blinking): The system is in charging.
- Blue (illuminate): Charging timer is activating (refer to "Charging timer" on page 65).
- Red (blinking): The connector is not correctly connected or an error occurs.

To open the charge port lid

NO7200700040

1. Firmly apply the Electric parking brake, press the electrical parking switch to shift the "P" (Park) position and put the operation mode of the push-button power switch in OFF.
2. Unlock the driver's door to open the charge port lid.
3. Push the rear portion of the charge port lid (A) until it stops, and open the charge port lid.



NOTE

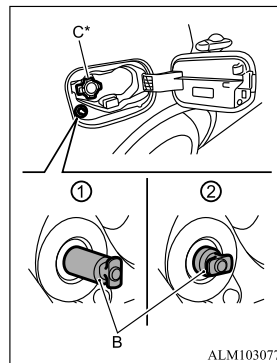
- The charge port lid is opened when charge port lid is pushed as following condition.

NOTE

- The driver's door is unlocked using the power door lock switch or the Intelligent Key.
- The READY to drive indicator light is not illuminated.
- The select position is "P" (Park) position.
- Depending on the condition of the vehicle, there may be a slight time lag between pressing the charge port lid and opening it, but this is not a malfunction.
- When the charge port lid cannot be unlocked even if the driver's door is unlocked using the power door lock switch or the Intelligent Key, refer to "If the charge port lid cannot be unlocked" on page 60.

NOTE

- If the actuator (B) of the lid is pushed in ② before closing the charge port lid, the charge port lid cannot be fastened even if it is closed. In such a case, after closing the charge port lid, press the rear part of the charge port lid slowly, and then release it slowly to return the actuator to its original state ①.

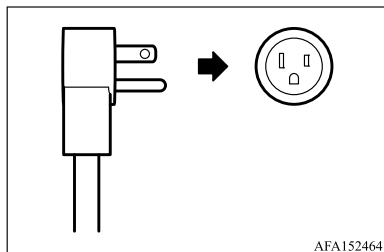


*: The normal charge port (C) is on the left side when you are facing the vehicle.

Charging from rated AC 120 V outlet

N07200800041

1. Open the charge port lid.
Refer to "To open the charge port lid" on page 54.
2. Insert the EVSE (Electric Vehicle Supply Equipment) plug into an outlet.



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⚠ WARNING

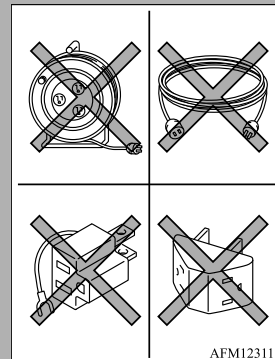
- Do not touch the electrical terminals of the plug.
- Make sure that the plug is inserted all the way into the outlet before use.

⚠ WARNING

- To minimize the risk of electrical shock and/or a fire, always use an outlet rated AC 120 V that is grounded, protected by a ground-fault circuit interrupter, rated for 15 A or more, and connected to a dedicated circuit. Outlets located outdoors must be waterproofed. If you have any doubt whether your charging outlet meets these requirements, check with a licensed electrician. If the outlet is not grounded, the risk of electrical shock will increase in the event of an insulation failure in the EVSE (Electric Vehicle Supply Equipment). If the circuit is shared, and another electrical device is being used at the same time the vehicle is charging, the circuit may heat abnormally, the breaker may trip and the circuit may cause adverse interference on the household electrical appliances such as televisions and audio systems.

⚠ WARNING

- Never use an extension cable, multi-plug adapter or conversion adapter. Using them may cause overheating resulting in fire.



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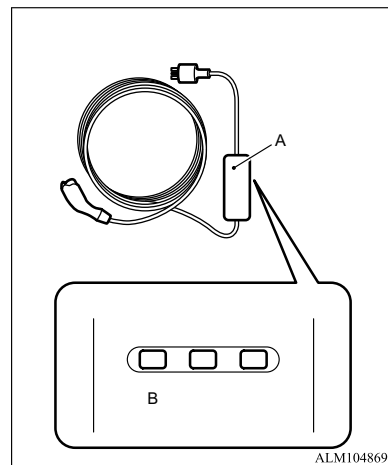
- To prevent an electrical shock or fire, do not use a multi type outlet. The grounded line may not work properly and it is not a dedicated type outlet.

3. Check that the indicator on the control box (A) of the charging cable is lit READY (green) (B).

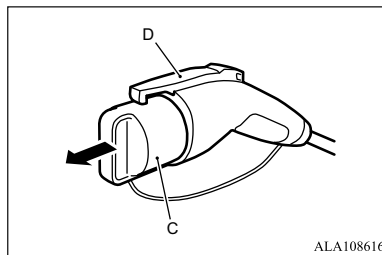
Normal charging (charging method with rated AC 120 V outlet)

If the indicator on the control box of the charging cable is flashing READY (green), the ground wire of the outlet is broken or not connected. Check the grounding status of the outlet.

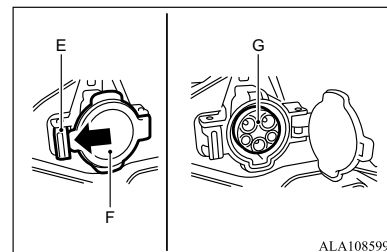
Refer to "Normal charging cable" on page 45.



4. Remove the cap (C) on the normal charge connector (D) and make sure that there is no foreign matter such as dust at the end of the normal charge connector and the normal charge port.



5. Press the tab (E) to open the inner lid (F) just before connecting the normal charge connector (D) to the normal charge port.



⚠ WARNING

Do not touch the metal terminal of the normal charge port (G) and the normal charge connector (D). Doing so could cause an electric shock and/or malfunction.

⚠ CAUTION

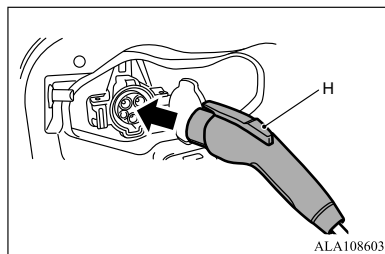
To help keep foreign material out of the normal charge port, do not leave the inner lid open without connecting the normal charge connector.

Doing so could allow water, dirt or other objects to enter in the normal charge port resulting in a fire or electrical shock.

NOTE

- There is a hole on the normal charge port for water drainage. If this hole is blocked and water gets trapped in the normal charge port, do not charge. It is recommended that you contact a Nissan Electric Vehicle certified dealer.
- When the charge port is frozen, melt the ice. Forcing the charging connector to connect with the normal charge port while it is frozen can damage the normal charge port and/or prevent charging.

- Without pressing the LOCK Release Button (H), insert the normal charge connector (D) until a click is heard.
When the connector lock mode is set to LOCK, the charge connector will automatically be locked just before charging starts.



CAUTION

- Be careful of the protrusion on the charge port lid.
- Do not grasp the top of normal charge connector. It could cause injury from the protrusion on the charge port lid.

NOTE

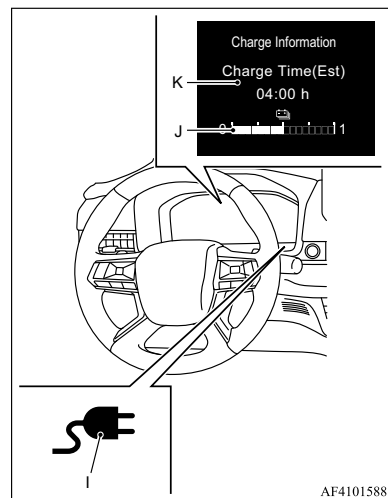
- When the normal charge connector locks, you will hear a click sound, but this is not a malfunction.

NOTE

- If the operation mode of the push-button power switch is put in ON with the EVSE (Electric Vehicle Supply Equipment) connected to the normal charge port, the Plug-in Hybrid system will not turn on.
- Do not connect or disconnect the normal charge connector repeatedly in a short time period. You may experience difficulty charging your vehicle.
- If you wish to use electrical appliances such as audio equipment while charging, place the push-button power switch to ON. After use, make sure the shift position is in P, take your foot off the brake pedal and place the push-button power switch to OFF.

- Make sure that the plug in indicator light (I) on the instrument cluster is illuminated and is blinking.

Normal charging (charging method with rated AC 120 V outlet)



If the plug in indicator light is not blinking, charging has not started.

Make sure that the normal charge port (G) and the plug are correctly connected, and perform charging from step 4 again.

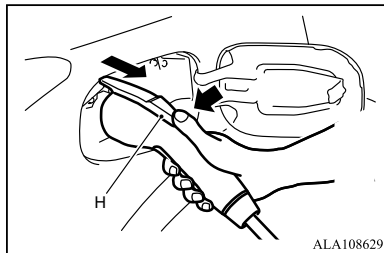
NOTE

- When the normal charge connector (D) is connected to the normal charge port (G), the plug in indicator light (I) will illuminate. When charging is started, the plug in indicator light blinks, the charging port courtesy light blinks.
- If you want to confirm the Li-ion battery level or the predicted charging time during charging, one of the doors is opened or the vehicle information display switch is operated while the push-button power switch is not in the OFF position, the Li-ion battery level indicator (J) appears and the predicted charging time display (K) appears on the information screen in the vehicle information display. The estimated charging time is a current estimated value and may differ from the actual time depending on the operating status of the Li-ion battery cooling system or the charging status. Also, the estimated value may fluctuate if the Li-ion battery cooling system is operating during charging.

NOTE

- When an electrical component is used during charging, charge time may become longer.
- You may hear operating sounds from the Li-ion battery cooling system, such as sounds from the cooling fan and air conditioner compressor, during normal charging. This is normal.
- Operation noise may be heard from the vehicle body during normal charging. This noise comes from operation of the Li-ion battery cooling system, and it is not a malfunction.
- Since the Li-ion battery cooling system uses refrigerant of the air conditioning, the air conditioning is automatically operated. After normal charging, if the area under the vehicle is wet, odorless and transparent, it is dehumidified water from the air conditioning and not a malfunction.

8. When the plug in indicator light (I) stops blinking, charging is complete. Pull out the normal charge connector while pressing the LOCK Release Button (H) and install the cap on the normal charge connector.



⚠ WARNING

- Do not leave the normal charge connector (D) connected to the normal charge port after charging. Leaving the cable connected could pose a tripping hazard or result in damage to the charge port or cable if pulled or mis-handled.

⚠ WARNING

- After charging, disconnect the charge connector completely from the normal charge port. If the normal charge connector remains partially engaged with the latch unlocked, the operation mode of the push-button power switch can be put in ON and the vehicle can be moved.

📖 NOTE

Charging can be stopped half way. In this case, pull out the normal charge connector while pressing the LOCK Release Button (H). Refer to "How to unlock the charge connector lock" on page 62.

9. Close the inner lid and press the rear of the charge port lid until it clicks to close it.

⚠ WARNING

After charging, be sure to close the inner lid and the charge port lid completely.

⚠ WARNING

Be careful that water or dust does not enter in the normal charge port, inner lid and normal charge connector.

Entry of water or dust could cause electric leakage, resulting in a fire or electric shock.

📖 NOTE

- Make sure that the inner lid is completely closed before closing the charge port lid. If the charge port lid is forcibly closed without completely closing the inner lid, the hinge on the inner lid may be broken.
- When the operation mode of the push-button power switch is switched to ON while the charge port lid is not completely closed, a warning may be displayed on the information screen in the vehicle information display. Refer to "Vehicle information display warnings and indicators" on page 187. A warning is not displayed when the charge connector is connected.

Normal charging (charging method with rated AC 120 V outlet)

NOTE

- On the vehicle equipped with the charge port lid lock, if the charge port lid is closed while the driver's door is locked using the power door lock switch or the Intelligent Key, the charge port lid will be locked.

10. Remove the EVSE (Electric Vehicle Supply Equipment) plug from the outlet.

CAUTION

Before using an automatic car wash, make sure that the charge port lid is completely closed to avoid damage to the charge port lid.

If the charge port lid cannot be unlocked

NO7200900039

When the charge port lid cannot be unlocked even if the driver's door is unlocked, take the following measure to open the charge port lid.

NOTE

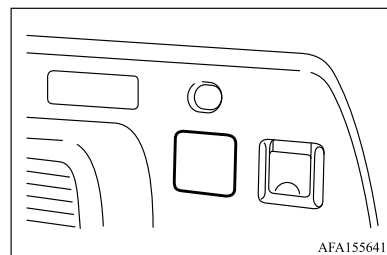
- The charge port lid is opened when the charge port lid is pushed as following condition.
 - The driver's door is unlocked using the power door lock switch or the Intelligent Key.
 - The READY to drive indicator light is not illuminated.
 - The select position is "P" (Park) position.

1. If the Intelligent Key battery is running out of power, unlock the driver's door using the mechanical key and open the driver's door to unlock the charge port lid.

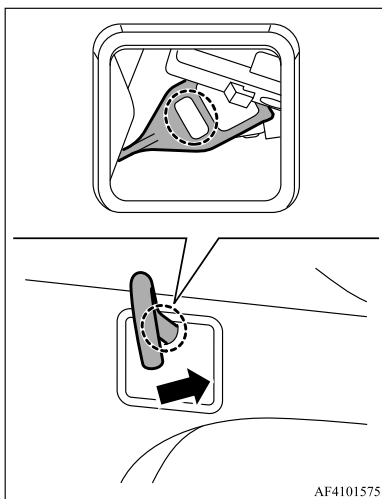
Refer to "Intelligent Key" on page 262

After this, if the charge port lid cannot be opened with pushing the charge port lid, take the following step to open the charge port lid.

2. Remove the cover by inserting a flat-blade screwdriver with a cloth on the tip into the notch on the cover, on the right side of the luggage room.



3. Unlock the charge port lid by inserting a jack bar or the similar, and pulling the yellow rod in the direction of the arrow.



NOTE

- This procedure is just an emergency measure in case of malfunction. Do not use it under normal conditions as it may cause a malfunction.

NOTE

- If you perform this operation, it is recommended to have it inspected by a Nissan Electric Vehicle certified dealer, as it may cause a malfunction of the charge port lid opener, etc.

Charge connector lock

N07201000037

This is a function that locks the charge connector to prevent it from pulling off from the vehicle during normal charging. The function has a tamper-proof effect.

How to use the charge connector lock mode

The charge connector lock mode can be used as follows depending on the situation.

LOCK

- To prevent tampering, use LOCK mode when you want to lock the charge connector at all times even when it is not charging.

The charge connector will always be locked during normal charging.

Situation examples: When charging using the in-vehicle charging cable in the parking space at home facing the road, or charging not at your home, etc.

UNLOCK

- Used UNLOCK mode when the lock function is not used.

The charge connector will not be locked during normal charging.

Situation examples: When charging in an enclosed garage at home, or an area where locking of a normal charge connector is prohibited at a public charging station, etc.

Normal charging (charging method with rated AC 120 V outlet)

NOTE

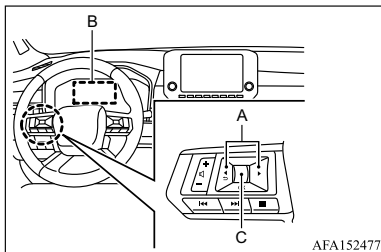
- If LOCK mode is used at a public charging station, the normal charge connector will not disconnect even after charging is complete, which may cause inconvenience to the next waiting vehicle. Use UNLOCK mode at public charging stations.

How to set the charge connector lock mode

NOTE

- In the case of a normal charger installed in a public charging station, it may not be possible to lock the connector depending on the shape of the normal charge connector.
- The charge connector lock operates when the shift position is in P (Park).
- The charge connector lock does not work unless the normal charging connector is properly connected.
- The charge connector lock does not guarantee theft prevention.

1. Press the ◀▶ (A) on the steering-wheel-mounted control several times to display the “Settings” screen on the vehicle information display (B).



2. Turn the scroll dial (C) to select the “Vehicle Settings”, and press the scroll dial (C) to confirm.
3. Turn the scroll dial (C) to select the “Chg. Connector Lock” and press the scroll dial (C) to confirm.
4. Turn the scroll dial (C) to select “LOCK” (D) and press the scroll dial (C) to confirm.

D

Chg. Connector Lock

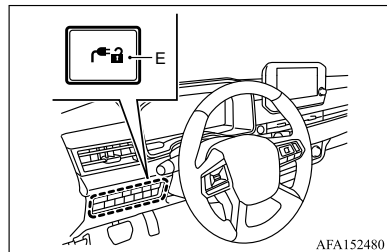
 LOCK

 UNLOCK

AFA155696

How to unlock the charge connector lock

N07202200036



When you press the charge connector unlock switch (E) or unlock the driver's door using the power door lock switch or the Intelligent Key, a beep sounds and the

charge connector lock will be released.

NOTE

If the normal charge connector has not been disconnected from the vehicle within approximately 30 seconds after the charging connector is unlocked, the connector will be locked again.

If the charge connector cannot be unlocked

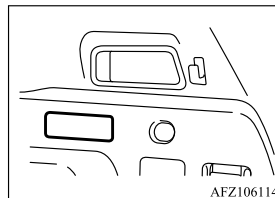
N07202300037

NOTE

- This procedure is just an emergency measure in case of malfunction. Do not use it under normal conditions as it may cause a malfunction.
- If you perform this operation, it is recommended to have it inspected by a Nissan Electric Vehicle certified dealer, as it may cause a malfunction of the charging connector lock mechanism.

NOTE

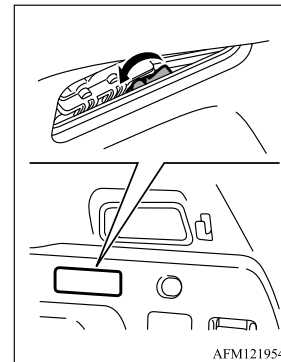
- After unlocking the connector in an emergency, perform the operation of charging connector unlock (see "How to unlock the charge connector lock" on page 62) as a recovery operation, and then insert the charging connector next time.



1. Remove the cover by inserting a flat-blade screwdriver with a cloth on the tip into the notch on the cover, on the right side of the luggage room.

NOTE

2. The normal charge connector is unlocked by turning the white dial, which can be seen from the underside of the cut out of the lid, counterclockwise about 12 times.



Normal charging (charging method with EVSE)

NO7201100038

*EVSE: Electric Vehicle Supply Equipment

You can charge your vehicle through the normal charge port using 240 V Electric Vehicle Supply Equipment (EVSE) compatible with ROGUE.

Carefully read instructions on "Li-ion battery" on page 22.

For connecting/disconnecting the charging connector to/from the vehicle, follow the instructions for "Normal charging (charging method with rated AC 120 V outlet)" on page 51. Also, NISSAN recommends that all 240 V home charging docks be installed by a licensed professional electrician using a dedicated circuit. Please review and follow the instructions provided with your charging dock.

WARNING

- Individuals using an electro-medical apparatus such as implantable pacemakers and implantable cardiovascular defibrillators should check with the manufacturer of the apparatus to confirm the effect of the electromagnetic waves from charging. The electromagnetic waves may affect the operations of the electro-medical apparatus.
- If you use an electro-medical apparatus, such as an implantable cardiac pacemaker or an implantable cardiovascular defibrillator, observe the following precautions before charging;
 - Keep your electro-medical apparatus away from the charge connector, EVSE (Electric Vehicle Supply Equipment), control box and normal charging station.
 - While normal charging;
 - Do not stay inside the vehicle.

WARNING

- Do not get in the vehicle (including the cargo area) to take out something or for other purpose.
- Do not open the liftgate, for example to remove or place an item in the cargo area.
- Do not ride in the cargo area or sit on 2nd row seats when they are folded down while the vehicle is being driven. These areas are not equipped with proper passenger restraints and do not provide adequate support, increasing the risk of serious injury in the event of sudden stops or collisions. Individuals using electro-medical devices, such as pacemakers, should not occupy the cargo area while the vehicle is running, as electromagnetic interference from vehicle systems may affect device functionality. Additionally, do not occupy the rear seat footwell or remain in the cargo area while the vehicle is running.

CAUTION

Be sure to use a 240 V EVSE compatible with ROGUE. Use of a non-compatible 240 V EVSE may not charge the Li-ion battery correctly or may damage the Li-ion battery.

NOTE

- The 240 V EVSE compatible with ROGUE is available separately. It is recommended that you contact a Nissan Electric Vehicle certified dealer.
- Operation noise may be heard from the vehicle body during normal charging. This noise comes from operation of the Li-ion battery cooling system, and it is not a malfunction.
- Since the Li-ion battery cooling system uses refrigerant of the air conditioning, the air conditioning is automatically operated. After normal charging, if the area under the vehicle is wet, odorless and transparent, it is dehumidified water from the air conditioning and not a malfunction.

Charging timer

N07201300030

If you specify the charging start time or charging end time while the normal charging cable is connected, charging will be performed at that time.

For details, see the separate NissanConnect® Owner's Manual.

Immediate charge

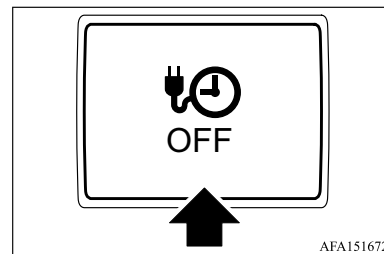
N07201400031

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 need to start charging immediately while a charging timer is turned on.

To perform the immediate charge:

1. Place the push-button power switch in the OFF position.
2. Push the immediate charge switch.



3. Connect the normal charge cable to start the immediate charging mode. Then make sure that the charging port courtesy light is blinking.

NOTE

- You have 15 minutes to connect a normal charge connector to the vehicle after the immediate charge switch is pushed. 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, push the immediate charge switch again before connecting the charge cable.

NOTE

- If the charge cable is disconnected in the immediate charge mode, the immediate charge stops and the charge mode automatically switches to charging timer. To perform an immediate charge again, push the immediate charge switch and connect the charge cable.
- If the charge cable is already connected, push the immediate charge switch to start performing an immediate charge.

How to use electric device during charging

N07201500032

If you turn the operation mode of the push-button power switch to "ON" during normal charging, you can use the air conditioner, car navigation system, audio equipment and so on.

When using electrical devices

N07201800035

1. Start the normal charging.
Refer to "Normal charging (charging method with rated AC 120 V outlet)" on page 51.
Refer to "Normal charging (charging method with EVSE)" on page 64.
2. Confirm that the plug in indicator light in the meter is blinking.

NOTE

If the plug in indicator light is not blinking, the electrical devices will not be operated. Check that the charging is done correctly.

3. Put the operation mode of the push-button power switch from OFF to ON.
Refer to "Push-button power switch" on page 352.

NOTE

- Always put the operation mode of the push-button power switch in ON after the plug in indicator light is blinking. Charging may not start when put the operation mode of the push-button power switch in ON before the plug in indicator light is blinking.
- When the operation mode of the push-button power switch is ON, the door and liftgate cannot be locked by the keyless entry or the Intelligent Key system function. When leaving the vehicle, put the operation mode in OFF and lock the vehicle.
- If the push-button power switch remains ON for approximately 30 minutes, the power mode auto cut function will activate and the power will be automatically turned off even when the air conditioner is operating. When you operate the push-button power switch, the power turns ON again.

4. Electric devices such as air conditioner, car navigation system, audio equipment can be used.

Refer to "Vehicle information display warnings and indicators" on page 187.

NOTE

- Put the operation mode in ON and use the electrical devices. If the operation mode of the push-button power switch is Auto ACC, the air conditioner cannot be used.
- For vehicles without heat pump, heating of air conditioner cannot be used during charging.
- If the meter display screen is switched to the energy monitor display, you can see the state of charging and discharging of the Li-ion battery.

For additional information about "Energy Flow" of the flow of energy monitor display during charging, refer to "Trip computer" on page 207.

When stopping the use of electrical devices

N07201900036

Put the operation mode of the push-button power switch in OFF. Refer to "Push-button power switch" on page 352.

NOTE

Charging continues even if the operation mode of the push-button power switch is put in OFF.

When the operation mode of the push-button power switch is put to OFF, air conditioner, car navigation system, audio equipment etc. are stopped.

Automatic stop of the air conditioner

N07202000034

In the following cases, the air conditioner automatically stops. When the air conditioner stops, the air conditioner control panel turns off.

- When the remaining amount of the Li-ion battery becomes low and the following warning display is appeared.

A/C and Heater
are Not Available
Battery Charge Low

AFA155625

Refer to "Vehicle information display warnings and indicators" on page 187.

NOTE

To use the air conditioner again after the air conditioner automatically stops, operate air conditioner control panel after the following message appeared so as to use the air conditioner.

NOTE

A/C and Heater
are Available

AFZ106127

Refer to "Vehicle information display warnings and indicators" on page 187.

Charging troubleshooting guide

N07202100035

Symptom	Possible cause	Possible solution
Charging cannot be started.	The operation mode of the push-button power switch in ON	Put the operation mode of the push-button power switch in "OFF" before charging.
	The Li-ion battery is already fully charged.	Charging cannot be performed if the Li-ion battery is already fully charged. Charging automatically turns off if the Li-ion battery is fully charged.
	The temperature of the Li-ion battery is too low to charge.	If the temperature of the Li-ion battery is extremely low, charging will not be performed. Refer to "Precautions and actions to deal with intense cold" on page 34.
	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 emergency start the 12-volt battery. It is recommended that you contact a Nissan Electric Vehicle certified dealer if the 12-volt battery charge is required. Refer to "Jump starting" on page 520 for emergency start.
	The vehicle or the charging cable has a malfunction.	The vehicle or charging cable may have a malfunction. Confirm if the "Plug-in Hybrid System warning light" (see "Warning/indicator lights (yellow)" on page 165) on the meter is illuminated. Confirm if the indicator on the control box is indicating a malfunction. (See "Normal charging cable" on page 45.) If a warning is displayed, immediately stop charging. It is recommended that you contact a Nissan Electric Vehicle certified dealer.

Charging troubleshooting guide

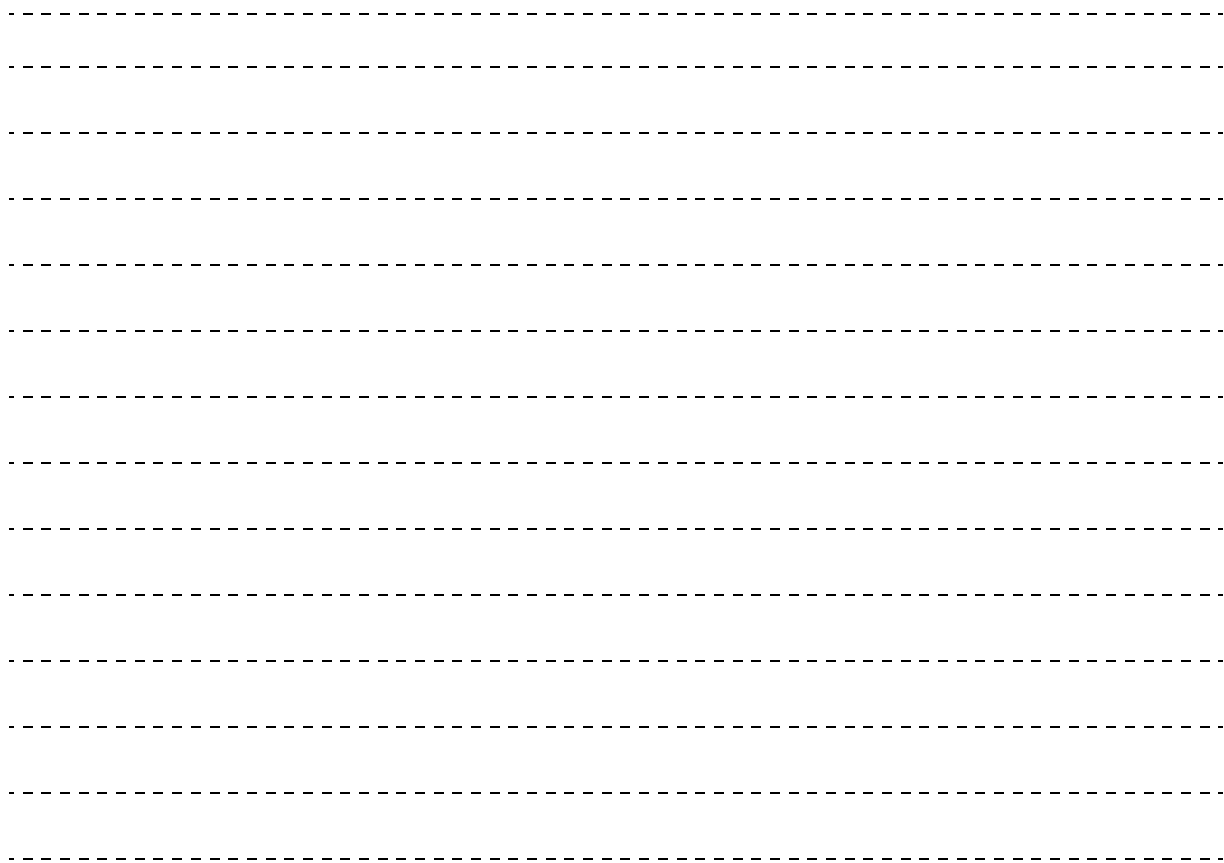
Symptom	Possible cause	Possible solution
Charging cannot be started.	The Plug-in Hybrid system was repeatedly started and stopped, or the charging connector was repeatedly plugged in and unplugged within a short period of time.	The Li-ion battery protect function may be temporarily activated. (See "Recovery operation of Plug-in Hybrid system" on page 513.)
Charging cannot be started (the charging port courtesy light illuminates in red).	The vehicle or charging device may have a malfunction.	Unplug the charging connector, start the Plug-in Hybrid system, set the EV mode to CHARGE mode, then turn off the push-button power switch and start charging. If charging still cannot be started, it is recommended that you contact a Nissan Electric Vehicle certified dealer.
Normal charging cannot be started.	There is no electrical power coming from the outlet.	Confirm that there has not been a power failure. Make sure the breaker is on. If an outlet with a timer device installed is used, power will only be available at the time set by the timer. Confirm if the READY (green) on the control box is illuminated.
	The charge connector is not connected correctly.	Confirm the charge connector is connected correctly.
	A charging cable for other manufacturer is used.	Use the EVSE (Electric Vehicle Supply Equipment) supplied by NISSAN.

Symptom	Possible cause	Possible solution
Normal charging cannot be started.	The normal charger which does not correspond to your vehicles is used.	Consult an administrator or a maker of the normal charger that it corresponds to your vehicle. Also perform normal charging according to the operating procedure indicated on the body of the normal charger.
	Reservation of charging timer is set up by the NissanConnect® System navigation system.	The normal charging cannot be started when the charging cable is connected, if the charging timer is set. Push the immediate charge switch or cancel all the charging timer settings, if you want to start the normal charging immediately. Refer to "Charging timer" on page 65. For the NissanConnect® System navigation system, refer to the separate owner's manual.
	Poor grounding connection of EV charging outlet.	The ground wire of the outlet is broken or not connected. Check the grounding status of the outlet. Check the indicator on the control box. Refer to "Charging from rated AC 120 V outlet" on page 55.
Normal charging is discontinued.	There is no power coming from the outlet.	There may have been an electrical power failure, or the breaker may have failed. Charging will resume when the power source is reset.
	The normal charging cable has been disconnected.	Check that the normal charging cable has been connected correctly.
	The button on the normal charge connector has been pressed.	If the LOCK Release Button is pressed for a long period of time, charging will be stopped. Start the charging procedure again.

Charging troubleshooting guide

Symptom	Possible cause	Possible solution
Normal charging is discontinued.	The temperature of the Li-ion battery is too low to charge.	If the temperature of the Li-ion battery is extremely low, charging will not be performed. Refer to "Precautions and actions to deal with intense cold" on page 34.
	Charging is stopped by the normal charge timer.	Charging will stop depending on the timer function setting of the normal charge device. If you want to charge more, disconnect and connect the charging connector and start charging again.
	The Charging timer was set up by the NissanConnect® System navigation system.	Cancel all the charging timer settings. Refer to "Charging timer" on page 65. For the NissanConnect® System navigation system, refer to the separate owner's manual.
	Poor grounding connection of EV charging outlet.	The ground wire of the outlet is broken or not connected. Check the grounding status of the outlet. Check the indicator on the control box. Refer to "Charging from rated AC 120 V outlet" on page 55.
	The vehicle or the charging cable has a malfunction.	The vehicle or charging cable may have a malfunction. Confirm if the "Plug-in Hybrid System warning light" (see "Warning/indicator lights (yellow)" on page 165) on the meter is illuminated. Confirm if the indicator on the control box is indicating a malfunction. (See "Normal charging cable" on page 45.) If a warning is displayed, immediately stop charging. It is recommended that you contact a Nissan Electric Vehicle certified dealer.

Symptom	Possible cause	Possible solution
A beep sounds while charging.	When the hood opens while high-voltage parts are working, a beeping sound continues to inform you that the inside of the engine compartment is in a hazardous state.	Close the hood without touching anything in the engine compartment.

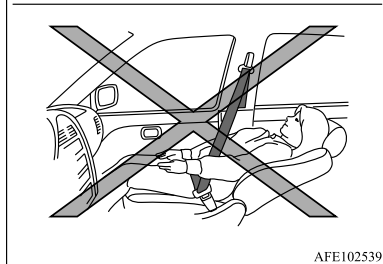
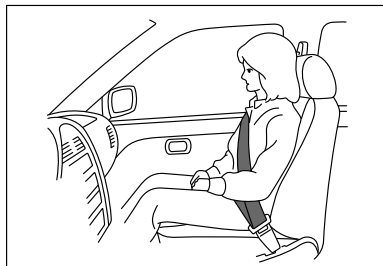


Safety - Seats, seat belts and supplemental restraint system

Seats	76
Head restraints	85
Seat belts	89
Child safety	97
Child restraints	100
Supplemental Restraint System (SRS)	120

Seats

N07300100045



AFE102539

⚠ WARNING

- Do not place objects under the seats. This could prevent the seat from locking securely, and it could lead to an accident. It may also cause damage to the seat or other parts.

⚠ WARNING

- Do not ride in a moving vehicle when the seatback is reclined. Doing so can be dangerous and the shoulder belt will not be against your body. In an accident, you could be thrown, the shoulder belt could injure to the neck or you could sustain other serious internal injuries.
- For the most effective protection when the vehicle is in motion, the seat should be upright. Always sit fully back and upright in the seat with both feet on the floor and adjust the seat properly. See "Precautions on seat belt usage" on page 89.
- After adjustment, gently rock in the seat to make sure it is securely locked.
- Be sure to adjust the seat before driving. Adjusting a seat while driving may lead to an unexpected accident.

⚠ WARNING

- Do not leave children unattended inside the vehicle. They could unknowingly activate switches or controls. Unattended children could become involved in serious accidents.
- To help avoid risk of injury or death through unintended operation of the vehicle and/or its systems, do not leave children, people who require the assistance of others or pets unattended in your vehicle. Additionally, the temperature inside a closed vehicle on a warm day can quickly become high enough to cause a significant risk of injury or death to people and pets.
- Do not adjust the driver's seat while driving so full attention may be given to vehicle operation. The seat may move suddenly and could cause loss of control of the vehicle.

⚠ WARNING

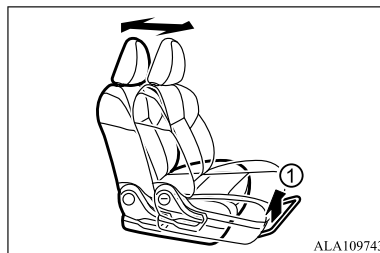
- The seatback should not be reclined any more than needed for comfort. Seat belts are most effective when the passenger sits well back and straight up in the seat. If the seatback is reclined, the risk of sliding under the lap belt and being injured is increased.

⚠ CAUTION

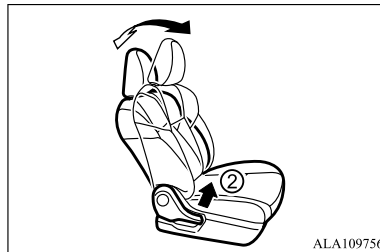
- When adjusting the seat positions, be sure not to contact any moving parts to avoid possible injuries and/or damage.
- The seat adjustment must be performed by an adult. If a child adjust a seat, it may cause an unexpected accident.

Front seats

N07300200075

Front manual seat adjustment (if so equipped)

ALA109743



ALA109756

■ Forward and backward

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

■ Reclining

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

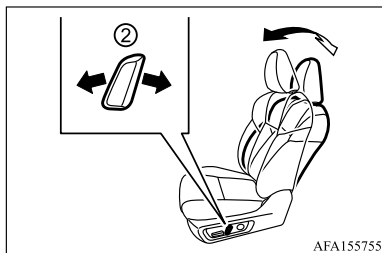
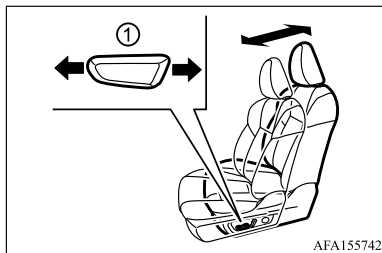
The reclining feature allows the adjustment of the seatback for occupants of different sizes to help obtain the proper seat belt fit. (See “Seat belts” on page 89.) The seatback may be reclined to allow occupants to rest when the vehicle is parked.

Front power seat adjustment (if so equipped)

■ Operating tips

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

See "Memory seat" on page 299 for the seat position memory function (if so equipped).



■ Forward and backward

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

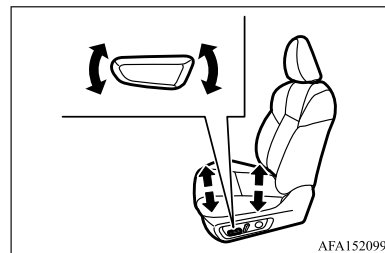
■ Reclining

Move forward or backward the adjusting switch ② to the desired position.

The reclining feature allows the adjustment of the seatback for occupants of different sizes to help obtain the proper seat belt fit. (See "Seat belts" on page 89.)

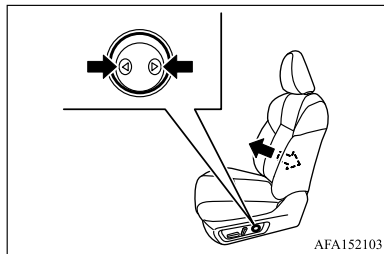
The seatback may be reclined to allow occupants to rest when the vehicle is parked.

■ Seat lifter



Move the switch as shown to adjust the angle of the front portion or height of the seat.

■ Lumbar support



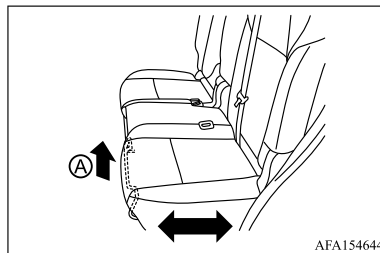
The lumbar support feature provides lower back support to the driver.

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

2nd row seats

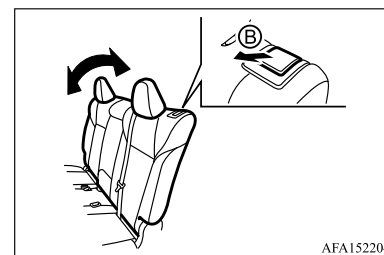
N07300300076

Forward and backward



Pull up the adjusting lever (A) and slide the seat to the desired position. Release the adjusting lever to lock the seat position.

Reclining



Pull the reclining lever (B) and position the seatback at the desired angle. Release the reclining lever after positioning the seat at the desired angle. The center seat is reclined with the left side seat reclining lever. To return the seatback, pull the lever.

The reclining feature allows adjustment of the seatback for occupants of different sizes to help obtain proper seat belt fit. (See "Booster seats" on page 117.) The seatback may also be reclined to allow occupants to rest when the vehicle is parked.

WARNING

- Do not ride in a moving vehicle when the seatback is reclined. Doing so can be dangerous and the shoulder belt will not be against your body. In an accident, you could be thrown, the shoulder belt could injure to the neck or you could sustain other serious internal injuries.
- For the most effective protection when the vehicle is in motion, the seat should be upright. Always sit fully back and upright in the seat with both feet on the floor and adjust the seat belt properly. See "Booster seats" on page 117.
- After adjustment, check to be sure the seat is securely locked.
- Be sure to adjust the seat before driving. Adjusting a seat while driving may lead to an unexpected accident.

WARNING

- When a person is sitting in the middle seating position of the 2nd row seats, the two sides of the 2nd row seats must have the same forward/backward position and the same seat-back angle.

CAUTION

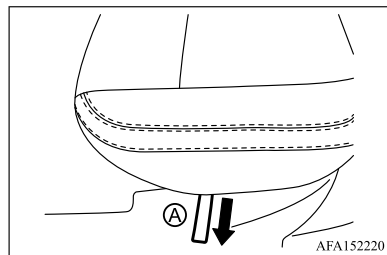
- When adjusting the seat position, be careful not to touch moving parts to prevent injury or damage.
- The seat adjustment must be performed by an adult. If a child adjusts a seat, it may cause an unexpected accident.

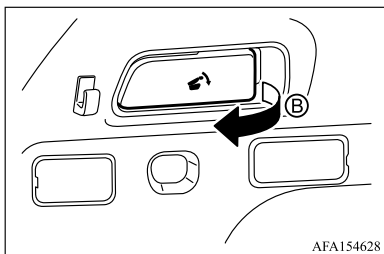
Folding

Before folding the 2nd row seats

- Store the armrest.
- Secure the outer seat belt on the belt clip.

- If the 2nd row seats is equipped with the head restraints, slide the front seat forward and 2nd row seat most rearward position to make enough room behind the seat so that the 2nd row seat-back can be folded flat.
- Remove drink containers from the rear cup holder.
- Lower the center head restraint of the 2nd row seat to the lowest position.





To fold down the seatback

Perform either of the following operations to fold down the seatback:

- Pull the strap **A** on the side of the outboard seats.
- Fold the 3rd row seat (see “3rd row seats” on page 83) and pull the one-touch 2nd row seat folding lever **B** located on the side of the cargo area.

To return the seatback

To return the 2nd row seatback, pull the strap **A**, or fold the 3rd row seat (see “3rd row seats” on page 83) and pull the lever **B** and raise the seatback until it latches.

When returning the seatback, make sure that the seat belt is not interfering with the seatback latch mechanism.

⚠ WARNING

- Do not ride in the cargo area or sit on 2nd row seats when they are folded down while the vehicle is being driven. These areas are not equipped with proper passenger restraints and do not provide adequate support, increasing the risk of serious injury in the event of sudden stops or collisions. Individuals using electro-medical devices, such as pacemakers, should not occupy the cargo area while the vehicle is running, as electromagnetic interference from vehicle systems may affect device functionality. Additionally, do not occupy the rear seat footwell or remain in the cargo area while the vehicle is running.

⚠ WARNING

- Do not fold down the 2nd row seats when occupants are in the 2nd row seat area or 3rd row seat, or any cargo is on the 2nd row seats.
- Properly secure all cargo to help prevent it from sliding or shifting. Do not place cargo higher than the seatbacks.
- When returning the seatbacks to the upright position, be certain they are completely secured in the latched position. If they are not completely secured, passengers may be injured in an accident or sudden stop.

Walk-in mechanism

The 2nd row seats can tilt and slide for easy entry/exit to/from the 3rd row seats.

WARNING

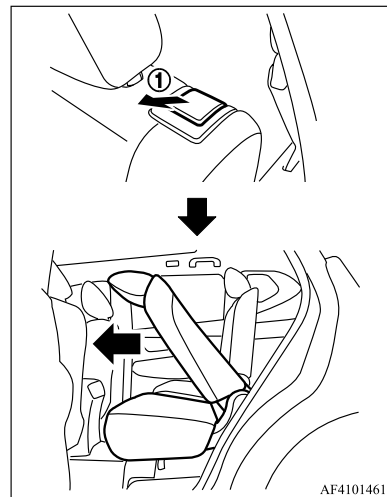
After operating the walk-in mechanism, be sure to return the seat to the proper position, taking care of the 3rd row seat passengers, and then tilt up the seatback until it latches.

CAUTION

- Before operating the walk-in mechanism, store the 2nd row seat armrest.
- When operating the walk-in mechanism, push and hold the seatback and operate slowly. If the seatback is tilted down quickly and then allowed to slide, there is a risk that it could contact your face or other parts of your body, or pinch your hand or foot, causing injury.
- When operating the walk-in mechanism, be sure not to contact any moving parts to avoid possible injuries and/or damage.

CAUTION

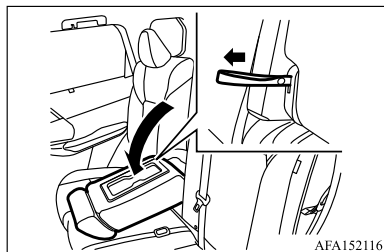
- When operating the walk-in mechanism, be sure that the 2nd row seats are not occupied by passengers and/or any objects to avoid possible injuries and/or damage.
- Do not operate the walk-in mechanism with objects, drinks, etc. on the seat. This may cause objects to break or cause the passenger room to be soiled.



1. Pull the lever ① to tilt down the seatback.
2. Slide the seat forward.
3. When returning the seat to its original position, tilt the seatback up, slide the seat backward where the sufficient space for the 3rd row seat foot area remains, and then secure it in place.

Armrest

2nd row seats



Pull the strap and down the armrest as shown.

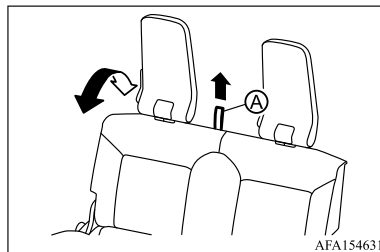
⚠ WARNING

Never sit on an armrest. Doing so could damage the armrest. Also, failure to follow this instruction could result in serious injury.

3rd row seats

N07300400077

Reclining



Pull the strap (A) on the back side of the seat and position the seatback at the desired angle. Release the strap after positioning the seat at the desired angle.

The reclining feature allows adjustment of the seatback for occupants of different sizes to help obtain proper seat belt fit. The seatback may also be reclined to allow occupants to rest when the vehicle is parked.

⚠ WARNING

- The 3rd row seats are intended for use by no more than two belted occupants, each of which does not exceed 63 inches (160 cm) in height. Exceeding these limitations can result in an increased risk of personal injury or death in the event of an accident.
- Do not ride in a moving vehicle when the seatback is reclined. Doing so can be dangerous and the shoulder belt will not be against your body. In an accident, you could be thrown, the shoulder belt could injure to the neck or you could sustain other serious internal injuries.
- For the most effective protection when the vehicle is in motion, the seat should be upright. Always sit fully back and upright in the seat with both feet on the floor and adjust the seat belt properly.
- After adjustment, check to be sure the seat is securely locked.

⚠ WARNING

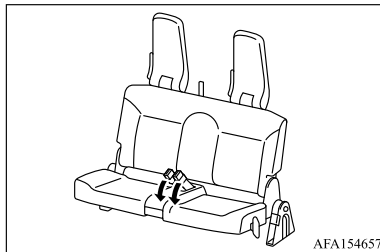
- Be sure to adjust the seat before driving or before the vehicle is in motion. If the driver adjusts the seat while driving it may lead to an unexpected accident; if the driver or passenger adjusts the seat while the vehicle is in motion, it may cause injury if an accident occurs.

⚠ CAUTION

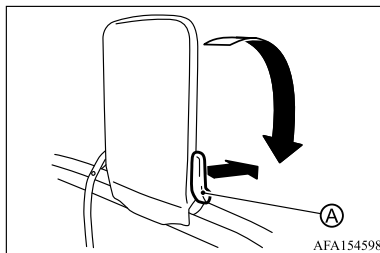
- When adjusting the seat position, be careful not to touch moving parts to prevent injury or damage.
- The seat adjustment must be performed by an adult. If a child adjust a seat, it may cause an unexpected accident.

Folding and returning

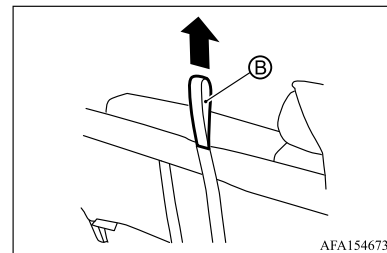
1. Fold down the seat belt buckles forward.



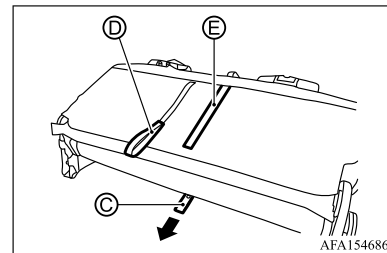
2. Push the lever **A** and fold the head restraints.



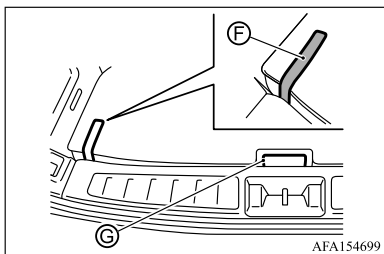
3. Pull the strap **B** and fold the seatback forward.



4. Pull the strap **C** under the seat cushion to unlock the 3rd row seats, then pull the strap **D** to rotate the entire 3rd row seat backwards for storage.



5. Secure the 3rd row seats with strap **F**.



NOTE

After stowing the seats, secure it with the strap ⑥ located on the left side of the rear end trim. Failure to do so may result in noise when driving.

6. To return the 3rd row seats, remove the strap ⑥, grip the handle ⑦ and rotate the entire 3rd row seats forward. Then pull the strap ⑧ to pull up the seatback and fixed, and set the head restraints in the original position.

WARNING

- Do not ride in the cargo area or sit on 2nd row seats when they are folded down while the vehicle is being driven. These areas are not equipped with proper passenger restraints and do not provide adequate support, increasing the risk of serious injury in the event of sudden stops or collisions. Individuals using electro-medical devices, such as pacemakers, should not occupy the cargo area while the vehicle is running, as electromagnetic interference from vehicle systems may affect device functionality. Additionally, do not occupy the rear seat footwell or remain in the cargo area while the vehicle is running.
- 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.
- After adjustment, check to be sure the seat is securely locked.

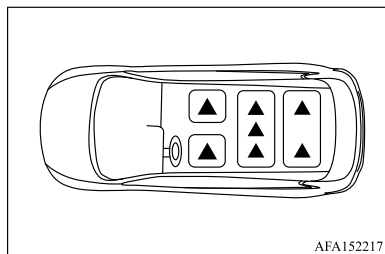
Head restraints

N07300500078

WARNING

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

Head restraints



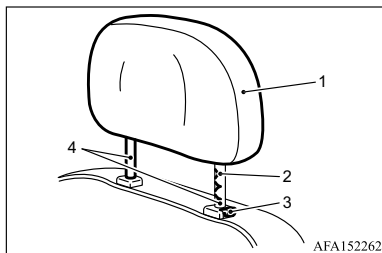
▲ Indicates the seating position is equipped with a head restraint.

- Your vehicle is equipped with a head restraint that may be integrated, adjustable or non-adjustable.
- Adjustable head restraints have multiple notches along the stalk to lock them in a desired adjustment position.
- The non-adjustable head restraints have a single locking notch to secure them to the seat frame.
- The head restraints of the 2nd row seats and 3rd row seats are non-adjustable head restraints.

● Proper Adjustment:

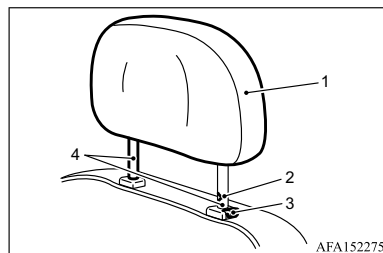
- For the adjustable type, align the head restraint so the center of your ear is approximately level with the center of the head restraint.
- If your ear position is still higher than the recommended alignment, place the head restraint at the highest position.
- If the head restraint has been removed, ensure that it is reinstalled and locked in place before riding in that designated seating position.

Adjustable head restraint components

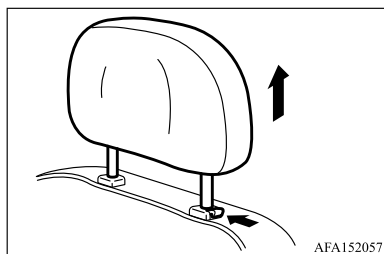


1. Removable head restraint
2. Multiple notches
3. Lock knob
4. Stalks

Non-adjustable head restraint components

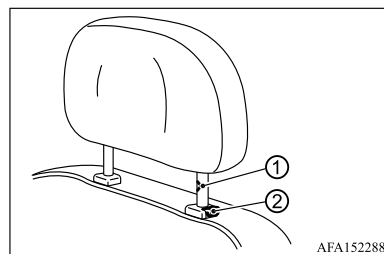


1. Removable head restraint
2. Single notch
3. Lock knob
4. Stalks

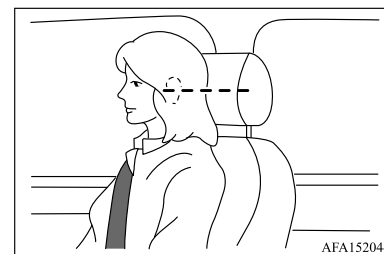
Remove

Use the following procedure to remove the head restraint.

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

Install

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

Adjust**For adjustable head restraint**

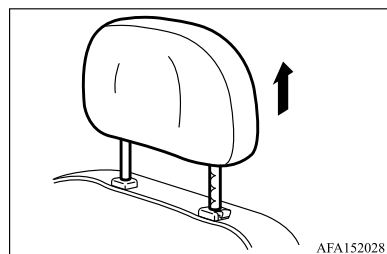
Adjust the head restraint so the center is level with the center of your ears. If your ear position is still higher than the recommended alignment, place the head restraint at the highest position.

For non-adjustable head restraint

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

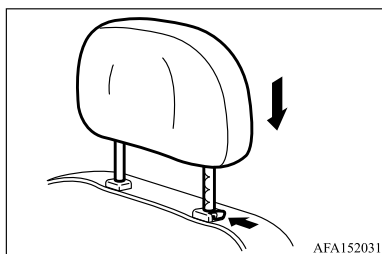
Head restraints

Raise

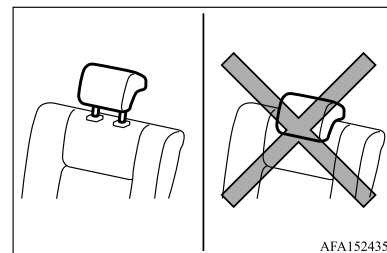


To raise the head restraint, pull it up. Make sure the head restraint is positioned so the lock knob is engaged in the notch before riding in that designated seating position.

Lower



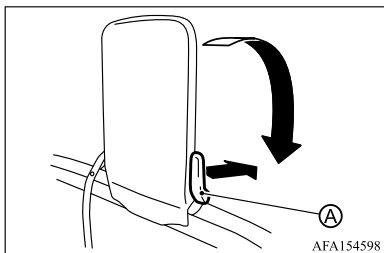
To lower, push and hold the lock knob and push the head restraint down. Make sure the head restraint is positioned so the lock knob is engaged in the notch before riding in that designated seating position.



WARNING

When a person sits in the second center seating position, pull up the head restraint to a height at which it locks in position. Be sure to make this adjustment before starting to drive. Serious injuries could otherwise be suffered in the result of an impact.

3rd row seats



Push the lever ① and fold the head restraints.

To put it back to the original position, pull up the head restraints.

Seat belts

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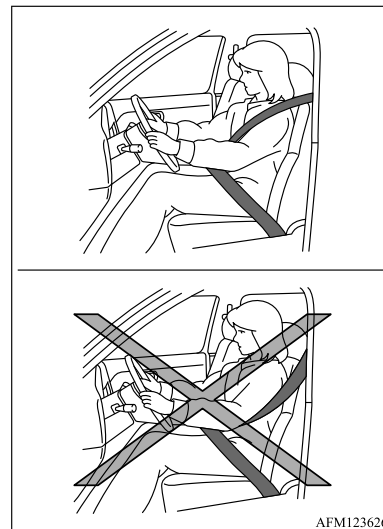
Precautions on seat belt usage

N07300700070

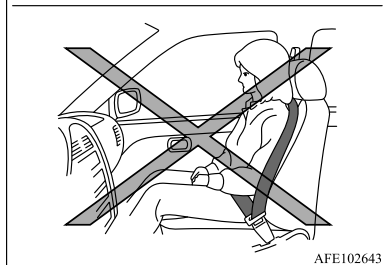
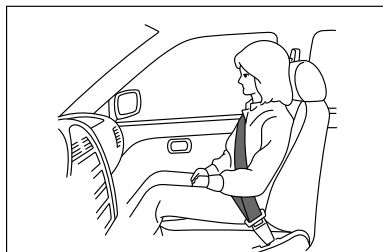
If you are wearing your seat belt properly adjusted, and you are sitting upright and well back in your seat with both feet on the floor, your chances of being

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, even if your seating position includes an air bag.

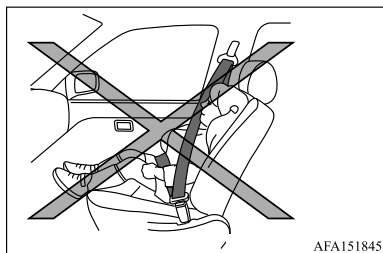
Most U.S. states and Canadian provinces or territories specify that seat belts be worn at all times when a vehicle is being driven.



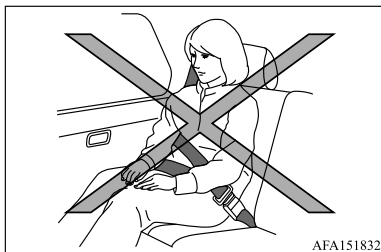
Seat belts



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WARNING

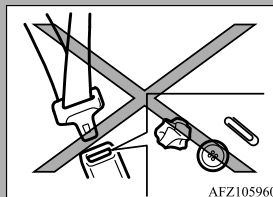
- Every person who drives or rides in this vehicle should use a seat belt at all times. Children should be properly restrained in the rear seat whenever possible. If a child must ride in the front passenger seat, move the seat to the most rearward position and make sure the child stays in the child restraint system, properly restrained. Failure to follow these instructions could result in serious injury or death to the child.

WARNING

- 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.

⚠ WARNING

- 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 glows continuously while the push-button 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. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service.
- 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 or death.

⚠ WARNING

- Never insert any foreign object, such as a piece of plastic, paper clip, button or coin, into the seat belt buckle.
- Once a seat belt with pretensioner has activated, it cannot be reused and must be replaced together with the retractor. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service.

⚠ WARNING

- All seat belt assemblies, including retractors and attaching hardware, should be inspected after any collision. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service. 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.

Seat belt warning light and chime

N07300800071



The driver and front passenger seats are equipped with an enhanced seat belt reminder function. A visual and audible alert will operate if a driver or front passenger seat belt is unbuckled at speeds of approximately 10 MPH (15 km/h) or more under the following conditions:

- If the driver seat belt is not fastened.

- The front passenger's seat belt is not fastened and the seat is occupied by a passenger for 7 seconds after the push-button power switch is placed in the ON position.
- The front passenger's seat belt is not fastened and objects or external force on the passenger seat change the seat belt reminder classification to "occupied".

The seat belt warning light will flash under the conditions shown above until the necessary seat belt is securely fastened.

A warning chime will sound for approximately 95 seconds or until one of the following conditions is met:

- The unbuckled front passenger's seat belt is securely fastened.
- The seat belt reminder function in the front passenger seat no longer detects that the front passenger seat is occupied.

- The push-button power switch is turned off.

The below situations could result in the seat belt warning light being illuminated and the chime sounding, even with no occupant present in the passenger seat:

- Heavy objects placed on the seat.
- Someone pushing or pulling on the front passenger seat.
- An object placed under the front passenger seat.
- An object placed between the seat cushion and center console or between the seat cushion and the door.
- An object hanging on the seat or placed in any of seatback pocket.
- A child restraint or other object pressing against the rear of the seatback.

The rear seats are equipped with a seat belt warning in the vehicle information display. (For additional information about "Seat

belt warning light and chime”, refer to “Warning/indicator lights (red)” on page 161. For additional information about “Rear seat belt warning” on vehicle information display, see “Vehicle information display warnings and indicators” on page 187.)

Pregnant women

N07300900043

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

N07301000041

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

N07301100084

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.
- Do not ride in a moving vehicle when the seatback is reclined. Doing so can be dangerous and the shoulder belt will not be against your body. In an accident, you could be thrown, the shoulder belt could injure to the neck or you could sustain other serious internal injuries.
- For the most effective protection when the vehicle is in motion, the seat should be upright. Always sit fully back and upright in the seat with both feet on the floor and adjust the seat belt properly.

WARNING

- Do not allow children to play with the seat belts. Most seating positions are equipped with Automatic Locking Retractor (ALR) mode seat belts. If the seat belt becomes wrapped around a child's neck with the ALR mode activated, the child can be seriously injured or killed if the seat belt retracts and becomes tight. This can occur even if the vehicle is parked. Unbuckle the seat belt to release the child. If the seat belt cannot be unbuckled or is already unbuckled, release the child by cutting the seat belt with a suitable tool (such as a knife or scissors) to release the seat belt.

Fastening the seat belts

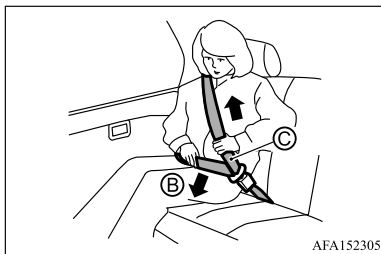
1. Adjust the seat. (See “Seats” on page 76.)
2. Slowly pull the seat belt out of the retractor and insert the tongue into the buckle  until you hear and feel the latch engage.

Seat belts

- 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.

The three-point seat belts in the front passenger seat and the rear seating positions have two modes of operation:

- Emergency Locking Retractor (ELR)
- Automatic Locking Retractor (ALR)

The Emergency Locking Retractor (ELR) mode allows the seat belt to extend and retract to

allow the driver and passengers some freedom of movement in the seat. The ELR locks the seat belt when the vehicle slows down rapidly or during certain impacts. The Automatic Locking Retractor (ALR) mode (child restraint mode) locks the seat belt for child restraint installation.

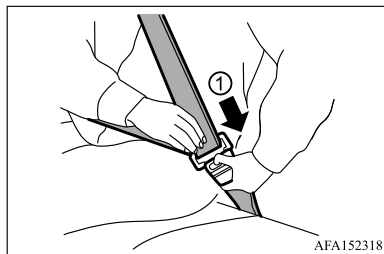
When ALR mode is activated the seat belt cannot be extended again until the seat belt tongue is detached from the buckle and fully retracted. The seat belt returns to the ELR mode after the seat belt fully retracts. For additional information, see "Child restraints" on page 100.

The ALR mode should be used only for child restraint installation. During normal seat belt use by an occupant, the ALR mode should not be activated. If it is activated, it may cause uncomfortable seat belt tension.

⚠ WARNING

When fastening the seat belts, be certain that seatbacks are completely secured in the latched position. If they are not completely secured, passengers may be injured in an accident or sudden stop.

Unfastening the seat belts



To unfasten the seat belt, push the button on the buckle ①. The seat belt automatically retracts.

- As the belt retracts automatically, keep the latch plate held while retracting so that the belt stows slowly. Failure to do this could damage the vehicle.

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.

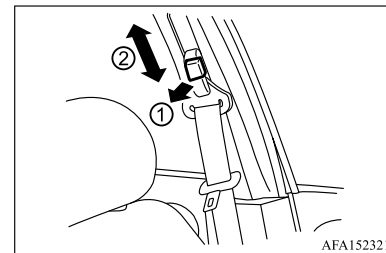
To increase your confidence in the seat belts, check the operation as follows:

- 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, get the system checked. It is recommended you

visit a Nissan Electric Vehicle certified dealer for this service, or to learn more about seat belt operation.

Shoulder belt height adjustment (for front seats)



The shoulder belt anchor height should be adjusted to the position best for you. (See "Precautions on seat belt usage" on page 89.)

To adjust, pull the adjustment button ①, and then move the shoulder belt anchor to the desired position ②, so that the belt passes over the center of the

Seat belts

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.

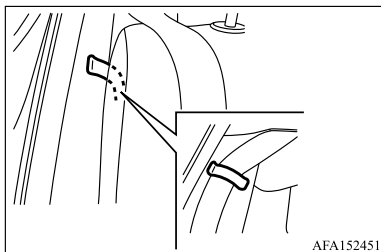
The range of height adjustment of the shoulder belt may vary depending on the model.

WARNING

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

Seat belt clip

Example



When the seat belt is not in use and when folding down the 2nd row or 3rd row seats, clip the 2nd row or 3rd row outer seat belts on the seat belt clips.

Be sure not to clip the seat belt tongue to the clip.

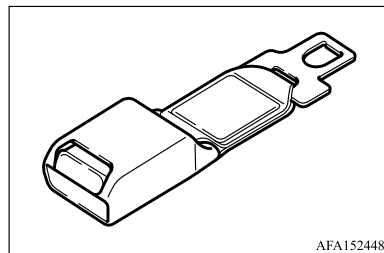
WARNING

Before folding up the 2nd row or 3rd row seats, ensure the seat belts are not obstructing the seat-back latches to avoid damage to the seat belt webbing.

Seat belt extenders

NO7301200027

If your seat belt, even when fully extended, is not long enough, a seat belt extender must be obtained. The extender may be used for either of the front seats.



WARNING

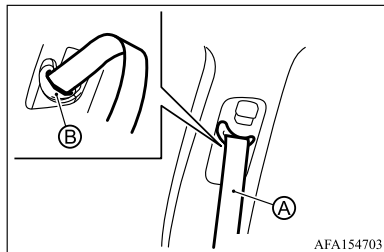
- The extender should only be used if the existing belt is not long enough. Anyone who can use the standard seat belt should not use an extender. Unnecessary use of an extender can adversely affect seat belt performance in an accident.

⚠ WARNING

- When not required, the extender must be removed and stowed.
- Never use seat belt extenders to install child restraints. If the child restraint is not secured properly, the child could be seriously injured or killed in a collision or a sudden stop.

Seat belt maintenance

N07301300086



AFA154703

- If the seat belt (A) or ring (B) becomes dirty, the belt may not retract smoothly. Even if the seat belt and ring do not appear dirty, they may actually be dirty. Clean the entire seat belt with a neutral detergent solution, and wipe off the ring. Removing non-visible dirt may help the seat belt to retract more smoothly. Refer to "Cleaning the seat belts" on page 576
- 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

N07301400074

⚠ WARNING

Do not allow children to play with the seat belts. Most seating positions are equipped with Automatic Locking Retractor (ALR) mode seat belts. If the seat belt becomes wrapped around a child's neck with the ALR mode activated, the child can be seriously injured or killed if the seat belt retracts and becomes tight. This can occur even if the vehicle is parked. Unbuckle the seat belt to release the child. If the seat belt cannot be unbuckled or is already unbuckled, release the child by cutting the seat belt with a suitable tool (such as a knife or scissors) to release the seat belt.

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, includ-

Child safety

ing 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 three basic types of child restraint systems:

- Rear-facing child restraint
- Forward-facing child restraint
- Booster seat

The proper restraint depends on the child's size. Generally, infants up to about 1 year should be placed in rear-facing child restraints. Forward-facing child restraints are available for children who outgrow rear-facing child restraints and are at least 2 years old. Booster seats are used to help position a vehicle lap/shoulder belt on a child who can no longer use a forward-facing child restraint.

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.

All U.S. states and Canadian provinces or territories require the use of approved child restraints for infants and small children. See "Child restraints" on page 100.

A child restraint may be secured in the vehicle by using either the LATCH (Lower Anchors and Tethers for CHildren) system or with the vehicle seat belt. See "Child restraints" on page 100 for more information.

NISSAN recommends that all pre-teens and children be restrained in the rear seat. Studies show that 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)" on page 120.

Infants

Infants up to at least 1 year old should be placed in a rear-facing child restraint. NISSAN recommends that infants be placed in child restraints that comply with Federal Motor Vehicle Safety Standards or Canadian Motor Vehicle Safety Standards. You should choose a child restraint that fits your vehicle and always follow the manufacturer's instructions for installation and use.

Small children

Small children should remain in a rear-facing child restraint as long as possible up to the height or

weight limit of the child restraint. Children who outgrow the height or weight limit of the rear-facing child restraint should be secured in a forward-facing child restraint with a harness. Refer to the manufacturer's instructions for minimum and maximum weight and height recommendations. NISSAN recommends that small children be placed in child restraints that comply with Federal Motor Vehicle Safety Standards or Canadian Motor Vehicle Safety Standards. You should choose a child restraint that fits your vehicle and always follow the manufacturer's instructions for installation and use.

Larger children

Children should remain in a forward-facing child restraint with a harness until they reach the maximum height or weight limit allowed by the child restraint manufacturer.

Once a child outgrows the height or weight limit of the harness-equipped forward-facing child restraint, NISSAN recommends that the child be placed in a commercially available booster seat to obtain proper seat belt fit. For a seat belt to fit properly, the booster seat should raise the child so that the shoulder belt is properly positioned across the chest and the top, middle portion of the shoulder. The shoulder belt should not cross the neck or face and should not fall off the shoulder. The lap belt should lie snugly across the lower hips or upper thighs, not the abdomen.

A booster seat can only be used in seating positions that have a three-point type seat belt. The booster seat should fit the vehicle seat and have a label certifying that it complies with Federal Motor Vehicle Safety Standards or Canadian Motor Vehicle Safety Standards.

A booster seat should be used until the child can pass the seat belt fit test below:

- Are the child's back and hips against the vehicle seatback?
- Is the child able to sit without slouching?
- Do the child's knees bend easily over the front edge of the seat with feet flat on the floor?
- Can the child safely wear the seat belt (lap belt low and snug across the hips and shoulder belt across mid-chest and shoulder)?
- Is the child able to use the properly adjusted head restraint?
- Will the child be able to stay in position for the entire ride?



If you answered no to any of these questions, the child should

Child restraints

remain in a booster seat using a three-point type seat belt.

NOTE

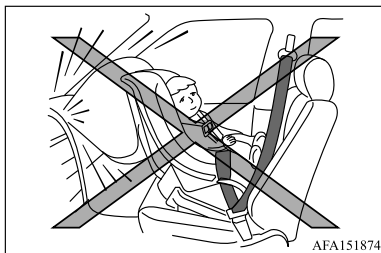
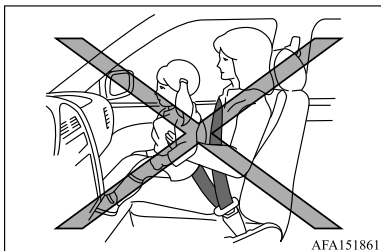
Laws in some communities may follow different guidelines. Check local and state regulations to confirm your child is using the correct restraint system before traveling.

WARNING

Never let a child stand or kneel on any seat and do not allow a child in the cargo area. The child could be seriously injured or killed in a sudden stop or collision.

Child restraints

N07301500059



Precautions on child restraints

WARNING

- Failure to follow the warnings and instructions for proper use and installation of child restraints could result in serious injury or death of a child or other passengers in a sudden stop or collision:
- The child restraint must be used and installed properly. Always follow all of the child restraint manufacturer's instructions for installation and use.

WARNING

- Infants and children should never be held on anyone's lap. Even the strongest adult cannot resist the forces of a collision.
- Do not put a seat belt around both a child and another passenger.
- NISSAN recommends that all child restraints be installed in the rear seat. Studies show that children are safer when properly restrained in the rear seat than in the front seat. If you must install a forward-facing child restraint in the front seat, see "Forward-facing child restraint installation using the seat belts" on page 112.
- Even with the NISSAN Advanced Air bag System, never install a rear-facing child restraint or infant restraint in the front seat. An inflating air bag could seriously injure or kill a child. A rear-facing child restraint or infant restraint must only be used in the rear seat.

⚠ WARNING

- Be sure to purchase a child restraint that will fit the child and vehicle. Some child restraints may not fit properly in your vehicle.
- Child restraint anchors 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 anchors. The child restraint will not be properly installed using the damaged anchor, and a child could be seriously injured or killed in a collision.
- Never use the anchor points for adult seat belts or harnesses.
- A child restraint with a top tether strap should not be used in the front passenger seat.

⚠ WARNING

- **Infants and children should always be placed in an appropriate child restraint while in the vehicle.**
- **When the child restraint is not in use, keep it secured with the LATCH system or a seat belt. In a sudden stop or collision, loose objects can injure occupants or damage the vehicle.**

⚠ CAUTION

A child restraint in a closed vehicle can become very hot. Check the seating surface and buckles before placing a child in the child restraint.

This vehicle is equipped with a universal child restraint anchor system, referred to as the LATCH (Lower Anchors and Tethers for Children) system. Some child restraints include rigid or webbing-mounted attachments that can be connected to these anchors.

For details, see "Lower Anchors and Tethers for Children (LATCH) system" on page 102.

If you do not have a LATCH compatible child restraint, the vehicle seat belts can be used.

Several manufacturers offer child restraints for infants and small children of various sizes. When selecting any child restraint, keep the following points in mind:

- Choose only a restraint with a label certifying that it complies with Federal Motor Vehicle Safety Standard 213 or Motor Vehicle Restraint Systems and Booster Seats Safety Regulations (RSSR).
- Check the child restraint in your vehicle to be sure it is compatible with the vehicle's seat and seat belt system.

Child restraints

- If the child restraint is compatible with your vehicle, place your child in the child restraint and check the various adjustments to be sure the child restraint is compatible with your child. Choose a child restraint that is designed for your child's height and weight. Always follow all recommended procedures.
- If the combined weight of the child and child restraint is less than 65 lb (29.5 kg), you may use either the LATCH anchors or the seat belt to install the child restraint (not both at the same time).
- If the combined weight of the child and child restraint is greater than 65 lb (29.5 kg), use the vehicle's seat belt (not the lower anchors) to install the child restraint.
- Be sure to follow the child restraint manufacturer's instructions for installation.

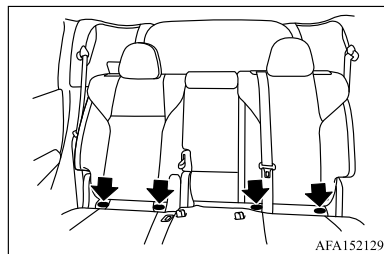
All U.S. states and Canadian provinces or territories require

that infants and small children be restrained in an approved child restraint at all times while the vehicle is being operated. Canadian law requires the top tether strap on forward-facing child restraints be secured to the designated anchor point on the vehicle.

Lower Anchors and Tethers for Children (LATCH) system

N07301600063

LATCH system anchor location



Your vehicle is equipped with special anchor points that are used with LATCH system compatible

child restraints. This system may also be referred to as the ISOFIX or ISOFIX compatible system. With this system, you do not have to use a vehicle seat belt to secure the child restraint unless the combined weight of the child and child restraint exceeds 65 lb (29.5 kg). If the combined weight of the child and child restraint is greater than 65 lb (29.5 kg), use the vehicle's seat belt (not the lower anchors) to install the child restraint. Be sure to follow the child restraint manufacturer's instructions for installation.

LATCH lower anchor

WARNING

Failure to follow the warnings and instructions for proper use and installation of child restraints could result in serious injury or death of a child or other passengers in a sudden stop or collision:

⚠ WARNING

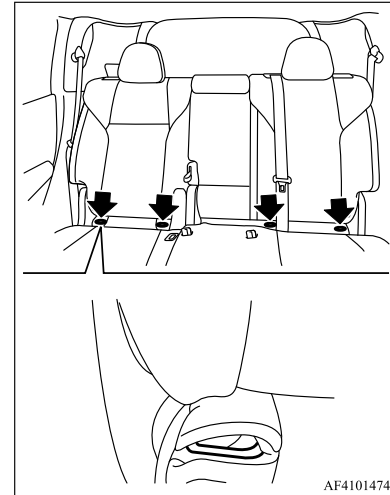
- Attach LATCH system compatible child restraints only at the locations shown in the illustration.
- Do not secure a child restraint in the center rear seating position using the LATCH lower anchors. The child restraint will not be secured properly.
- Inspect the lower anchors by inserting your fingers into the lower anchor area. Feel to make sure there are no obstructions over the anchors such as seat belt webbing or seat cushion material. The child restraint will not be secured properly if the lower anchors are obstructed.

⚠ WARNING

- Child restraint anchors 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 anchors. The child restraint will not be properly installed using the damaged anchor, and a child could be seriously injured or killed in a collision.

LATCH lower anchor location

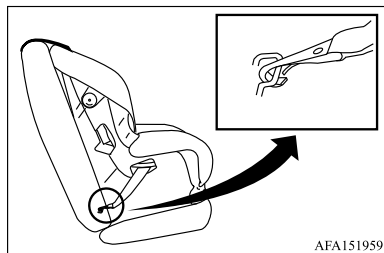
The LATCH lower anchor points are provided to install child restraints in the 2nd row out-board seating positions only. **Do not attempt to install a child restraint in the center seating position using the LATCH lower anchors.**



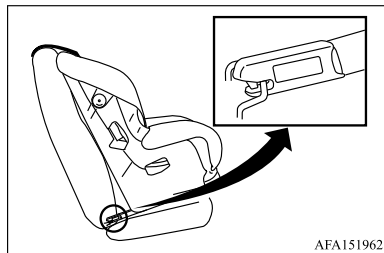
The LATCH lower anchor points are located at the 2nd row seat cushions.

Installing child restraint LATCH lower anchor attachments

LATCH webbing-mounted attachment



LATCH rigid lower anchor attachment



LATCH compatible child restraints include two rigid or webbing-mounted attachments that can be connected to two anchors located at certain seating positions in your vehicle. 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 LATCH. This information may also be in the instructions provided by the child restraint manufacturer.

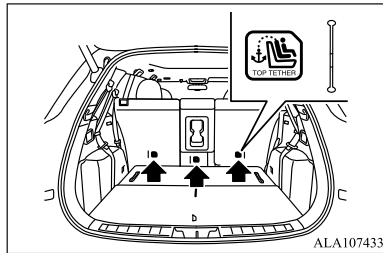
When installing a child restraint, carefully read and follow the instructions in this manual and those supplied with the child restraint.

Top tether anchor

⚠ WARNING

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 cargo cover (if so equipped) contacts the top tether strap when it is attached to the top tether anchor, remove the cargo cover from the vehicle. If the cargo 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.

Top tether anchor point locations



⚠ WARNING

Child restraint anchors 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 anchors. The child restraint will not be properly installed using the damaged anchor, and a child could be seriously injured or killed in a collision.

Anchor points are located on the back side of the seatbacks.

If a child restraint has a top tether strap, it must be used when installing with the LATCH lower anchor attachments or seat belts.

If you have any questions when installing a top tether strap child restraint on the rear seat, it is recommended you visit a Nissan Electric Vehicle certified dealer for this service.

Rear-facing child restraint installation using LATCH

N07301700077

Refer to all Warnings and Cautions in the "Child safety" and "Child restraints" sections before installing a child restraint.

Do not use the lower anchors if the combined weight of the child and the child restraint exceeds 65 lb (29.5 kg). If the combined weight of the child and the child restraint is greater than 65 lb (29.5 kg), use the vehicle's seat

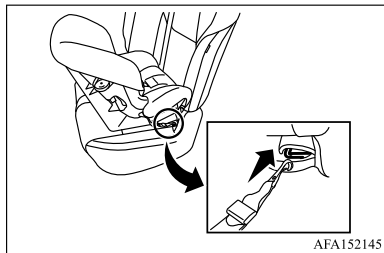
belt (not the lower anchors) to install the child restraint. Be sure to follow the child restraint manufacturer's instructions for installation.

Follow these steps to install a rear-facing child restraint using the LATCH system:

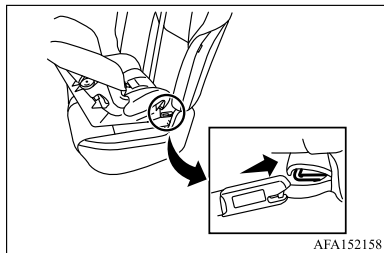
1. Position the child restraint on the seat. Always follow the child restraint manufacturer's instructions.
 - Adjust the seat where the child restraint system will be installed to the most rearward position.
 - Adjust the seat back angle to 3 positions rearward from the most upright position (2nd row seat).

Child restraints

Rear-facing web-mounted – step 2

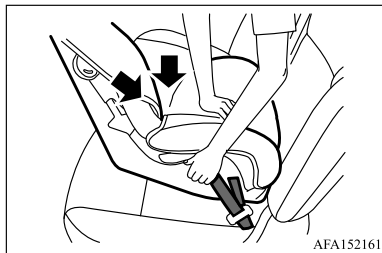


Rear-facing rigid-mounted – step 2



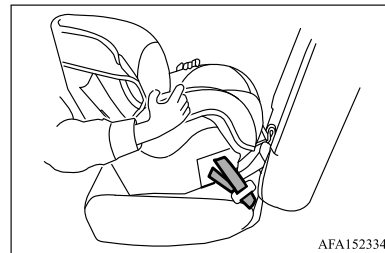
2. Secure the child restraint anchor attachments to the LATCH lower attachments. Check to make sure the LATCH attachment is properly attached to the lower anchors. Do not attach the child restraint on the 2nd row center seat.

Rear-facing – step 3



3. For child restraints that are equipped with webbing-mounted attachments, remove any additional slack from the anchor attachments. Press downward and rearward firmly in the center of the child restraint with your hand to compress the vehicle seat cushion and seatback while tightening the webbing of the anchor attachments.

Rear-facing – step 4



4. After attaching the child restraint, test it before you place the child in it. Push it from side to side while holding the child restraint near the LATCH attachment path. The child restraint should not move more than 1 inch (25 mm), from side to side. Try to tug it forward and check to see if the LATCH attachment holds the restraint in place. If the restraint is not secure, tighten the LATCH attachment as necessary, or put the restraint in another seat and test it again. You may need to try a different child restraint or try installing by using the vehicle seat belt (if applicable). Not all child restraints fit in all types of vehicles.

5. Check to make sure the child restraint is properly secured prior to each use. If the child restraint is loose, repeat steps 1 through 4.

Rear-facing child restraint installation using the seat belts

N07301800065

WARNING

The three-point seat belt with Automatic Locking Retractor (ALR) must be used when installing a child restraint. Failure to use the ALR mode will result in the child restraint not being properly secured. The restraint could tip over or be loose and cause injury to a child in a sudden stop or collision.

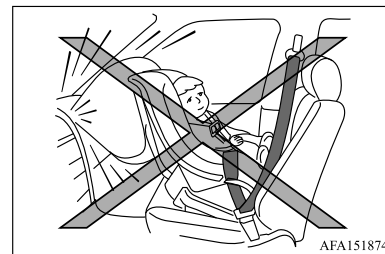
Refer to all Warnings and Cautions in the "Child safety" on page 97 and "Child restraints" on page 100 before installing a child restraint.

Do not use the lower anchors if the combined weight of the child and the child restraint exceeds 65 lb (29.5 kg). If the combined weight of the child and the child restraint is greater than 65 lb (29.5 kg), use the vehicle's seat

belt (not the lower anchors) to install the child restraint. Be sure to follow the child restraint manufacturer's instructions for installation.

Follow these steps to install a rear-facing child restraint using the vehicle seat belts in the 2nd row seats and 3rd row seats:

Rear-facing — step 1

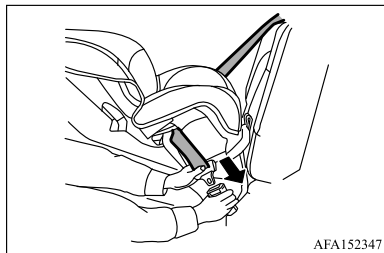


1. Child restraints for infants must be used in the rear-facing direction and therefore must not be used in the front seat. Position the child restraint on the seat. Always follow the restraint manufacturer's instructions.

Child restraints

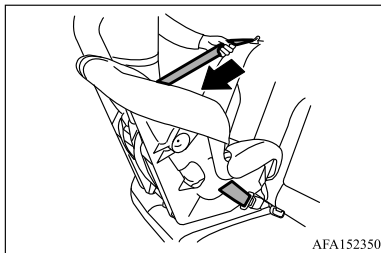
- Adjust the seat where the child restraint system will be installed to the most rearward position.
- Adjust the seat back angle to 3 positions rearward from the most upright position (2nd row seat).

Rear-facing — step 2



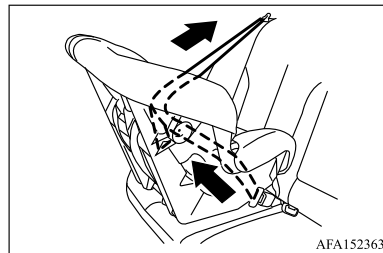
2. Route the seat belt tongue through the child restraint and insert it into the buckle until you hear and feel the latch engage. Be sure to follow the child restraint manufacturer's instructions for belt routing.

Rear-facing — step 3



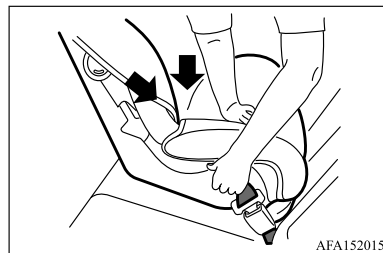
3. Pull the shoulder belt until the belt is fully extended. At this time, the seat belt retractor is in the Automatic Locking Retractor (ALR) mode (child restraint mode). It reverts to the Emergency Locking Retractor (ELR) mode when the seat belt is fully retracted.

Rear-facing — step 4



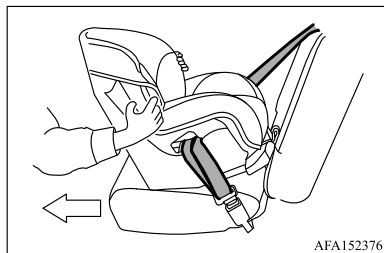
4. Allow the seat belt to retract. Pull up on the shoulder belt to remove any slack in the belt.

Rear-facing — step 5



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

Rear-facing — step 6



6. After attaching the child restraint, test it before you place the child in it. Push it from side to side while holding the child restraint near the seat belt path. The child restraint should not move more than 1 inch (25 mm), from side to side. Try to tug it forward and check to see if the belt holds the restraint in place. If the restraint is not secure, tighten the seat belt as necessary, or put the restraint in another seat and test it again. You may need to try a different child restraint. Not all child restraints fit in all types of vehicles.

7. Check to make sure that the child restraint is properly secured prior to each use. If the seat belt is not locked, repeat steps 1 through 6.

After the child restraint is removed and the seat belt fully retracted, the ALR mode (child restraint mode) is canceled.

Forward-facing child restraint installation using LATCH

N07301900079

Refer to all Warnings and Cautions in the "Child safety" and "Child restraints" sections before installing a child restraint.

Do not use the lower anchors if the combined weight of the child and the child restraint exceeds 65 lb (29.5 kg). If the combined weight of the child and the child restraint is greater than 65 lb (29.5 kg), use the vehicle's seat belt (not the lower anchors) to install the child restraint. Be sure to follow the child restraint manufacturer's instructions for installation.

Follow these steps to install a forward-facing child restraint using the LATCH system:

Before installing a child restraint system, remove the head restraint to obtain the correct child restraint fit. If the head restraint is removed, store it in a

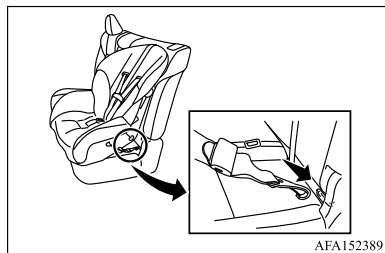
Child restraints

secure place. Be sure to reinstall the head restraint when the child restraint is removed. See "Head restraints" on page 85 for head restraint adjustment information.

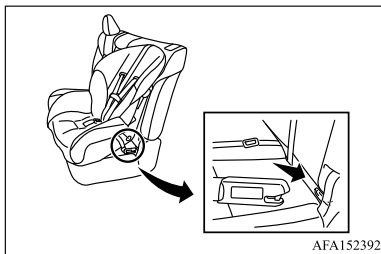
1. Position the child restraint on the seat. Always follow the child restraint manufacturer's instructions.

- Adjust the seat where the child restraint system will be installed to the most rearward position.
- Adjust the seat back angle to 3 positions rearward from the most upright position (2nd row seat).

Forward-facing web-mounted — step 2



Forward-facing rigid-mounted — step 2



2. Secure the child restraint anchor attachments to the LATCH lower anchors. Check to make sure the LATCH attachment is properly attached to the lower anchors.

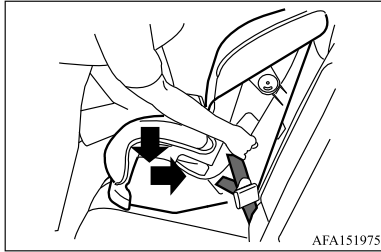
Do not attach the child restraint on the 2nd row center seat.

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 "Installing top tether strap" on page 111. Do not install child restraints that require the use of a top tether strap in seating positions that do not have a top tether anchor.

3. The back of the child restraint should be secured against the vehicle seatback.

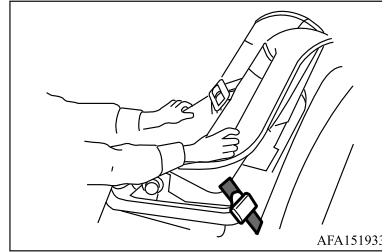
If the seating position is interfering with the proper child restraint fit, try another seating position or a different child restraint.

Forward-facing — step 4



4. For child restraints that are equipped with webbing-mounted attachments, remove any additional slack from the anchor attachments. Press downward and rearward firmly in the center of the child restraint with your knee to compress the vehicle seat cushion and seatback while tightening the webbing of the anchor attachments.
5. Tighten the tether strap according to the manufacturer's instructions to remove any slack.

Forward-facing — step 6



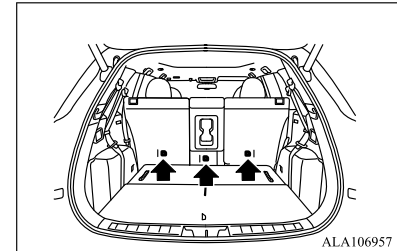
6. After attaching the child restraint, test it before you place the child in it. Push it from side to side while holding the child restraint near the LATCH attachment path. The child restraint should not move more than 1 inch (25 mm), from side to side. Try to tug it forward and check to see if the

LATCH attachment holds the restraint in place. If the restraint is not secure, tighten the LATCH attachment as necessary, or put the restraint in another seat and test it again. You may need to try a different child restraint. Not all child restraints fit in all types of vehicles.

7. Check to make sure the child restraint is properly secured prior to each use. If the child restraint is loose, repeat steps 1 through 6.

Installing top tether strap

N07303100062



WARNING

Child restraint anchors 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 anchors. The child restraint will not be properly installed using the damaged anchor, and a child could be seriously injured or killed in a collision.

The child restraint top tether strap must be used when installing the child restraint with the LATCH lower anchor attachments.

First, secure the child restraint with the LATCH lower anchors.

1. Remove the head restraint and store it in a secure place. Be sure to reinstall the head restraint when the child restraint is removed.

See "Head restraints" on page 85 for head restraint adjustment, removal and installation information.

2. Position the top tether strap over the seatback.
3. Secure the top tether strap to the tether anchor point shown on the illustration.
4. Refer to the appropriate child restraint installation procedure steps in this section before tightening the tether strap.

If you have any questions when installing a top tether strap, it is recommended that you visit a Nissan Electric Vehicle certified dealer for this service.

Forward-facing child restraint installation using the seat belts

N07302000080

WARNING

The three-point seat belt with Automatic Locking Retractor (ALR) must be used when installing a child restraint. Failure to use the ALR mode will result in the child restraint not being properly secured. The restraint could tip over or be loose and cause injury to a child in a sudden stop or collision. Also, it can change the operation of the front passenger air bag. See "Front passenger air bag status light" on page 130.

Refer to all Warnings and Cautions in the "Child safety" and "Child restraints" sections before installing a child restraint.

Do not use the lower anchors if the combined weight of the child and the child restraint exceeds 65 lb (29.5 kg). If the combined weight of the child and the child restraint is greater than 65 lb

(29.5 kg), use the vehicle's seat belt (not the lower anchors) to install the child restraint. Be sure to follow the child restraint manufacturer's instructions for installation.

Follow these steps to install a forward-facing child restraint using the vehicle seat belt in the front passenger seat, 2nd row seats and 3rd row seats:

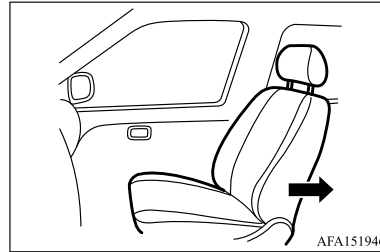
Before installing a child restraint system, remove the head restraint to obtain the correct child restraint fit. If the head restraint is removed, store it in a secure place. Be sure to reinstall the head restraint when the child restraint is removed.

When installing a child restraint on the center seat of the 2nd row seat, adjust the head restraint to the lowermost position.

When installing a child restraint on the 3rd row seat, set the head restraint to the in-use (pulled up) position.

See "Head restraints" on page 85 for head restraint adjustment information.

Forward-facing (front passenger seat) — step 1



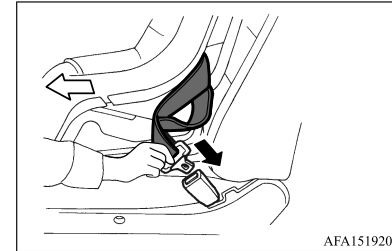
1. If you must install a child restraint in the front seat, it should be placed in a forward-facing direction only. Move the seat to the rear-most position. Child restraints for infants must be used in the rear-facing direction and, therefore, must not be used in the front seat.

2. Position the child restraint on the seat. Always follow the child restraint manufacturer's instructions.

- Adjust the seat where the child restraint system will be installed to the most rearward position.
- Adjust the seat back angle to 3 positions rearward from the most upright position (2nd row seat).

The back of the child restraint should be secured against the vehicle seatback.

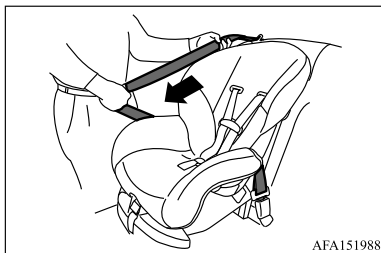
Forward-facing — step 3



Child restraints

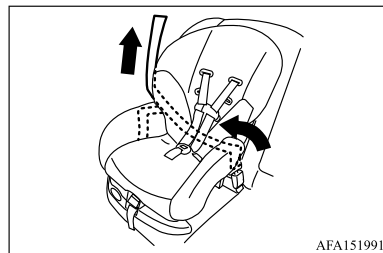
3. Route the seat belt tongue through the child restraint and insert it into the buckle until you hear and feel the latch engage. Be sure to follow the child restraint manufacturer's instructions for belt routing. If the child restraint is equipped with a top tether strap, route the top tether strap to the tether anchor point (rear seat installation only). See "Installing top tether strap" on page 116. Do not install child restraints that require the use of a top tether strap in seating positions that do not have a top tether anchor.

Forward-facing — step 4



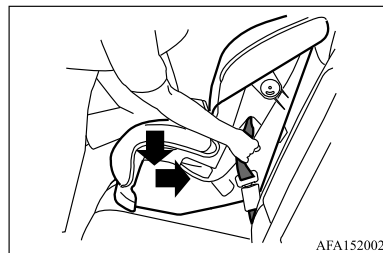
4. Pull the shoulder belt until the belt is fully extended. At this time, the seat belt retractor is in the Automatic Locking Retractor (ALR) mode (child restraint mode). It reverts to Emergency Locking Retractor (ELR) mode when the seat belt is fully retracted.

Forward-facing — step 5



5. Allow the seat belt to retract. Pull up on the shoulder belt to remove any slack in the belt.

Forward-facing — step 6



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

7. Tighten the tether strap according to the manufacturer's instructions to remove any slack.

Forward-facing — step 8



8. After attaching the child restraint, test it before you place the child in it. Push it from side to side while holding the child restraint near the seat belt path. The child restraint should not move more than 1 inch (25 mm), from side to side. Try to tug it forward and check to see if the belt holds the restraint in place. If the restraint is not secure, tighten the seat belt as necessary, or put the restraint in another seat and test it again. You may need to try a different child restraint. Not all child restraints fit in all types of vehicles.

9. Check to make sure the child restraint is properly secured prior to each use. If the seat belt is not locked, repeat steps 2 through 8.

Forward-facing — step 10



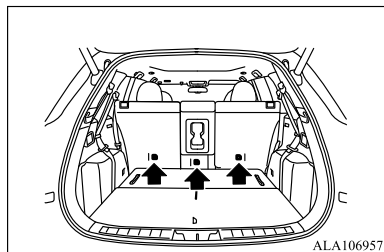
10. If the child restraint is installed in the front passenger seat, place the push-button power switch in the ON position. The front passenger air bag status light  should illuminate. The front passenger air bag status light is located near by the inside mirror. If this light is not illuminated, see "Front passenger air bag status light" on page 130. **Move the child restraint to another seating position.** Have the system checked. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service.

Child restraints

After the child restraint is removed and the seat belt is fully retracted, the ALR mode (child restraint mode) is canceled.

Installing top tether strap

N07303200063



⚠ WARNING

Child restraint anchors 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 anchors. The child restraint will not be properly installed using the damaged anchor, and a child could be seriously injured or killed in a collision.

The child restraint top tether strap must be used when installing the child restraint with the seat belts.

First, secure the child restraint with the seat belt.

1. Remove the head restraint and store it in a secure place. Be sure to reinstall the head restraint when the child restraint is removed.

See "Head restraints" on page 85 for head restraint adjustment, removal and installation information.

2. Position the top tether strap over the seatback.
3. Secure the top tether strap to the tether anchor point shown on the illustration.
4. Refer to the appropriate child restraint installation procedure steps in this section before tightening the tether strap.

If you have any questions when installing a top tether strap, it is recommended you visit a Nissan Electric Vehicle certified dealer for this service.

Booster seats

NO7302100049

Precautions on booster seats

WARNING

If a booster seat and seat belt are not used properly, the risk of a child being injured or killed in a sudden stop or collision greatly increases:

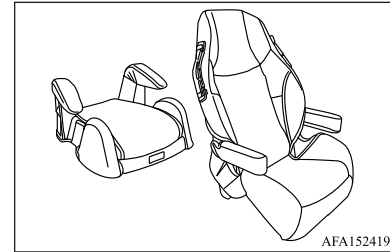
- Make sure the shoulder portion of the belt is away from the child's face and neck and the lap portion of the belt does not cross the stomach.
- Make sure the shoulder belt is not behind the child or under the child's arm.
- A booster seat must only be installed in a seating position that has a lap/shoulder belt.

Booster seats of various sizes are offered by several manufacturers. When selecting any booster seat, keep the following points in mind:

- Choose only a booster seat with a label certifying that it complies with Federal Motor Vehicle Safety Standard 213 or Motor Vehicle Restraint Systems and Booster Seats Safety Regulations (RSSR).
- Check the booster seat in your vehicle to be sure it is compatible with the vehicle's seat and seat belt system.



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- Make sure the child's head will be properly supported by the booster seat or vehicle seat.
- If the booster seat is compatible with your vehicle, place your child in the booster seat and check the various adjustments to be sure the booster seat is compatible with your child. Always follow all recommended procedures.



All U.S. states and Canadian provinces or territories require that infants and small children be restrained in an approved child restraint at all times while the vehicle is being operated.

The instructions in this section apply to booster seat installation in the rear seats or the front passenger seat.

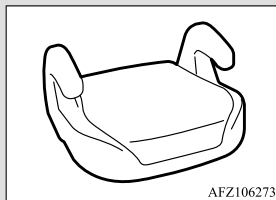
Booster seat installation

WARNING

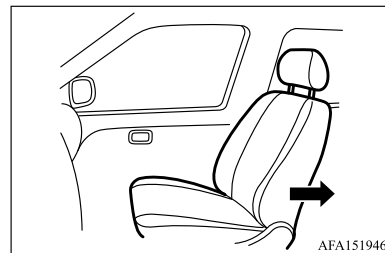
To avoid injury to child, do not use the lap/shoulder belt Automatic Locking Retractor (ALR) mode when using a booster seat with the seat belts.

CAUTION

Do not remove the head restraint when installing a booster cushion.



Refer to all Warnings and Cautions in the "Child safety", "Child restraints" and "Booster seats" sections earlier in this section before installing a child restraint. Follow these steps to install a booster seat in the rear seat or in the front passenger seat:



1. If you must install a booster seat in the front seat, move the seat to the rearmost position.

Do not use the LATCH fixed booster seat on the 2nd row center seat.

2. Position the booster seat on the seat. Only place it in a forward-facing direction. Always follow the booster seat manufacturer's instructions.

- Adjust the seat where the child restraint system will be installed to the most rearward position.

- Adjust the seat back angle to 3 positions rearward from the most upright position (2nd row seat).

Front passenger position



3. The booster seat should be positioned on the vehicle seat so that it is stable.

If necessary, adjust or remove the head restraint to obtain the correct booster seat fit. (Do not remove the head restraint when installing a booster cushion.) If the head restraint is removed, store it in a secure place. **Be sure to reinstall the head restraint when the booster seat is removed.** See "Head restraints" on page 85 for head restraint adjustment, removal and installation information.

If the seating position does not have a head restraint and it is interfering with the proper booster seat fit, try another seating position or a different booster seat.

4. Position the lap portion of the seat belt low and snug on the child's hips. Be sure to follow the booster seat manufacturer's instructions for adjusting the seat belt routing.

5. Pull the shoulder belt portion of the seat belt toward the retractor to take up extra slack. Be sure the shoulder belt is positioned across the top, middle portion of the child's shoulder. Be sure to follow the booster seat manufacturer's instructions for adjusting the seat belt routing.
6. Follow the warnings, cautions and instructions for properly fastening a seat belt shown in "Seat belts" on page 89.

**PASSENGER
AIR BAG**



AFA152174

Supplemental Restraint System (SRS)

7. If the booster seat is installed in the front passenger seat, place the push-button power switch in the ON position. The front passenger air bag status light  may or may not illuminate depending on the size of the child and the type of booster seat used. The front passenger air bag status light is located near by the inside mirror. See "Front passenger air bag status light" on page 130.

Supplemental Restraint System (SRS)

N07302200066

Precautions on SRS

This SRS section contains important information concerning the following systems:

- Driver and front passenger supplemental front-impact air bag (NISSAN Advanced Air Bag System)
- Driver and front passenger supplemental knee air bag
- Front seat-mounted side-impact supplemental air bag
- 2nd row outboard seat-mounted side-impact supplemental air bag
- Front central seat-mounted side-impact supplemental air bag
- Roof-mounted curtain side-impact and rollover supplemental air bag
- Seat belt with pretensioner (front and 2nd row outboard seats)

Supplemental front-impact air bag system: The NISSAN Advanced Air bag System can help cushion the impact force to the head and chest of the driver and front passenger in certain frontal collisions.

Driver and front passenger supplemental knee air bag system:

The driver and front passenger supplemental knee air bags are designed to supplement the primary protection of the driver's and front passenger's seat belt system. It can help to reduce the forward movement of the driver's and front passenger's lower legs and provide increased overall body protection in certain moderate to severe frontal collisions.

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

2nd row outboard seat-mounted side-impact supplemental air bag system: This system can help cushion the impact force to the chest area of the 2nd row outboard seat passengers in certain side-impact collisions. The side air bags are designed to

inflate on the side where the vehicle is impacted.

Front central seat-mounted side-impact supplemental air bag system: This system can help cushion the impact force to the head area of the driver and front passenger in certain side-impact collisions. The center side air bag is designed to inflate if left or right side of the vehicle is impacted.

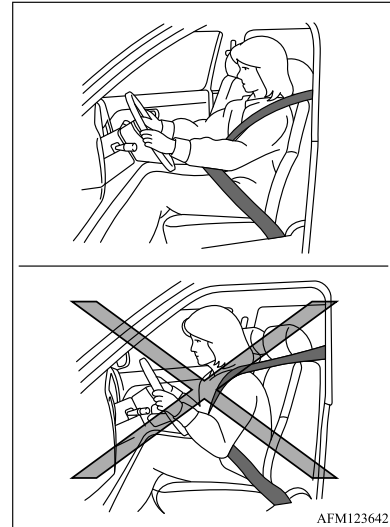
Roof-mounted curtain side-impact and rollover supplemental air bag system: This system can help cushion the impact force to the heads of occupants in front and 2nd row outboard seating positions in certain side impact or rollover collisions. The curtain air bags are also designed to help reduce the risk of complete and partial ejection from the vehicle through side windows in both side impact and rollover type accidents. In a side-impact, the curtain air bags are designed to inflate on the side where the vehicle is impacted. In a rollover, the curtain air bags on both sides are

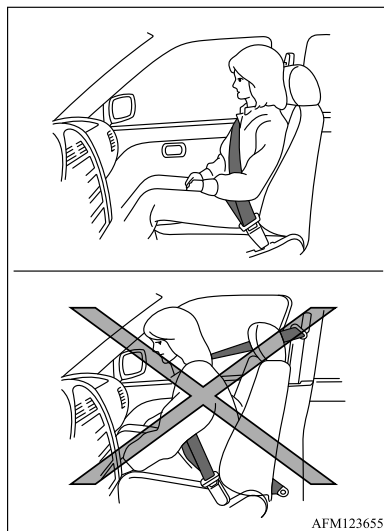
designed to inflate. Under both side-impact and rollover situations, the curtain air bags will remain inflated for a short period of time.

These supplemental restraint systems are designed to **supplement** the crash protection provided by the driver, passenger and 2nd row outboard seat belts and are **not a substitute** for them. Seat belts should always be correctly worn and the occupant seated a suitable distance away from the steering wheel, instrument panel and door finishers. (See "Seat belts" on page 89 for instructions and precautions on seat belt usage.)

The air bags operate only when the push-button power switch is in the ON position.

After the push-button power switch is placed in the ON position, the supplemental air bag warning light illuminates. The supplemental air bag warning light will turn off after approximately 7 seconds if the systems are operational.





WARNING

- **IT IS VERY IMPORTANT TO ALWAYS WEAR YOUR SEAT BELT PROPERLY EVEN WITH AN AIR BAG.**

WARNING

- Seat belts help keep the driver and passengers properly positioned. This reduces the risk of injury in all collisions, and reduces the risk of serious injuries or death when the air bags inflate. During sudden braking just before a collision, an unrestrained or improperly restrained driver or front passenger can move forward into direct contact with, or within close proximity to, the air bag when it begins to inflate. The beginning stage of air bag inflation is the most forceful and can cause serious injuries or death if the occupant comes in contact with the air bag at this time.
- Seat belts reduce the risk of injury in rear impact collisions, and in lower speed frontal collisions because the air bags are not designed to inflate in those situations.

WARNING

- **NISSAN** strongly encourages you and all of your passengers to buckle up every time you drive, even if your seating position includes an air bag. Seat belts reduce the risk of being thrown from your vehicle in a collision or rollover.
- The front air bags ordinarily will not inflate in the event of a side impact, rear impact, rollover, or lower severity frontal collision. Always wear your seat belts to help reduce the risk or severity of injury in various kinds of accidents.
- The front passenger air bag and passenger knee air bag will not inflate if the front passenger air bag status light is lit. See "Front passenger air bag status light" on page 130.

⚠ WARNING

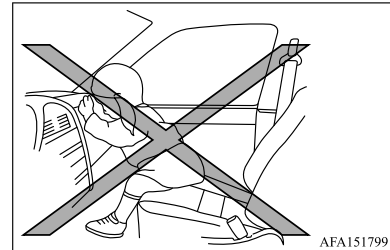
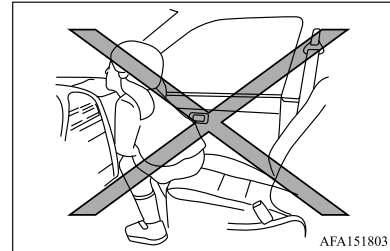
● The seat belts and the front air bags are most effective when you are sitting fully back and upright in the seat with both feet on the floor. The front air bags inflate with great force. Even with the NISSAN Advanced Air bag System, if you are unrestrained, leaning forward, sitting sideways or out of position in any way, you are at greater risk of injury or death in a crash. You may also receive serious or fatal injuries from the front 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 or instrument panel. Always use the seat belts.

⚠ WARNING

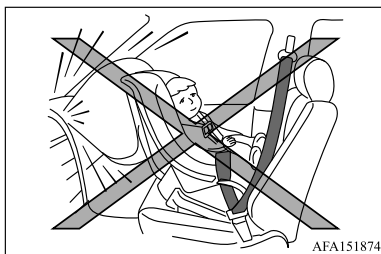
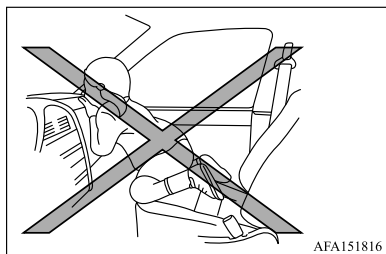
- The driver and front passenger seat belt buckles are equipped with sensors that detect if the seat belts are fastened. The NISSAN Advanced Air bag System monitors the severity of a collision and seat belt usage then inflates the air bags as needed. Failure to properly wear seat belts can increase the risk or severity of injury in an accident.
- The front passenger seat is equipped with occupant classification sensors (weight sensors) that turn the front passenger air bag and passenger knee air bag OFF under some conditions. These sensors are only used in this seat. Failure to be properly seated and wearing the seat belt can increase the risk or severity of injury in an accident. See "Front passenger air bag status light" on page 130.

⚠ WARNING

- Keep hands on the outside of the steering wheel. Placing them inside the steering wheel rim could increase the risk that they are injured if the front air bag inflates.

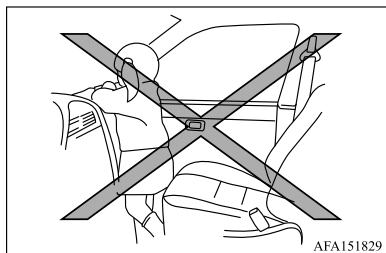


Supplemental Restraint System (SRS)



WARNING

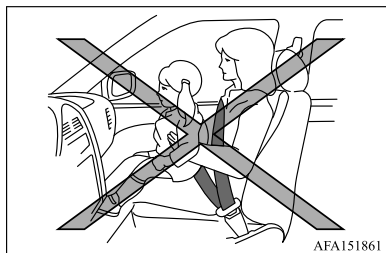
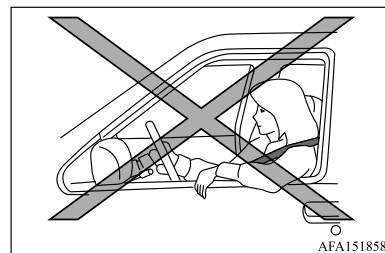
- Even with the NISSAN Advanced Air bag System, never install a rear-facing child restraint or infant restraint in the front seat. An inflating front air bag could seriously injure or kill your child. See "Child restraints" on page 100 for details.

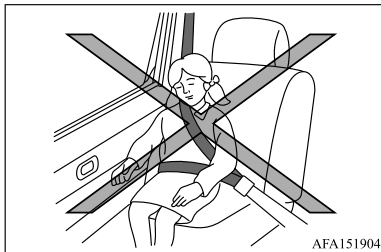
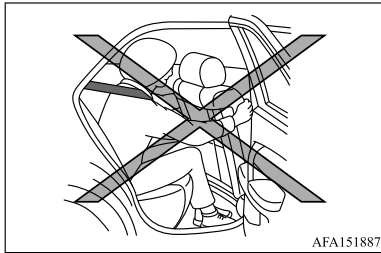
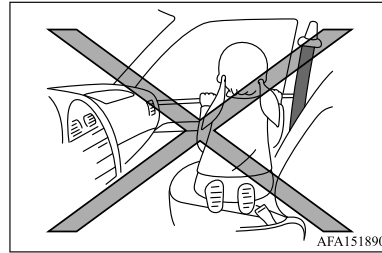
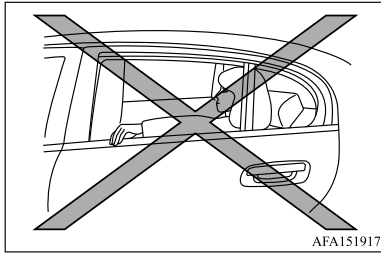


WARNING

- 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 front air bags, side air bags or curtain air bags inflate if they are not properly restrained. Pre-teens and children should be properly restrained in the rear seat, if possible.

Do not lean against doors or windows.





⚠ WARNING

Front and 2nd row seat side air bags and curtain air bags:

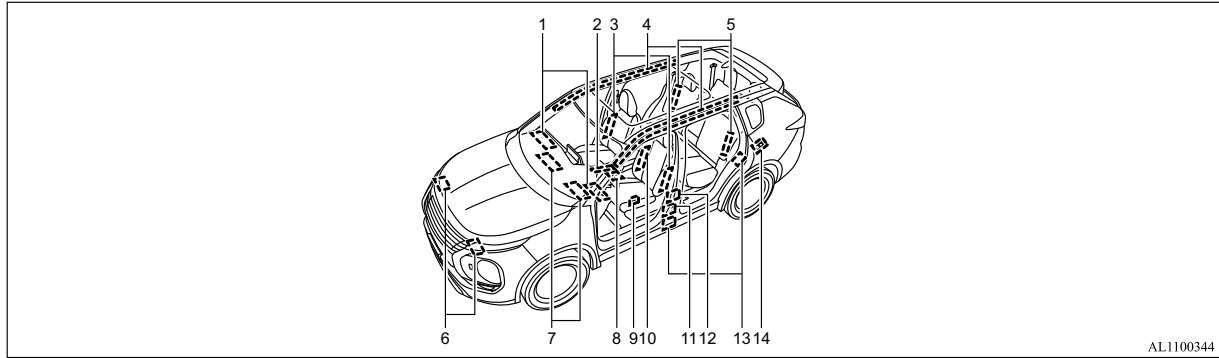
- The side air bags ordinarily will not inflate in the event of a frontal impact, rear impact, rollover or lower severity side collision. Always wear your seat belts to help reduce the risk or severity of injury in various kinds of accidents.
- The curtain air bags ordinarily will not inflate in the event of a front impact, rear impact, or lower severity side collision. Always wear your seat belts to help reduce the risk or severity of injury in various kinds of accidents.

⚠ WARNING

- The seat belts, the side air bags and curtain air bags are most effective when you are sitting fully back and upright in the seat. The side air bags and curtain air bags inflate with great force. Do not allow anyone to place their hand, leg or face near the side air bags on the side of the seatback of the front and 2nd row seat or near the side roof rails. Do not allow anyone sitting in the front seats or 2nd row outboard seats to extend their hand out of the window or lean against the door. The side air bags and curtain air bags can cause serious injury or death to anyone too close to the air bag when it deploys. Some examples of dangerous riding positions are shown in the previous illustrations.
- Do not place stickers, labels or additional trim on the back of either front seat. They can interfere with proper side air bag deployment.

WARNING

- When sitting in the rear seat, do not hold onto the seatback of the seat in front of you. If the front central side air bag or the side air bags inflate, you may be seriously injured. Be especially careful with children, who should always be properly restrained. Some examples of dangerous riding positions are shown in the illustrations.
- Do not use seat covers on the front and 2nd row seatbacks. They may interfere with side air bag inflation.
- Do not allow a child to lean against or sit close to the passenger door, even if the child is seated in a child restraint system. The child's head should also not lean against or be close to the section of the seatback where the side air bag and curtain air bag are located. It is dangerous if the side air bag or curtain air bag deploys. Failure to follow all of these instructions could lead to serious injury or death to the child.



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1. Supplemental front-impact air bag modules (NISSAN Advanced Air Bags)	5. 2nd row outboard seat-mounted side-impact supplemental air bag modules	11. Lap outer pretensioners (left side shown; right side similar)
2. Occupant classification sensors (weight sensors)	6. Crash zone sensor	12. Seat belt with pretensioners (left side shown; right side similar)
3. Front seat-mounted side-impact supplemental air bag modules	7. Driver and front passenger supplemental knee air bags	13. Satellite sensors (left side shown; right side similar)
4. Roof-mounted curtain side-impact and rollover supplemental air bag inflators	8. Air bag Control Unit (ACU)	14. Seat belt with pretensioners (2nd row outboard seats) (left side shown; right side similar)
	9. Front door pressure sensors (left side shown; right side similar)	
	10. Front central seat-mounted side-impact supplemental air bag	

NISSAN Advanced Air bag System (front seats)

N07302300067

WARNING

To ensure proper operation of the passenger's Advanced Air bag System, please observe the following items.

- Do not allow a passenger in the rear seat to push or pull on the seatback pockets.
- Do not place heavy loads heavier than 9.1 lb (4 kg) in total on the seatback, head restraint or in the seatback pockets.
- Make sure nothing is pressing against the rear of the seatback, such as a child restraint installed in the rear seat or an object stored on the floor.
- Make sure no objects are placed under the front passenger seat.
- Make sure no objects are placed between the seat cushion and center console or between the seat cushion and the door.

WARNING

- Be sure that the front passenger seat does not contact the rear seat, instrument panel, etc., or that the head restraint does not contact the roof.
- Do not position the front passenger seat so it contacts the rear seat. If the front seat does contact the rear seat, the air bag system may determine a sensor malfunction has occurred and the front passenger air bag status light may illuminate and the supplemental air bag warning light may flash.
- If a forward facing child restraint is installed in the front passenger seat, do not position the front passenger seat so the child restraint contacts the instrument panel. If the child restraint does contact the instrument panel, the system may determine the seat is occupied and the passenger air bag and passenger knee air bag may deploy in a collision.

WARNING

Also the front passenger air bag status light may not illuminate. See "Child restraints" on page 100 for information about installing and using child restraints.

- Confirm the operating condition with the front passenger air bag status light.
- If you notice that the front passenger air bag status light is not operating as described in this section, it is recommended you visit a Nissan Electric Vehicle certified dealer to check the passenger seat Advanced Air bag System.
- Until you have confirmed with your dealer that your passenger seat Advanced Air bag is working properly, position the occupants in the rear seating positions.

This vehicle is equipped with the NISSAN Advanced Air bag System for the driver and front passenger seats. This system is designed to meet certification requirements under U.S. regulations. It is also

permitted in Canada. **All of the information, cautions and warnings in this manual apply and must be followed.**

The driver supplemental front-impact air bag is located in the center of the steering wheel. The front passenger supplemental front-impact air bag is mounted in the instrument panel above the glove box. The front air bags are designed to inflate in higher severity frontal collisions, although they may inflate if the forces in another type of collision are similar to those of a higher severity frontal impact. They may not inflate in certain frontal collisions. Vehicle damage (or lack of it) is not always an indication of proper front air bag operation.

The NISSAN Advanced Air bag System has dual stage air bag inflators. The system monitors information from the Air bag Control Unit (ACU), seat belt buckle sensors and the occupant classification sensors (weight sensors). Inflator operation is based on the severity of a collision and seat

belt usage for the driver. For the front passenger, the occupant classification sensors are also monitored. Based on information from the sensors, only one front air bag may inflate in a crash, depending on the crash severity and whether the front occupants are belted or unbelted. Additionally, the front passenger air bag and passenger knee air bag may be automatically turned OFF under some conditions, depending on the information provided by the occupant classification sensors. If the front passenger air bag and passenger knee air bag are OFF, the front passenger air bag status light will be illuminated. (See "Front passenger air bag status light" on page 130 for further details.) One front air bag inflating does not indicate improper performance of the system.

If you have any questions about your air bag system, it is recommended you visit a Nissan Electric Vehicle certified dealer to obtain information about the system. If

you are considering modification of your vehicle due to a disability, you may also contact NISSAN. Contact information is contained in the "FOREWORD" section of this Owner's Manual.

When a front air bag inflates, a fairly loud noise may be heard, followed by 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 bags, along with the use of seat belts, help to cushion the impact force on the head and chest of the front occupants. They can help save lives and reduce serious injuries. However, an inflating front air bag may cause facial abrasions or other injuries. Front air bags, other than the driver's and front passenger's knee air bags, do not provide restraint to the lower body.

Supplemental Restraint System (SRS)

Even with NISSAN Advanced Air bags, seat belts should be correctly worn and the driver and passenger seated upright as far as practical away from the steering wheel or instrument panel. The front air bags inflate quickly in order to help protect the front occupants. Because of this, the force of the front air bag inflating can increase the risk of injury if the occupant is too close to, or is against, the air bag module during inflation.

The front air bags deflate quickly after a collision.

The front air bags operate only when the push-button power switch is in the ON position.

After the push-button power switch is placed in the ON position, the supplemental air bag warning light illuminates. The supplemental air bag warning light will turn off after approximately 7 seconds if the system is operational.

Front passenger air bag status light

N07303300064

WARNING

- The front passenger air bag and passenger knee air bag are designed to automatically turn OFF under some conditions. Read this section carefully to learn how it operates. Proper use of the seat, seat belt and child restraints is necessary for most effective protection. Failure to follow all instructions in this manual concerning the use of seats, seat belts and child restraints can increase the risk or severity of injury in an accident.
- The front passenger air bag status light comes on and goes out repeatedly.

WARNING

- Do not attach any accessory near the front passenger air bag status light that makes the front passenger air bag status light difficult or impossible to see. You must be able to see the front passenger air bag status light and verify the status of the front passenger's air bag system.

Front passenger air bag status light

PASSENGER
AIR BAG



AFA152174

■ Status light

The front passenger seat is equipped with occupant classification sensors (weight sensors) that turn the front passenger air bag and passenger knee air bag on or off depending on the weight applied to the front passenger seat. The status of the

front passenger air bag and passenger knee air bag (ON or OFF) is indicated by the front passenger air bag status light  which is located near by the inside mirror. After the push-button power switch is placed in the ON position, the front passenger air bag

status light illuminates for approximately 7 seconds and then turns off or remains illuminate depending on the front passenger seat occupied status. The light operates as follows:

CONDITION	DESCRIPTION	PASSENGER AIR BAG INDICATOR LIGHT ()	FRONT PASSENGER AIR BAG AND PASSENGER KNEE AIR BAG STATUS
Empty	Empty front passenger seat	ON (illuminated)	DEACTIVATED
Nobody/Somebody	Bag or Child or Child Restraint or Small Adult in front passenger seat	ON (illuminated)	DEACTIVATED
Adult	Adult in the front passenger seat	OFF (dark)	ACTIVATED

In addition to the above, certain objects placed on the front passenger seat may also cause the light to operate as described above depending on their weight.

For additional information related to the normal operation and troubleshooting of this occupant classification sensor system, please refer to "Normal operation"

on page 133 and "Troubleshooting" on page 134 in this section.

■ Front passenger air bag

The front passenger air bag is designed to automatically turn OFF when the vehicle is operated under some conditions as described below as permitted by U.S. regulations. If the front passenger air bag is OFF, it will not inflate in a crash. The driver air bag and other air bags in your vehicle are not part of this system.

The purpose of the regulation is to help reduce the risk of injury or death from an inflating air bag to certain front passenger seat occupants, such as children, by requiring the air bag to be automatically turned OFF.

The occupant classification sensors (weight sensors) are on the seat cushion frame under the front passenger seat and are designed to detect an occupant and objects on the seat. For example, if a child is in the front passenger seat, the NISSAN Advanced Air bag System is

designed to turn the passenger air bag OFF in accordance with the regulations. Also, if a child restraint of the type specified in the regulations is on the seat, the occupant classification sensors can detect it and cause the air bag to turn OFF.

Front passenger seat adult occupants who are properly seated and using the seat belt as outlined in this manual should not cause the passenger air bag and passenger knee air bag to be automatically turned OFF. For small adults it may be turned OFF, however, if the occupant does not sit in the seat properly (for example, by not sitting upright, by sitting on an edge of the seat, or by otherwise being out of position), this could cause the sensors to turn the air bag OFF. Always be sure to be seated and wearing the seat belt properly for the most effective protection by the seat belt and air bag.

NISSAN recommends that pre-teens and children be properly restrained in a rear seat. NISSAN

also recommends that appropriate child restraints and booster seats be properly installed in a rear seat. If this is not possible, the occupant classification sensors are designed to operate as described above to turn the front passenger air bag and passenger knee air bag OFF for specified child restraints. Failing to properly secure child restraints and to use the Automatic Locking Retractor (ALR) mode (child restraint mode) may allow the restraint to tip or move in an accident or sudden stop. This can also result in the passenger air bag and passenger knee air bag inflating in a crash instead of being OFF. (See "Child restraints" on page 100 for proper use and installation.)

If the front passenger seat is not occupied, the passenger air bag and passenger knee air bag are designed not to inflate in a crash. However, heavy objects placed on the seat could result in air bag inflation, because of the object being detected by the occupant classification sensors. Other con-

ditions could also result in air bag inflation, such as if a child is standing on the seat, or if two children are on the seat, contrary to the instructions in this manual. Always be sure that you and all vehicle occupants are seated and restrained properly.

Using the front passenger air bag status light, you can monitor when the front passenger air bag and passenger knee air bag are automatically turned OFF.

If an adult occupant is in the seat but the front passenger air bag status light is illuminated (indicating that the front passenger air bag and passenger knee air bag are OFF), it could be that the person is a small adult, or is not sitting on the seat properly.

If a child restraint must be used in the front seat, the front passenger air bag status light may or may not be illuminated, depending on the size of the child and the type of child restraint being used. If the front passenger air bag status light is not illuminated (indicating that the air bag might

inflate in a crash), it could be that the child restraint or seat belt is not being used properly. Make sure that the child restraint is installed properly, the seat belt is used properly and the occupant is positioned properly. If the front passenger air bag status light is not illuminated, reposition the occupant or child restraint in a rear seat.

If the front passenger air bag status light will not illuminate even though you believe that the child restraint, the seat belts and the occupant are properly positioned, it is recommended that you take your vehicle to a Nissan Electric Vehicle certified dealer. A Nissan Electric Vehicle certified dealer can check the system status by using a special tool. However, until you have confirmed with your dealer that your air bag is working properly, reposition the occupant or child restraint in a rear seat.

The NISSAN Advanced Air bag System and front passenger air bag status light will take a few

seconds to register a change in the passenger seat status. This is normal system operation and does not indicate a malfunction. If a malfunction occurs in the front passenger air bag system, the supplemental air bag warning light , located in the meters and gauges area, will illuminate. Have the system checked. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service.

■ Normal operation

N07303500024

In order for the occupant classification sensor system to classify the front passenger based on weight, please follow the precautions and steps outlined below:

■ Precautions

N07303600025

- Make sure that there are no objects weighing over 9.1 lb (4 kg) hanging on the seat or placed in the seatback pockets.

Supplemental Restraint System (SRS)

- Make sure that a child restraint or other object is not pressing against the rear of the seatback.
 - Make sure that a rear passenger is not pushing or pulling on the back of the front passenger seat.
 - Make sure that the front passenger seat or seatback is not forced back against an object on the seat or floor behind it.
 - Make sure no objects are placed under the front passenger seat.
 - Make sure that the front passenger seat head restraint does not contact the roof when adjusting the front passenger seat.
2. Make sure there are no objects on your lap.
 3. Fasten the seat belt as outlined. (See "Seat belts" on page 89.) Front passenger seat belt buckle status is monitored by the occupant classification system, and is used as an input to determine occupancy status. So, it is highly recommended that the front passenger fasten their seat belt.
 4. Remain in this position for 30 seconds allowing the system to classify the front passenger before the vehicle is put into motion.
 5. Ensure proper classification by checking the front passenger air bag status light.

■ Steps

N07303700055

1. Adjust the seat as outlined. (See "Seats" on page 76.) Sit upright, leaning against the seatback, and centered on the seat cushion with your feet comfortably extended to the floor.



NOTE

This vehicle's occupant classification sensor system locks the classification during driving so it is important that you confirm that the front passenger is properly classified prior to driving. Also, the occupant classification sensor system may recalculate the weight of the occupant under some conditions (both while driving and when stopped), so the front passenger seat occupant should continue to remain seated as outlined above.

■ Troubleshooting

N07303800072

If you think the front passenger air bag status light is incorrect:

1. If the light is ON with an adult occupying the front passenger seat:
 - Occupant is a small adult – the front passenger air bag status light is functioning as intended. The front passenger air bag and passenger knee air bag are suppressed.

However, if the occupant is not a small adult, then this may be due to the following conditions that may be interfering with the weight sensors:

- Occupant is not sitting upright, leaning against the seatback, and centered on the seat cushion with his/her feet comfortably extended to the floor.
- A child restraint or other object pressing against the rear of the seatback.
- A rear passenger pushing or pulling on the back of the front passenger seat.
- Forcing the front seat or seatback against an object on the seat or floor behind it.
- An object placed under the front passenger seat.
- An object placed between the seat cushion and center console or between the seat cushion and the door.

If the vehicle is moving, please come to a stop when it is safe to do so. Check and correct any of

the above conditions. Restart the vehicle and wait 1 minute.

NOTE

A system check will be performed during which the front passenger air bag status light will remain lit for approximately 7 seconds initially.

If the light is still ON after this, the person should be advised not to ride in the front passenger seat and it is recommended that the vehicle should be checked by a Nissan Electric Vehicle certified dealer as soon as possible.

2. If the light is OFF with a small adult, child or child restraint occupying the front passenger seat.

This may be due to the following conditions that may be interfering with the weight sensors:

- Small adult or child is not sitting upright, leaning against the seatback, and centered on the seat cushion with his/her feet comfortably extended to the floor.
- The child restraint is not properly installed, as outlined. (See "Child restraints" on page 100.)
- An object weighing over 9.1 lb (4 kg) hanging on the seat or placed in the seatback pockets.
- A child restraint or other object pressing against the rear of the seatback.
- A rear passenger pushing or pulling on the back of the front passenger seat.
- Forcing the front seat or seatback against an object on the seat or floor behind it.
- An object placed under the front passenger seat.
- An object placed between the seat cushion and center console.
- The front passenger seat head restraint contacting the roof.

Supplemental Restraint System (SRS)

If the vehicle is moving, please come to a stop when it is safe to do so. Check and correct any of the above conditions. Restart the vehicle and wait 1 minute.

NOTE

A system check will be performed during which the front passenger air bag status light will remain lit for approximately 7 seconds initially.

If the light is still OFF after this, the small adult, child or child restraint should be repositioned in the rear seat and it is recommended that the vehicle should be checked by a Nissan Electric Vehicle certified dealer as soon as possible.

Other front air bag precautions

N07303400078

WARNING

- Do not place any objects on the steering wheel pad or on the instrument panel. Also, do not place any objects between any occupant and the steering wheel or instrument panel. Such objects may become dangerous projectiles and cause injury if the front air bags inflate.
- Do not place objects with sharp edges on the seat. Also, do not place heavy objects on the seat that will leave permanent impressions in the seat. Such objects can damage the seat or occupant classification sensors (weight sensors). This can affect the operation of the air bag system and result in serious personal injury.

WARNING

- Do not use water or acidic cleaners (hot steam cleaners) on the seat. This can damage the seat or occupant classification sensors. This can also affect the operation of the air bag system and result in serious personal injury.
- Immediately after inflation, several front air bag system components will be hot. Do not touch them; you may severely burn yourself.
- No unauthorized changes should be made to any components or wiring of the air bag system. This is to prevent accidental inflation of the air bag or damage to the air bag system.
- Do not make unauthorized changes to your vehicle's electrical system, suspension system or front end structure. This could affect proper operation of the front air bag system.

⚠ WARNING

- Tampering with the front air bag system may result in serious personal injury. Tampering includes changes to the steering wheel and the instrument panel assembly by placing material over the steering wheel pad and above the instrument panel or by installing additional trim material around the air bag system.
- Removing or modifying the front passenger seat may affect the function of the air bag system and result in serious personal injury.

⚠ WARNING

- Modifying or tampering with the front passenger seat may result in serious personal injury. For example, do not change the front seats by placing material on the seat cushion or by installing additional trim material, such as seat covers, on the seat that is not specifically designed to assure proper air bag operation. Additionally, do not stow any objects under the front passenger seat or the seat cushion and seatback. Such objects may interfere with the proper operation of the occupant classification sensors.
- No unauthorized changes should be made to any components or wiring of the seat belt system. This may affect the front air bag system. Tampering with the seat belt system may result in serious personal injury.

⚠ WARNING

- It is recommended you visit a Nissan Electric Vehicle certified dealer for work on and around the front air bag. It is also recommended you visit a Nissan Electric Vehicle certified dealer for installation of electrical equipment. The Supplemental Restraint System (SRS) wiring harnesses* should not be modified or disconnected. Unauthorized electrical test equipment and probing devices should not be used on the air bag system.
- A cracked windshield should be replaced immediately by a qualified repair facility. A cracked windshield could affect the function of the air bag system.
- Never have more than one person (adult or child) sitting on any of the seats.
- Do not remove the front passenger's head restraint except when using a forward-facing child restraint.
- Do not remove the seats and seat belts.

WARNING

- Do not modify or replace the seat and seat belt.
- Do not place the floor mat on the seat rails.
- Do not subject the sensors to shock.

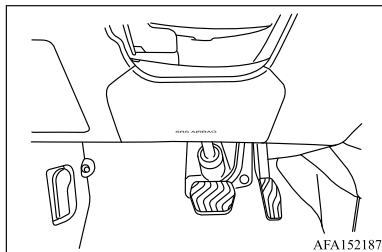
***The SRS wiring harness connectors are yellow or orange for easy identification.**

When selling your vehicle, we request that you inform the buyer about the front air bag system and guide the buyer to the appropriate sections in this Owner's Manual.

Driver and front passenger supplemental knee air bags

N07302400084

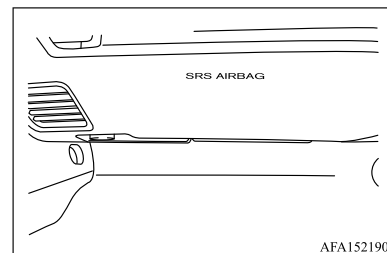
Driver's side



The driver and front passenger supplemental knee air bags are located in the knee bolster, on the driver's and passenger's sides. **All of the information, cautions and warnings in this manual apply and must be followed.** The knee air bags are 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. They may not inflate in certain collisions.

Passenger's side



Vehicle damage (or lack of it) is not always an indication of proper knee air bag operation. When the knee air bags inflate, a fairly loud noise may be heard, followed by 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.

The SRS driver's and front passenger's knee air bags are designed to supplement the pri-

mary protection of the driver's and front passenger's seat belt system. It can help to reduce the forward movement of the driver's and front passenger's lower legs and provide increased overall body protection in certain moderate to severe frontal collisions. The knee air bags inflate quickly in order to help protect the occupants. Because of this, the force of the knee air bag inflating can increase the risk of injury if the occupant is too close to, or is against, this air bag module during inflation. The knee air bag will deflate quickly after the collision is over OR the knee air bag will remain inflated for a short time.

The knee air bags operate only when the push-button power switch is placed in the ON position.

After placing the push-button power switch in the ON position, the supplemental air bag warning light illuminates. The supplemental air bag warning light will turn off after approximately

7 seconds if the system is operational.

WARNING

- **Do not place any objects between the knee bolster and the driver or passenger seats. Such objects may become dangerous projectiles and cause injury if a knee air bag inflates.**
- **Right after inflation, the knee air bag system components will be hot. Do not touch them; you may severely burn yourself.**
- **No unauthorized changes should be made to any components or wiring of the knee air bag system. This is to prevent damage to or accidental inflation of the knee air bag system.**
- **Do not make unauthorized changes to your vehicle's electrical system or suspension system. This could affect proper operation of the knee air bag system.**

WARNING

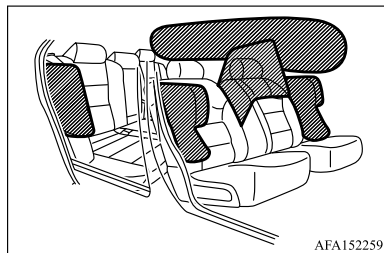
- **Tampering with the knee air bag system may result in serious personal injury. For example, do not change the driver or passenger knee bolster or install additional trim material around the knee air bag.**
- **It is recommended that you visit a Nissan Electric Vehicle certified dealer for work on and around the knee air bag. It is also recommended that you visit a Nissan Electric Vehicle certified dealer for installation of electrical equipment. The SRS wiring harnesses* should not be modified or disconnected. Unauthorized electrical test equipment and probing devices should not be used on the knee air bag system.**

***The SRS wiring harness or connectors are yellow or orange for easy identification.**

When selling your vehicle, we request that you inform the buyer about the knee air bag system and guide the buyer to the appropriate sections in this manual.

Front and 2nd row outboard seat-mounted side-impact supplemental air bag, front central seat-mounted side-impact supplemental air bag and roof-mounted curtain side-impact and rollover supplemental air bag systems

N07302500069



The front and 2nd row outboard seat-mounted side-impact supplemental air bags are located in

the outside of the seatback of the front and 2nd row seats. The front central seat-mounted side-impact supplemental air bag is located in the right side of the seatback of the driver's seat. The roof-mounted curtain side-impact and rollover supplemental air bags are located in the side roof rails. **All of the information, cautions and warnings in this manual apply and must be followed.** The side air bags and curtain air bags are designed to inflate in higher severity side collisions, although they may inflate if the forces in another type of collision are similar to those of a higher severity side impact. They are designed to inflate on the side where the vehicle is impacted. They may not inflate in certain side collisions. Roof-mounted curtain side-impact and rollover supplemental air bags are also designed to inflate in certain types of rollover collisions or near rollovers. As a result, certain vehicle movements (for example, during severe

off-roading) may cause the curtain air bags to inflate.

Vehicle damage (or lack of it) is not always an indication of proper side air bag and curtain air bag operation.

When the side air bags and curtain air bags inflate, a fairly loud noise may be heard, followed by 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.

Front and 2nd row outboard seat-mounted side air bags, along with the use of seat belts, help to cushion the impact force on the chest and pelvic area of the front and 2nd row outboard occupants. Front seat-mounted central side air bag, along with the use of seat belts, helps to cushion the impact force on the head area of the front occupants. Curtain air bags help to cushion the impact force to the head, chest and pelvic area of occu-

pants in the front and 2nd row outboard seating positions. They can help save lives and reduce serious injuries. However, an inflating side air bag or curtain air bag may cause abrasions or other injuries. Side air bags and curtain air bags do not provide restraint to the lower body.

The seat belts should be correctly worn and the driver, front passenger and 2nd row outboard occupants seated upright as far as practical away from the side air bags. 2nd row seat passengers should be seated as far away as practical from the door finishers and side roof rails. The side air bags and curtain air bags inflate quickly in order to help protect the occupants. Because of this, the force of the side air bags and curtain air bags inflating can increase the risk of injury if the occupant is too close to, or is against, these air bag modules during inflation. The front and 2nd row outboard side air bags will deflate quickly after the collision is over. The front central side

air bag and curtain air bag will remain inflated for a short time.

The side air bags and curtain air bags operate only when the push-button power switch is in the ON position.

After placing the push-button power switch in the ON position, the supplemental air bag warning light illuminates. The supplemental air bag warning light will turn off after approximately 7 seconds if the systems are operational.

WARNING

- Do not place any objects near the seatback of the front and 2nd row seats. Also, do not place any objects (an umbrella, bag, etc.) between the front and rear door finisher, the center console, and the front and 2nd row seats. Such objects may become dangerous projectiles and cause injury if a side air bag inflates.

WARNING

- Right after inflation, several side air bag and curtain air bag system components will be hot. Do not touch them; you may severely burn yourself.
- No unauthorized changes should be made to any components or wiring of the side air bag and curtain air bag systems. This is to prevent damage to or accidental inflation of the side air bag and curtain air bag systems.
- Do not make unauthorized changes to your vehicle's electrical system, suspension system or side panel. This could affect proper operation of the side air bag and curtain air bag systems.
- Tampering with the side air bag system may result in serious personal injury. For example, do not change the front and 2nd row seats by placing material near the seatbacks or by installing additional trim material, such as seat covers, around the side air bag.

⚠ WARNING

- Removing or modifying the front and rear passenger seat may affect the function of the air bag system and result in serious personal injury.
- It is recommended you visit a Nissan Electric Vehicle certified dealer for work on and around the side air bag and curtain air bag. It is also recommended you visit a Nissan Electric Vehicle certified dealer for installation of electrical equipment. The Supplemental Restraint System (SRS) wiring harnesses* should not be modified or disconnected. Unauthorized electrical test equipment and probing devices should not be used on the side air bag or curtain air bag systems.

***The SRS wiring harness connectors are yellow or orange for easy identification.**

When selling your vehicle, we request that you inform the buyer about the side air bag and curtain air bag systems and guide the

buyer to the appropriate sections in this Owner's Manual.

SRS air bag deployment conditions

N07302600099

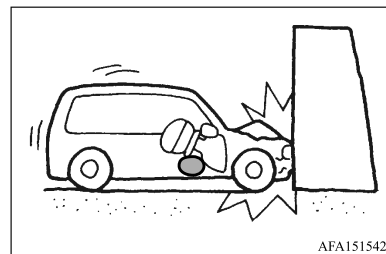
The SRS air bags activate in the event of a front or side impact in which the vehicle occupants may be severely injured even if they are wearing the seat belts properly.

They may not activate when the crash energy is absorbed and/or distributed by the vehicle body. Vehicle damage (or lack of it) is not always an indication of proper SRS air bag system operation.

When the SRS air bag are designed to deploy

■ Driver and front passenger air bags and knee air bags

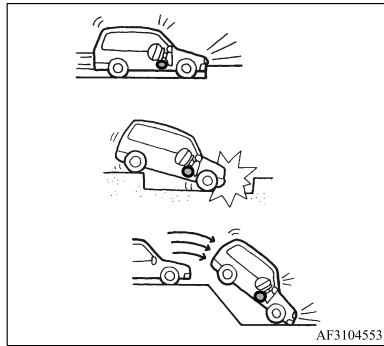
The driver and front passenger air bag and knee air bag systems are designed to inflate in higher severity frontal collisions. Some examples are shown in the following illustrations.



The driver and front passenger air bag and knee air bag systems will deploy in the event of an impact which exceeds a 16 MPH

(25 km/h) frontal collision with a solid wall that does not move or deform.

The driver and front passenger air bag and knee air bag systems may also deploy when the vehicle receives severe damage to the undercarriage.

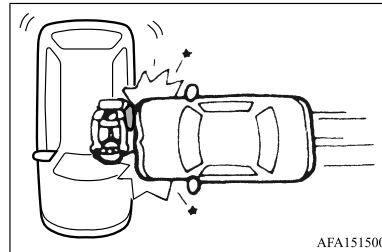


- Hitting a curb, pavement edge or hard surface at high speed
- Falling into a deep hole or ditch
- Landing hard on the ground after jumping

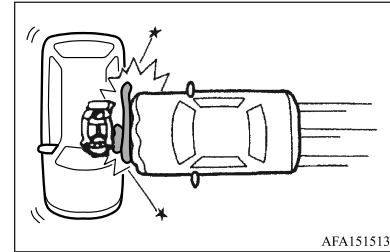
■ Front central side air bag, front and 2nd row seat side air bags and curtain air bags

The front central side air bag, front and 2nd row seat side air bag and curtain air bag systems are designed to inflate in higher severity side collisions. Some examples are shown in the following illustrations.

(Front central side air bag and front and 2nd row seat side air bag system)



(Curtain air bag system)



- The front central side air bag, front and 2nd row seat side air bags and curtain air bags will deploy in the event of a side impact.

When the SRS air bag may not deploy

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

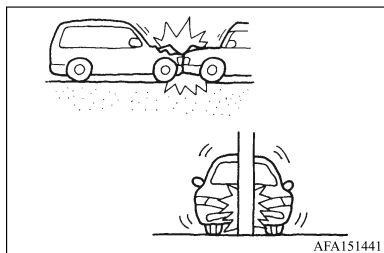
For example, if the vehicle strikes an object, such as a parked vehicle or sign pole, which can move or deform on impact, the SRS air bags may not deploy.

Supplemental Restraint System (SRS)

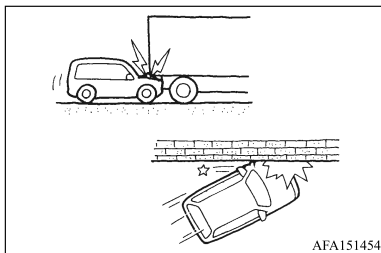
⚠ CAUTION

These depictions are examples, and it is impossible to depict all situations in which an SRS air bag may or may not deploy. All occupants of the vehicle must wear their seat belt at all times.

■ Driver and front passenger air bags and knee air bags

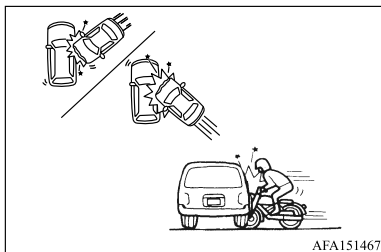


- Striking a vehicle of the same class that is parked
- Crashing into a solid utility pole

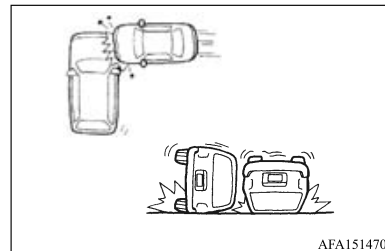


- Running under the liftgate of a truck
- A frontal offset impact to the guard rails

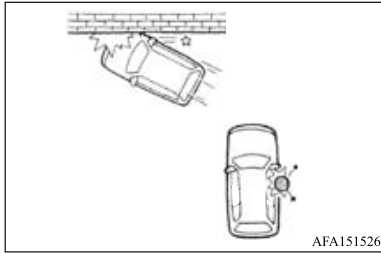
■ Front central side air bag, front and 2nd row seat side air bags and curtain air bags



- A collision from the side at an angle
- A side impact with a two-wheeled vehicle



- A collision from the side impacting the vehicle engine compartment (luggage compartment)
- Vehicle rollover

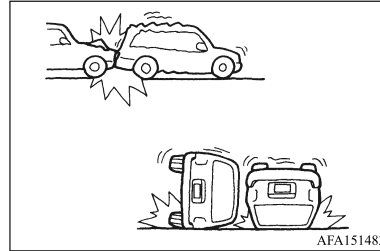


- A frontal offset impact to the guard rails
- A collision with a pole

When the SRS air bag are not designed to deploy

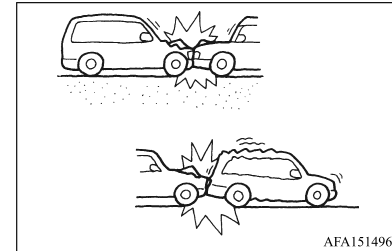
Once the SRS air bag has inflated, the air bag module will not function again if your vehicle collides with another vehicle or an object. The SRS air bag will only deploy once, and must therefore be replaced after any deployment. Other examples where the SRS air bag will not deploy are shown in the following illustrations.

■ Driver and front passenger air bags and knee air bags



- A collision from the side or rear
- Vehicle rollover

■ Front central side air bag, front and 2nd row seat side air bags and curtain air bags



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

Seat belts with pretensioners (front and 2nd row outboard seats)

N07302700087

WARNING

- The pretensioners will only activate once. After pretensioner activation, a load limiter within the seat belt system may allow the seat belt to release webbing to reduce forces against the chest and help reduce the risk of injury. The pretensioner and the load limiter must be replaced together with the retractor and buckle as a unit.
- If the vehicle becomes involved in a collision but a pretensioner is not activated, be sure to have the pretensioner system checked and, if necessary, repaired. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service.

WARNING

- No unauthorized changes should be made to any components or wiring of the pretensioner system. This is to prevent damage to or accidental activation of the pretensioners. Tampering with the pretensioner system may result in serious personal injury.
- It is recommended you visit a Nissan Electric Vehicle certified dealer for work on and around the pretensioner system. It is also recommended you visit a Nissan Electric Vehicle certified dealer for installation of electrical equipment. Unauthorized electrical test equipment and probing devices should not be used on the pretensioner system.

WARNING

- If you need to dispose of a pretensioner or scrap the vehicle, it is recommended you visit a Nissan Electric Vehicle certified dealer for this service. Correct pretensioner disposal procedures are set forth in the appropriate NISSAN Service Manual. Incorrect disposal procedures could cause personal injury.

The pretensioner system may activate with the 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 and 2nd row outboard seat occupants.

The pretensioner is encased with the seat belt retractor. These seat belts are used the same way as conventional seat belts.

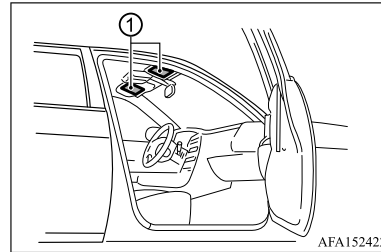
When a pretensioner activates, smoke is released and a loud noise may be heard. The smoke is not harmful and does not indi-

cate 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. The pretensioners will only activate once. After pretensioner activation, a load limiter within the seat belt system may allow the seat belt to release webbing to reduce forces against the chest and help reduce the risk of injury. The pretensioner and the load limiter must be replaced together with the retractor and buckle as a unit. The supplemental air bag warning light  is used to indicate malfunctions in the pretensioner system. See "Supplemental air bag warning light" on page 147. If the operation of the supplemental air bag warning light indicates there is a malfunction, have the system checked. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service.

When selling your vehicle, we request that you inform the buyer about the pretensioner system and guide the buyer to the appropriate sections in this Owner's Manual.

Air bag warning labels

N07302800062



Warning labels ① about the front air bag system are placed in the vehicle as shown in the illustration.

SRS air bag

The warning labels ① are located on the surface of the sun visors.

WARNING

Do not use a rear-facing child restraint or infant restraint on a seat protected by an air bag in front of it. If the air bag deploys, it may cause serious injury or death.

Supplemental air bag warning light

N07302900063



The supplemental air bag warning light, displaying  in the instrument panel, monitors the circuits for the air bag systems, pretensioners and all related wiring. When the push-button power switch is in the ON position, the

Supplemental Restraint System (SRS)

supplemental air bag warning light illuminates for approximately 7 seconds and then turns off. This means the system is operational.

If any of the following conditions occur, the air bag and/or pretensioner systems need servicing:

- 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 come on at all.
- The supplemental air bag warning light and/or the warning display comes on while driving.

Under these conditions, the air bag and/or pretensioner systems may not operate properly. They must be checked and repaired. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service.

WARNING

If the supplemental air bag warning light is on, it could mean that the front air bag, knee air bag, side air bag, curtain air bag and/or pretensioner systems will not operate in an accident. To help avoid injury to yourself or others, have your vehicle checked immediately. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service.

Repair and replacement procedure

N07303000074

The front air bags, knee air bags, side air bags, curtain air bags and pretensioners are designed to activate on a one-time-only basis. As a reminder, unless it is damaged, the supplemental air bag warning light will remain illuminated after inflation has occurred. These systems should be repaired and/or replaced as soon as possible. It is recommended you visit a Nissan Electric

Vehicle certified dealer for this service.

When maintenance work is required on the vehicle, the front air bags, knee air bags, side air bags, curtain air bags and pretensioners and related parts should be pointed out to the person performing the maintenance. The push-button power switch should always be in the LOCK position when working under the hood or inside the vehicle.

WARNING

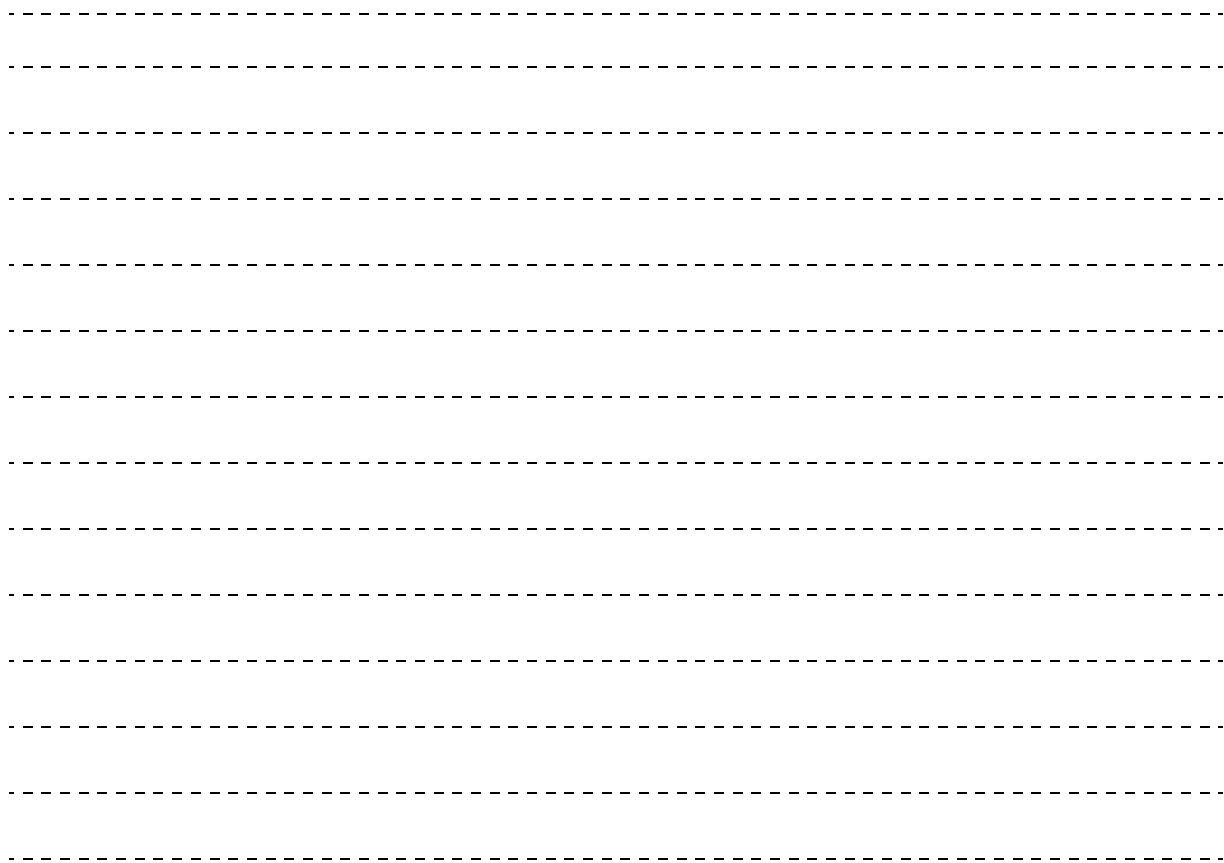
- **Once a front air bag, knee air bag, side air bag or curtain air bag has inflated, the air bag module will not function again and must be replaced. The activated pretensioners and air bag module should be replaced. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service. However, the air bag modules and pretensioner system cannot be repaired.**

⚠ WARNING

- The front air bag, knee air bag, side air bag and curtain air bag systems, and pretensioner system should be inspected if there is any damage to the front end or side portion of the vehicle. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service.
- If you need to dispose of a air bag or pretensioner or scrap the vehicle, it is recommended you visit a Nissan Electric Vehicle certified dealer. Correct air bag and pretensioner system disposal procedures are set forth in the appropriate NISSAN Service Manual. Incorrect disposal procedures could cause personal injury.

⚠ WARNING

- If there is an impact to your vehicle from any direction, your Occupant Classification Sensor (OCS) should be checked to verify it is still functioning correctly. It is recommended that you visit a Nissan Electric Vehicle certified dealer for this service. The OCS should be checked even if no air bags deploy as a result of the impact. Failure to verify proper OCS function may result in an improper air bag deployment resulting in injury or death.
- When you transfer ownership of the vehicle to another person, we urge you to alert the new owner that it is equipped with the SRS and refer that owner to the applicable sections in this owner's manual.
- If you decide to junk or scrap your vehicle, we urge you to first take it to a Nissan Electric Vehicle certified dealer so that the SRS can be made safe for disposal.

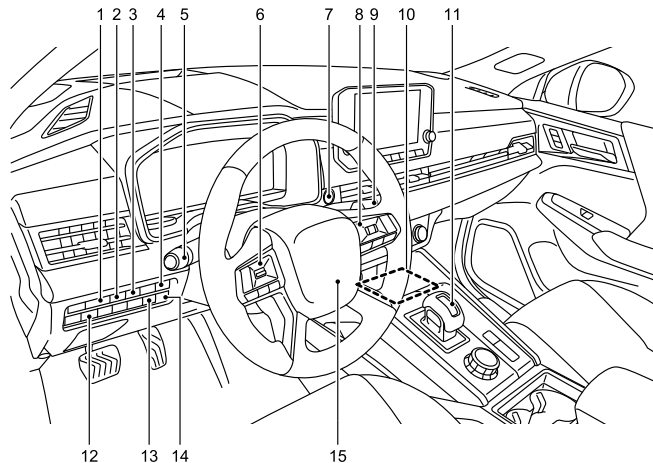


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Cockpit

N07400100088



• Also includes differences in equipment specifications and manufacturer options.

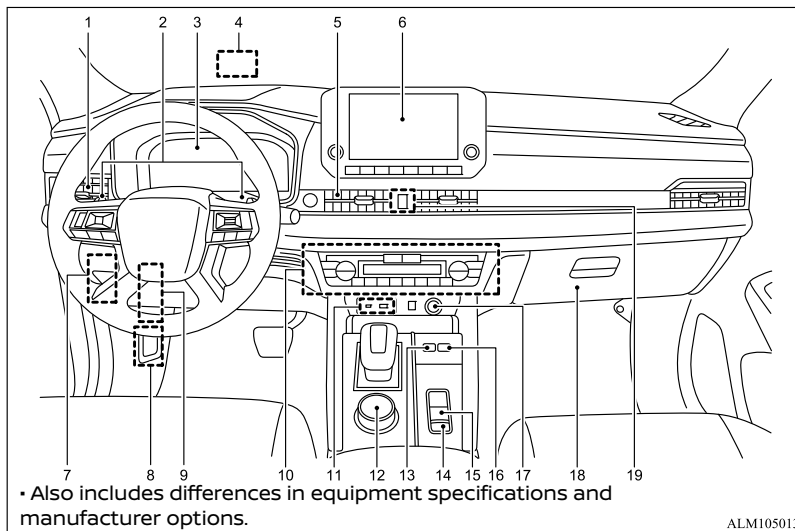
ALM105000

8. Steering-wheel-mounted controls (right side)
 - ProPILOT Assist
 - Bluetooth® Hands-Free Phone System*
 - Voice Recognition system switch*
 9. Wiper and washer switch
 10. Wireless charger
 11. Shift lever
 12. Head Up Display (HUD) switch
 13. Immediate charge switch
 14. Charge connector unlock switch
 15. Steering wheel
 - Horn
- *: Refer to the separate Nissan-Connect® Owner's Manual.

1. Instrument brightness control
2. Fuel filler door opener switch
3. 120V AC socket (1500W) switch
4. Power liftgate switch
5. Headlight and turn signal switch/Foglight switch
6. Steering-wheel-mounted controls (left side)
 - Audio control*
 - Vehicle information display control
7. Push-button power switch

Instrument panel

N07400200089



1. Side ventilator
2. Regenerative braking level selector (paddle type)
3. Meters and gauges/Clock
4. Head Up Display (HUD)
5. Center ventilator

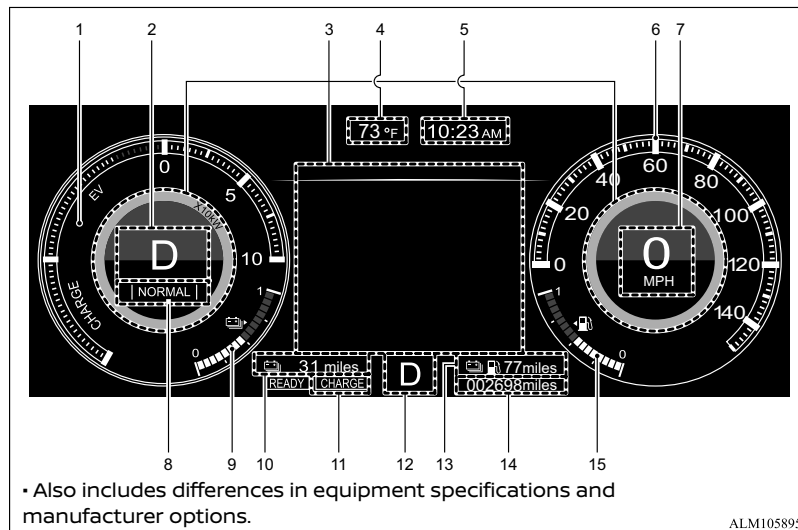
6. Audio system* or navigation system*
 - Intelligent Around View® Monitor
 - Bluetooth® Hands-Free Phone System*

7. Fuse box cover
8. Hood release handle
9. Tilt and telescopic steering lock lever
10. Heater/air conditioner control
 - Defroster switch
 - Wiper deicer switch
 - Heated seat switch
 - Heated steering wheel switch
11. USB (Universal Serial Bus) connection ports*
12. Drive mode selector
 - Hill Descent Control switch
13. e-Step switch
14. Automatic brake hold switch
15. Parking brake switch
16. EV mode selector switch
17. Power outlet
18. Glove box
19. Hazard indicator flasher switch

*: Refer to the separate Nissan-Connect® Owner's Manual.

Meters and gauges

N07400300077



11. EV mode indicator
12. Shift lever position indicator
13. Total cruising range
14. Odometer
15. Fuel gauge
- Warning/indicator lights

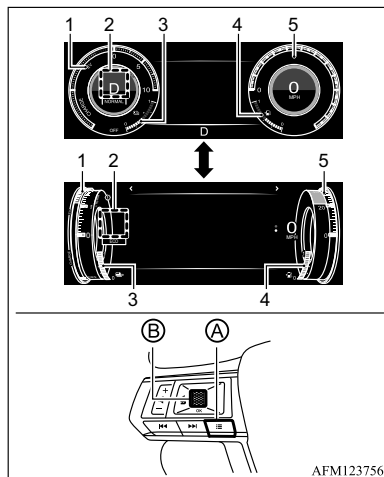
CAUTION

- For cleaning, use a soft cloth, dampened with water. Never use a rough cloth, alcohol, benzene, thinner or any kind of solvent or paper towel with a chemical cleaning agent. They will scratch or cause discoloration to the lens.
- Do not spray any liquid such as water on the meter lens. Spraying liquid may cause the system to malfunction.

1. Energy usage indicator	5. Clock
2. Personal display	6. Speedometer
3. Vehicle information display — Distance to empty/Odometer	7. Digital speedometer
4. Outside air temperature	8. Drive mode indicator
	9. Energy level gauge
	10. EV cruising range

Changing the meter screen view

N07400400065



1. Energy usage indicator
2. Personal display
3. Energy level gauge
4. Fuel gauge
5. Speedometer

AFM123756

The meter screen view can be changed to expand the vehicle information display area.

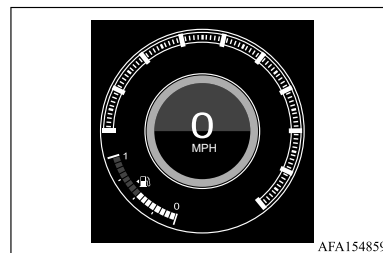
To change the meter screen view:

1. Push the control switch (A) on the left side of the steering wheel.
2. The "Shortcut Menu" screen appears on the vehicle information display area.
3. Select "Change Meter View" by rotating the scroll dial (B) and push scroll dial (B) to confirm.

Speedometer

N07400500053

Example



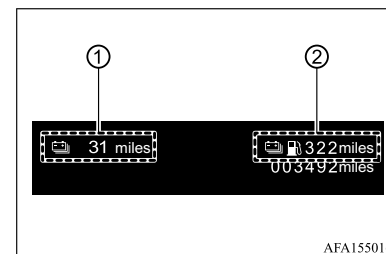
AFA154859

The speedometer indicates vehicle speed in miles per hour (MPH) and/or kilometers per hour (km/h).

EV cruising range display/Total cruising range display

N07400600041

Example



AFA155016

EV cruising range display

①

This displays the distance that can be traveled with the remaining power in the Li-ion battery.

Total cruising range display ②

This displays the distance that can be traveled with the remaining power in the Li-ion battery and the remaining amount of fuel.

NOTE

- The EV cruising range may vary depending on driving conditions and your personal driving habits. The EV cruising range is calculated from the following information.
 - Current remaining power in the Li-ion battery.
 - The most recent electric power consumption rate.
 - Operation status of the air-conditioner. If the preceding driving condition is in the following situations, the EV cruising range display may show less distance than before even though there are almost the same level remaining power in the Li-ion battery.

NOTE

- When much electricity is consumed from the Li-ion battery, such as in a traffic jam, hill-climbing or high-speed driving.
- When the air conditioner is operating.

Treat the distance displayed as just a rough guideline.

If the 12-volt battery is disconnected the EV range display value will vary from the previously displayed value.

It is recommended that the 12-volt battery be disconnected by a Nissan Electric Vehicle certified dealer.

- When the Li-ion battery is charged or the vehicle is refueled, the cruising range display is updated. However, if the charge level is low or the refueling amount is small, it cannot be updated correctly. Fully charge the battery or refill to full tank whenever possible.

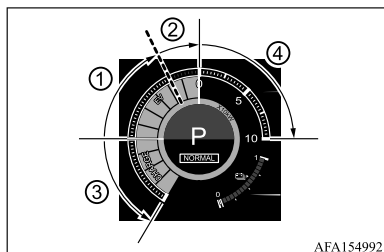
NOTE

- On rare occasions, the value displayed for the driving range may change if you are parked on an extremely steep incline. This is due to the movement of fuel in the tank and does not indicate any malfunction.
- When the EV cruising range falls below approximately 1 mile (approximately 1 km), the EV cruising range display shows "0".
- When the total cruising range falls below approximately 20 miles (approximately 30 km), the total cruising range display shows "---".

Energy usage indicator

N07400700042

Example



AFA154992

①② EV zone

The EV zone shows the output during EV drive (driving with the engine stopped).

When the needle of the energy usage indicator is within the zone ①, the vehicle can continue to drive in EV mode. When the needle enters the zone ②, the engine is more likely to start. As the motor output increases, the movement range of the needle of

the energy usage indicator increases.

In addition, the needle of the energy usage indicator indicates the horizontal position when the engine is stopped or there is no electric energy by the motor output and the regenerative brake. While the engine is running, the EV zone indicates the output from the electric motor.

NOTE

- Depending on the state of the vehicle (such as during heating of air conditioner, continuous high load operation or deceleration when the Li-ion battery is almost fully charged), the engine may start regardless of the position of the needle of the energy usage indicator.
- Even when the EV priority mode is selected and the engine does not start, the needle of the energy usage indicator may indicate the zone ② (zone that the engine is more likely to start).

NOTE

- Depending on the vehicle condition, the movement of the needle of the energy usage indicator may be different or fluctuated.
- More economical driving can be achieved by operating in a state where minimal fluctuation of the needle is experienced within the zone ①.

③ Charge zone

Indicates the charging power generated by the regenerative brake.

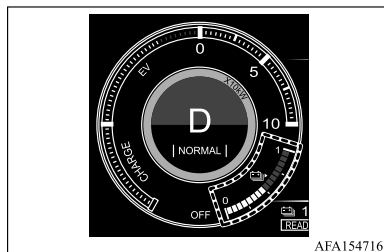
The more the needle moves, the more electric energy is charged. The needle of the energy usage indicator may not enter the charge zone when the Li-ion battery is close to full charge.

④ Engine output zone

Indicates the engine output.

Energy level gauge

NO7400800030



AFA154716

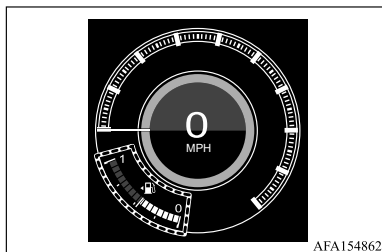
The energy level gauge shows the current charge level of the Li-ion battery.

NOTE

The energy level gauge may vary depending on the temperature of the Li-ion battery.

Fuel gauge

NO7400900073



AFA154862

The fuel gauge indicates the approximate fuel level in the tank when the push-button power switch is in the ON position.

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

It may take several seconds to stabilize the display after refilling the tank.

The low fuel warning  appears on the vehicle information display when the fuel level in the tank is getting low. Refuel as soon as it is

convenient, preferably before the gauge reads 0 (empty).

The arrow, , indicates the location of the fuel filler door.

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

If fuel is added with the push-button power switch in the ON position, or the amount of the refueled fuel is small, the remaining fuel display may incorrectly indicate the fuel level.

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

CAUTION

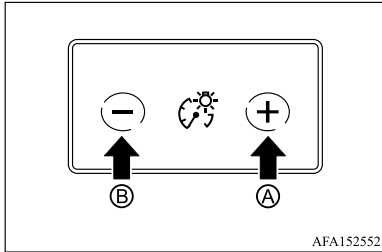
- If the vehicle runs out of fuel, the  Malfunction Indicator Light (MIL) may come on. Refuel immediately. After a few driving trips, the  light should turn off. If the light remains on after a few driving trips, have the vehicle inspected. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service.

⚠ CAUTION

- For additional information about “Malfunction Indicator Light (MIL)”, refer to “Warning/indicator lights (yellow)” on page 165.

Instrument brightness control

N07401000068



AFA152552

The instrument brightness control switch can be operated when the push-button power switch is in the ON position.

Push the + side of the switch (A) to brighten the meter and instrument panel lights.

Push the — side of the switch (B) to dim the lights.

Shift lever position indicator

N07401100030

The shift lever position indicator indicates the shift lever position when the push-button power switch is in the ON position.

EV mode indicator

N07401200031



AFA155029

The EV mode indicator shows selected EV mode when the push-button power switch is ON. To select the EV mode, push the EV mode switch. (See “EV mode selector switch” on page 370.)

Odometer

N07401300032



AFA154875

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

Warning lights, indicator lights and audible reminders

N07401400088

Warning/indicator lights (red)		Warning/indicator lights (yellow)		Warning/indicator lights (other)	
	12-volt battery charge warning light		Slip indicator light		High beam assist indicator light
	Brake warning light (red)		Vehicle Dynamic Control (VDC) off indicator light		Automatic brake hold indicator light (white)
					
	Electric shift control system warning light		Approaching Vehicle Sound for Pedestrians (VSP) OFF indicator light		Automatic brake hold indicator light (green)
	Electronic parking brake warning light		Anti-lock Braking System (ABS) warning light		Plug in indicator light
					
	Engine oil pressure warning light		Electronic parking brake system warning light		Li-ion battery temperature warning light
	Hands OFF warning light (if so equipped)		Malfunction Indicator Light (MIL)		Exterior light indicator
	Master warning light (red)		Electric power steering warning light		Front fog light indicator light
	Seat belt warning light and chime		Automatic Emergency Braking (AEB) system OFF warning light		High beam indicator light
	Supplemental air bag warning light		Hill Descent Control system ON indicator light		Low beam indicator light

Warning/indicator lights (red)	Warning/indicator lights (yellow)	Warning/indicator lights (other)
	 Low tire pressure warning light	 e-Step indicator
	 Master warning light (yellow)	 READY to drive indicator light
	 Plug-in Hybrid System warning light	 Turn signal/hazard indicator lights
	 Rear Automatic Braking (RAB) system OFF warning light	

Checking lights

With all doors closed, apply the parking brake, fasten the seat belts and place the push-button power switch in the ON position without starting the Plug-in Hybrid system. The following lights (if so equipped) will come on:

, ,  (red), ,  OFF,  OFF, 

The following lights (if so equipped) come on briefly and then go off:

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

, 

If any lights does not come on or operates in a way other than described, it may indicate a burned-out bulb and/or a system malfunction. It is recommended you have the system checked by a Nissan Electric Vehicle certified dealer.

Warning/indicator lights (red)

N07401500076

See also "Vehicle information display" on page 174.

12-volt battery charge warning light

When the push-button power switch is in the ON position, the 12-volt battery charge warning light illuminates and then turns off.

If the light illuminates while the Plug-in Hybrid system is operating, it may indicate the charging system is not functioning properly. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service.

Warning lights, indicator lights and audible reminders

or **Brake warning light (red)**

This light functions for the brake system.

■ **Low brake fluid warning light**

When the push-button power switch is placed in the ON position, the brake warning light illuminates, and then turns off. If the light illuminates while the Plug-in Hybrid system is operating, stop the vehicle and perform the following:

1. Check the brake fluid level. If brake fluid is necessary, add fluid and have the system checked. It is recommended you have this service performed by a Nissan Electric Vehicle certified dealer. (See "Brake fluid" on page 544.)

2. If the brake fluid level is correct, have the warning system checked. It is recommended you have this service performed by a Nissan Electric Vehicle certified dealer.

■ **Anti-lock Braking System (ABS) warning indicator**

When the parking brake is released and the brake fluid level is sufficient, if both the brake warning light and the Anti-lock Braking System (ABS) warning light illuminate, it may indicate the ABS is not functioning properly. Have the brake system checked, and if necessary repaired. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service. (For additional information about "Anti-lock Braking System (ABS) warning light", refer to "Warning/indicator lights (yellow)" on page 165.)

WARNING

- Your brake system may not be working properly if the warning light is on. Driving could be dangerous. If you judge it 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 Plug-in Hybrid system stopped and/or low brake fluid level may increase your 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. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service.



Electric shift control system warning light

When the push-button power switch is in the ON position, the electric shift control system warning light illuminates, and then turns off. This indicates the electric shift control system is operational.

The electric shift control system warning light illuminates when a malfunction occurs in the electric shift control system. When the master warning light illuminates, the chime sounds and the following message is displayed in the vehicle information display: "When parked apply parking brake".

When the push-button power switch is placed in the OFF position, the chime sounds continuously. Ensure the parking brake is applied.

Have the system checked by a Nissan Electric Vehicle certified dealer or a repair facility of your choice immediately.



or PARK Electronic parking brake warning light

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

When the push-button power switch is placed in the ON position, the electronic parking brake warning light illuminates. When the Plug-in Hybrid system is started and the parking brake is released, the warning light turns off.

If the parking brake is not fully released, the electronic parking brake warning light remains on. Be sure that the electronic parking brake warning light has turned off before driving. (See "Parking brake" on page 364.)

If the electronic parking brake warning light illuminates or flashes while the electronic parking brake system warning light  illuminates, it may indicate that

the electric parking brake system is not functioning properly. Have the system checked, and if necessary repaired. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service.



Engine oil pressure warning light

This light warns of low engine oil pressure. When the push-button power switch is in the "ON" position, the engine oil pressure warning light illuminates. After starting the Plug-in Hybrid system, the engine oil pressure warning light turns off. This indicates that the oil pressure sensors in the engine are operational. If the engine oil pressure warning light illuminates while the Plug-in Hybrid system is operating, it may indicate that the engine oil pressure is low.

Stop the vehicle safely as soon as possible. Stop the Plug-in Hybrid system immediately and it is rec-

Warning lights, indicator lights and audible reminders

ommended you call a Nissan Electric Vehicle certified dealer.

CAUTION

- Running the engine with the engine oil pressure warning light illuminated could cause serious damage to the engine.
- The engine oil pressure warning light is not designed to indicate a low oil level. The oil level should be checked using the dipstick. (See "Engine oil" on page 543.)



Hands OFF warning light

When the Steering Assist is activated, it monitors the driver's steering wheel operation.

If the steering wheel is not operated or the driver takes his/her hands off the steering wheel for a period of time, the warning light illuminates on the meter panel.

If the driver does not operate the steering wheel after the warning light has been illuminated, an audible alert sounds and the

warning flashes in the vehicle information display, followed by a quick brake application to request the driver to take control of the vehicle again. If the driver still does not respond, the system turns on the hazard flasher and slows the vehicle to complete stop.

(See "Steering Assist" on page 453.)



Master warning light (red)

When the push-button power switch is in the ON position, the master warning light (red) illuminates if a warning message appears in the vehicle information display.

See "Vehicle information display" on page 174.



Seat belt warning light and chime

The seat belt warning light located in the instrument panel will immediately illuminate whenever the push-button power switch is ON and any front row occupant's seat belt is not fastened. It will also illuminate if any rear seat belt changes from fastened to unfastened.

If the vehicle speed exceeds 10 MPH (15 km/h) the light will flash and a chime will sound for at least 95 seconds or until all occupants are deemed to have their seat belts securely fastened.

All occupants are deemed fastened when all front row occupants have their seat belts securely fastened and the number of rear fastened seat belts matches the maximum number seen during the journey. The journey is considered finished and the system will reset when either rear door is opened while the vehicle is stationary.

When the push-button power switch is placed in the ON position, the chime will sound for approximately 6 seconds unless the driver's seat belt is securely fastened.

For additional information, refer to "Seat belt warning light and chime" on page 92.

NOTE

- The warning light will also illuminate 75 seconds in following cases.
 - When the push-button power switch is switched ON, and any rear row occupant's seat belt is not fastened.
 - When either rear door is opened while the vehicle is stationary, and any rear row occupant's seat belt is not fastened.
- The warning light comes on even if no one is sitting on the rear seats.
- When all front row occupant's seat belts are fastened and no chime sounds, the driver can acknowledge the warning light by pushing the scroll dial on the left side of the steering wheel.



Supplemental air bag warning light

After placing the push-button power switch in the ON position, the supplemental air bag warning light will illuminate. The supplemental air bag warning light will turn off after approximately 7 seconds if the supplemental front air bag and supplemental side air bag, curtain air bag systems and/or pretensioner seat belt are operational.

If any of the following conditions occur, the front air bag, side air bag, curtain air bag and pretensioner systems need servicing.

- 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.

It is recommended you visit a Nissan Electric Vehicle certified dealer for these services.

Unless checked and repaired, the Supplemental Restraint Systems and/or the pretensioners may not function properly.

For additional information, see "Supplemental Restraint System (SRS)" on page 120.

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 pretensioner systems will not operate in an accident. To help avoid injury to yourself or others, have your vehicle checked. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service.

Warning/indicator lights (yellow)

N07401600064

See also "Vehicle information display" on page 174.



Slip indicator light

When the push-button power switch is in the ON position, the indicator light illuminates and then turns off.

The light will blink when the Vehicle Dynamic Control (VDC) system or the traction control system is operating, thus alerting the driver that the vehicle is nearing its traction limits. The road surface may be slippery.

Slip indicator light also blinks on and off when Trailer Sway Control system operates.

If the indicator light illuminates while the VDC is on, this light alerts the driver to the fact that the VDC's fail-safe mode is operating, for example the VDC may not be functioning properly. Have the system checked. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service. If a malfunction occurs in the system, the VDC function will be canceled but the vehicle is still driveable.

For additional information, see "Vehicle Dynamic Control (VDC) system" on page 496 and "Trailer Sway Control" on page 499.



Vehicle Dynamic Control (VDC) off indicator light

When the push-button power switch is in the ON position, the indicator light illuminates and then turns off.

The light comes on when the Vehicle Dynamic Control (VDC) system is turned OFF. This indicates that the VDC and traction control system are not operating.



Approaching Vehicle Sound for Pedestrians (VSP) OFF indicator light

The light illuminates when the Approaching Vehicle Sound for Pedestrians (VSP) is not functioning properly.

Have the system checked. It is recommended you visit a Nissan Electric Vehicle certified dealer.

See "Approaching Vehicle Sound for Pedestrians (VSP)" on page 24.



ABS or Anti-lock Braking System (ABS) warning light

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

If the ABS warning light illuminates while the Plug-in Hybrid system is operating, or while driving, it may indicate the ABS is not functioning properly. Have the system checked. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service.

If an ABS malfunction occurs, the anti-lock function is turned off. The brake system then operates normally, but without anti-lock

assistance. (See "Brake system" on page 493.)



Electronic parking brake system warning light

When the push-button power switch is in the ON position, the electronic parking brake system warning light illuminates and then turns off.

The electronic parking brake system warning light functions for the electric parking brake system or brake system. If the warning light illuminates, it may indicate that the electric parking brake system or brake system is not functioning properly. Have the brake system checked, and, if necessary, repaired. It is recommended that you visit a Nissan Electric Vehicle certified dealer for this service.



Malfunction Indicator Light (MIL)

This light is a part of an onboard diagnostic system which monitors the emissions, engine control system.

If a problem is detected in one of these systems, this light illuminates.

Although your vehicle will usually be drivable and not need towing, we recommend you to have the system checked immediately.

This light will also illuminate when the operation mode of the push-button power switch is put in ON, and goes off after the Plug-in Hybrid System has started. If it does not go off after the Plug-in Hybrid System has started, we recommend you to have the vehicle checked.

CAUTION

- Prolonged driving with this light on may cause further damage to the emission control system. It could also affect fuel economy and drivability.
- If the light does not illuminate when the operation mode is put in ON, we recommend you to have the system checked.
- If the light illuminates while the Plug-in Hybrid System is operating, avoid driving at high speeds and have the system checked immediately. It is recommended you visit a Nissan Electric Vehicle certified dealer.

NOTE

The engine electronic control module accommodating the onboard diagnostic system has various fault data (especially about the exhaust emission) stored.

Do not disconnect a 12-volt battery cable when the Malfunction Indicator Light (MIL) is ON.



Electric power steering warning light

When the push-button power switch is in the ON position, the electric power steering warning light illuminates. After starting the Plug-in Hybrid system, the electric power steering warning light turns off. This indicates the electric power steering is operational.

If the electric power steering warning light illuminates while the Plug-in Hybrid system is operating, it may indicate the electric power steering is not functioning properly and may need servicing. Have the system checked. It is recommended that you visit a Nissan Electric Vehicle certified dealer for this service.

When the electric power steering warning light illuminates with the Plug-in Hybrid system operating, 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” on page 493.)



Automatic Emergency Braking (AEB) system OFF warning light

This light comes on when the push-button power switch is placed in the ON position. It turns off after the Plug-in Hybrid system is started.

This light illuminates when the AEB system is turned off in the vehicle information display.

If the light illuminates when the AEB system is ON, it may indicate that the system is unavailable. See “Automatic Emergency Braking (AEB) with Pedestrian Detection system” on page 464 or “Intelligent Forward Collision Warning (I-FCW)” on page 474.



Hill descent control system ON indicator light

When the push-button power switch is placed in the “ON” position the hill descent control system ON indicator light illuminates briefly and then turns off. This indicates that the hill descent control system is operational.

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

If the hill descent control system is on and the indicator light blinks, the system is not engaged. If the indicator light does not illuminate or blink when the hill descent control system is on, the system may not be functioning properly. Have the system checked. It is recommended you visit a Nissan Electric Vehicle certified dealer.

For additional information, see “Hill descent control system” on page 500.



Low tire pressure warning light

Your vehicle is equipped with a Tire Pressure Monitoring System (TPMS) that monitors the tire pressure of all tires.

The low tire pressure warning light warns of low tire pressure or indicates that the TPMS is not functioning properly.

After the push-button power switch is placed in the ON position, this light illuminates for approximately 1 second and turns off.

■ Low tire pressure warning

If the vehicle is being driven with low tire pressure, the warning light will illuminate. The "Tire Pressure Low - Add Air" warning also appears in the vehicle information display.

When the low tire pressure warning light illuminates, you should stop and adjust the tire pressure to the recommended COLD tire

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

The "Tire Pressure Low - Add Air" warning is active as long as the low tire pressure warning light remains illuminated.

For additional information, see "Vehicle information display" on page 174, "Tire Pressure Monitoring System (TPMS)" on page 341 and "Tire Pressure Monitoring System (TPMS)" on page 514.

■ TPMS malfunction

If the TPMS is not functioning properly, the low tire pressure warning light will flash for approximately 1 minute when the push-

button power switch is placed in the ON position. The light will remain on after the 1 minute. Have the system checked. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service. The "Tire Pressure Low - Add Air" warning does not appear if the low tire pressure warning light illuminates to indicate a TPMS malfunction.

For additional information, see "Tire Pressure Monitoring System (TPMS)" on page 341.

WARNING

- If the light does not illuminate with the push-button power switch placed in the ON position, have the vehicle checked. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service immediately.

WARNING

- If the light illuminates while driving, avoid sudden steering maneuvers or abrupt braking, reduce vehicle speed, pull off the road to a safe location and stop the vehicle immediately. Driving with under-inflated tires may permanently damage the tires and increase the likelihood of tire failure. Serious vehicle damage could occur and may lead to an accident and could result in serious personal injury. Check the tire pressure for all four tires. Adjust the tire pressure to the recommended COLD tire pressure shown on the Tire and Loading Information placard to turn the low tire pressure warning light OFF.
- If the light still illuminates while driving after adjusting the tire pressure, a tire may be flat or the TPMS may be malfunctioning. If you have a flat tire, repair it with the emergency tire puncture repair kit immediately.

WARNING

- If no tire is flat and all tires are properly inflated, it is recommended you consult a Nissan Electric Vehicle certified dealer.
- If a wheel that not equipped with the TPMS is installed, the TPMS will not function and the low tire pressure warning light will flash for approximately 1 minute. The light will remain on after 1 minute. It is recommended you consult a Nissan Electric Vehicle certified dealer.
- Replacing tires with those not originally specified by NISSAN could affect the proper operation of the TPMS.

CAUTION

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

CAUTION

- Be sure to install the specified size of tires to the four wheels correctly.

Master warning light (yellow)

When the push-button power switch is in the ON position, the master warning light (yellow) illuminates if a warning message appears in the vehicle information display. See "Vehicle information display" on page 174.

Plug-in Hybrid System warning light

This warning light will illuminate when there is a fault at the Plug-in Hybrid System. Normally, this warning light illuminates when the operation mode of the push-button power switch is put in ON, and goes off after a few seconds.

⚠ CAUTION

If the warning light illuminates and relevant warning message is displayed on the vehicle information display while the Plug-in Hybrid System is operating, follow the instruction of the message. See "Vehicle information display warnings and indicators" on page 187.


Rear Automatic Braking (RAB) system OFF warning light

This light comes on when the push-button power switch is placed in the ON position. It turns off after the Plug-in Hybrid system is started.

This light illuminates when the RAB system is turned off in the vehicle information display. If the light illuminates when the RAB system is ON, it may indicate that the system is unavailable. See "Rear Automatic Braking (RAB)" on page 483.

Warning/indicator lights (other)

NO7401700081

See also "Vehicle information display" on page 174.


High beam assist indicator light

The High beam assist indicator light illuminates when the high beam assist system is turned on and it is operational. (See "Headlight switch" on page 227.)


Automatic brake hold indicator light (white)

The automatic brake hold indicator light (white) illuminates when the automatic brake hold system is on standby. (See "Automatic brake hold" on page 367.)


Automatic brake hold indicator light (green)

The automatic brake hold indicator light (green) illuminates while the automatic brake hold system is operating. (See "Automatic brake hold" on page 367.)


Plug in indicator light

This indicator illuminates when the EVSE (Electric Vehicle Supply Equipment) is connected.

After that, the light switches to being blinked when charging starts.

When charging is complete, the indicator will change from blinking to lit and will turn off after a while.



Li-ion battery temperature warning light

This warning light flashes when the Li-ion battery becomes hot, and when the temperature rises further, the warning light continues to illuminate and the Li-ion battery temperature warning message is displayed at the same time.

Stop at a safe place and it is recommended you contact a Nissan Electric Vehicle certified dealer.



Exterior light indicator

This indicator illuminates when the headlight switch is turned to the AUTO,  or  position and the front parking lights, tail lights, license plate lights or headlights are on. The indicator turns off when these lights are turned off.



Front fog light indicator light

The front fog light indicator light illuminates when the front fog lights are on. (See “Fog light switch” on page 233.)



High beam indicator light

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



Low beam indicator light

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



e-Step indicator

The e-Step indicator in the vehicle information display shows the status of the e-Step system. When the system is turned on, the indicator illuminates.

For additional information, see “e-Step system” on page 374.



READY to drive indicator light

The READY to drive indicator light keeps flashing until Plug-in Hybrid System is activated. When the Plug-in Hybrid System has activated normally and the vehicle becomes ready to run, the light stops flashing and stays lit. Refer to “Starting and stopping the Plug-in Hybrid System” on page 356.

If the indicator keeps flashing, the vehicle cannot drive.



Turn signal/hazard indicator lights

The light flashes when the turn signal switch lever or hazard switch is turned on.

Audible reminders

N07401800066

Light reminder chime

The light reminder chime will sound when the driver side door is opened with the headlight switch in the  or  position, and the push-button power switch is in the OFF position.

Turn the light switch to the AUTO or OFF (if so equipped) position when you leave the vehicle.

Driving aid chimes

An audible alert/chime may be heard if any of the following systems are active (if so equipped):

- Lane Departure Warning (LDW)*
- Intelligent Lane Intervention (I-LI)*
- Automatic Emergency Braking (AEB) with Pedestrian Detection system
- Intelligent Forward Collision Warning (I-FCW)
- Blind Spot Warning (BSW)
- Intelligent Blind Spot Intervention (I-BSI)
- Rear Cross Traffic Alert (RCTA)
- ProPILOT Assist
- Rear Automatic Braking (RAB)
- Sonar system

*: Only when the Steering Assist is turned on

For additional information, refer to the “Starting and driving” section of this manual.

Door lock warning chime

When the chime sounds, be sure to check both the vehicle and the Intelligent Key. See “Troubleshooting guide” on page 273.

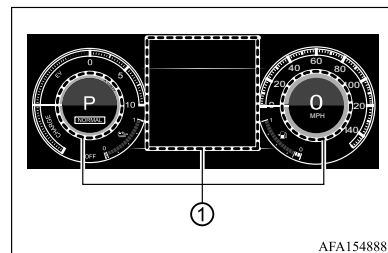
Brake pad wear warning

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.

Vehicle information display

N07401900083

Example



The vehicle information display ① is located as shown above, and it displays the warnings and information. The following items are also displayed if the vehicle is equipped with them:

- Tachometer
- Speedometer
- Vehicle settings
- Trip computer information
- Driver Assistance
- Cruise control system information

- ProPILOT Assist
- Key operation information
- Audio information
- Navigation - turn by turn
- Indicators and warnings
- Tire pressure information
- Other information

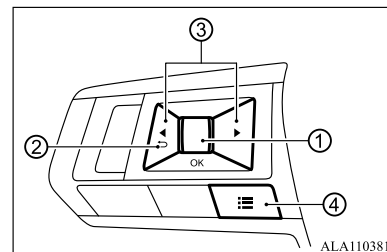
Changing the meter screen view

N07402000049

The meter screen view can be changed to expand the vehicle information display area. See "Changing the meter screen view" on page 155 for how to transform.

How to use the vehicle information display

N07402100066



The vehicle information display can be changed using the buttons scroll dial ①, ⏮ ②, and ⏭ ③ located on the steering wheel.

- ① Scroll dial - rotate to navigate through the items and push to change or select an item in vehicle information display
- ② ⏮- go back to the previous menu
- ③ ⏭- change from one display screen to the next (i.e. trip, Fuel economy)

- ④ Control switch - display the "Shortcut Menu" screen

Shortcut Menu

When the control switch is pushed, the "Shortcut Menu" screen appears on the vehicle information display. Select the menu by rotating the scroll dial ① and push it.

The following items are available if the vehicle is equipped with them:

- Change Meter View
Allows user to change the meter screen view. For additional information, refer to "Changing the meter screen view" on page 155.
- Personal Display
Allows user to change the "Personal Display" settings. For additional information, refer to "Personal Display" on page 175.

Startup display

N07402200054

When the push-button power switch is placed in the ON position, the vehicle information display may display the following screens if the vehicle is equipped with them:

- Home
- Drive Computer
- Energy flow
- 4x4-i
- Compass or Navigation
- Audio
- ProPILOT Assist
- Driving Aids
- Tire Pressures
- Warning
- Settings

Warnings will only display if there are any present. For more information on warnings and indicators, see "Vehicle information display warnings and indicators" on page 187.

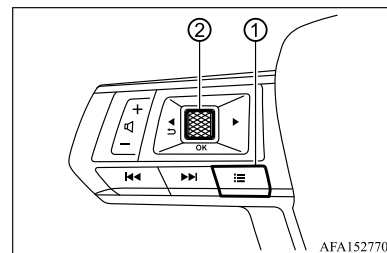
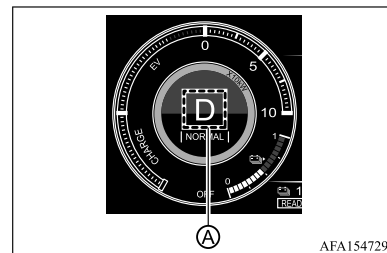
Vehicle information display

To control what items display in the vehicle information display, see "Settings" on page 176.

Personal Display

N07402300068

Example



Vehicle information display

The personal display ④ shows several information items. To select an information item:

1. Push the control switch ① on the left side of the steering wheel.
2. The "Shortcut Menu" screen appears on the vehicle information display area.
3. Select "Personal Display" by rotating the scroll dial ② and push the scroll dial to confirm.

The information item can be selected from below:

- Blank (nothing is displayed)
- Navigation (including compass)
- Time to Destination
- Fuel Economy
- Trip
- Gear position
- Average speed
- Brake Light

The personal display ④ will move when the meter screen view is changed. For additional informa-

tion, refer to "Changing the meter screen view" on page 155.

Settings

N07402400056

The setting mode allows you to change the information displayed in the vehicle information display. The following items are available if the vehicle is equipped with them:

- VDC Setting
- Driver Assistance
- Personal Display
- Head-Up Display
- ECO Mode Setting
- TPMS Setting
- Clock
- Vehicle Settings
- Maintenance
- Customize Display
- Unit/Language
- Key- Linked Settings
- Factory Reset

VDC Setting

To change the setting, use the scroll dial to select and push it.

● System

This allows you to turn the Vehicle Dynamic Control (VDC) system ON or OFF. By default the VDC will be turned ON. If the VDC is turned off, the VDC OFF indicator light will illuminate.



NOTE

The vehicle should be driven with the Vehicle Dynamic Control (VDC) system ON for most driving conditions. (See "Vehicle Dynamic Control (VDC) system" on page 496.)

Driver Assistance

To change the status, warnings or turn on or off any of the systems/warnings displayed in the "Driver Assistance" menu, use the scroll dial to select and change a

menu item. The displayed menu items vary depending on the vehicle's equipment.

- Steering Assist
- Lane Assist
- Blind Spot Assist
- Emergency Brake
- Speed Limit Sign
- Speed Adjust by Route
- Spd.Limit Assist
- Parking Assist
- Rear Cross Traffic Alert
- Driver Alertness
- Timer Alert
- Low Temp. Alert

■ Steering Assist

- Allows user to turn the Steering Assist ON/OFF.

(See "ProPILOT Assist" on page 424.)

■ Lane Assist

- Warning
Allows user to turn the Lane Departure Warning (LDW) system ON/OFF.

- Intervention
Allows user to turn the Intelligent Lane Intervention (I-LI) system ON/OFF.

(See "Lane Departure Warning (LDW)" on page 397 and "Intelligent Lane Intervention (I-LI)" on page 402.)

■ Blind Spot Assist

- Warning
Allows user to turn the Blind Spot Warning (BSW) system ON/OFF.
- Intervention
Allows user to turn the Intelligent Blind Spot Intervention (I-BSI) system ON/OFF.

(See "Blind Spot Warning (BSW) and Intelligent Blind Spot Intervention (I-BSI)" on page 407.)

■ Emergency Brake

- Front Sonar
Allows user to turn the Automatic Emergency Braking (AEB) with Pedestrian Detection system and Intelligent Forward Collision Warning (I-FCW) system ON/OFF.
- Rear Sonar
Allows user to turn the Rear Automatic Braking (RAB) system ON/OFF.

(See "Automatic Emergency Braking (AEB) with Pedestrian Detection system" on page 464, "Intelligent Forward Collision Warning (I-FCW)" on page 474 and "Rear Automatic Braking (RAB)" on page 483.)

■ Speed Limit Sign

This menu allows the customer to turn the Traffic Sign Recognition ON/OFF. (See "Traffic Sign Recognition (TSR)" on page 394.)

■ Speed Adjust by Route

Allows user to turn the Speed Adjust by Route (ProPILOT Assist with Navi-link) function ON/OFF. (Refer to "Speed Adjust by Route - a feature of ProPILOT Assist with Navi-link" section under "Intelligent Cruise Control (ICC)" on page 436.)

■ Spd. Limit Assist

Allows user to customize the Speed Limit Assist (ProPILOT Assist with Navi-link) options.

- OFF
- Manual
- Auto

(Refer to "Speed Limit Assist - a feature of ProPILOT Assist with Navi-link" section under "Intelligent Cruise Control (ICC)" on page 436.)

■ Parking Assist

To change the status or turn on or off any of the systems displayed in the "Parking Assist" menu, use the scroll dial to select and change a menu item:

- Moving Object
Push the scroll dial to turn the Moving Object Detection (MOD) ON/OFF.
- Auto Show Sonar
Allows user to turn the sonar system display ON/OFF.
- Front Sonar
Allows user to turn the front sensor ON/OFF.
- Rear Sonar
Allows user to turn the rear sensor ON/OFF.
- Sonar Distance
Allows user to select the sensor range (Long, Medium or Short).
- Volume
Allows user to select sensor volume (High, Medium or Low).

(See "Moving Object Detection (MOD)" on page 320 and "Sonar system" on page 503.)

■ Rear Cross Traffic Alert

Allows user to turn the Rear Cross Traffic Alert system ON/OFF. (See "Rear Cross Traffic Alert (RCTA)" on page 419.)

■ Driver Alertness

Allows the customer to turn the Intelligent Driver Alertness (I-DA) on or off. (See "Intelligent Driver Alertness (I-DA)" on page 481.)

■ Timer Alert

Allows user to adjust the Timer Alert or reset.

- Current Time/Set Time
- Reset

■ Low Temp. Alert

Allows user to turn the Low Temperature Alert function ON/OFF.

Personal Display

To change the display in the “Personal Display” menu, use the scroll dial to select and change a menu item:

- Blank
- Navigation
- Time to Destination
- Fuel Economy
 - Manual Reset1
 - Manual Reset2
 - Auto Refuel
- Trip
 - Manual Reset1
 - Manual Reset2
 - Auto Refuel
- Gear Position
- Average Speed
 - Manual Reset1
 - Manual Reset2
 - Auto Refuel
- Brake Light

See “Personal Display” on page 175.

Head-Up Display

To change the status or turn on or off any of the systems displayed in the “Head-Up Display” menu, use the scroll dial to select and change a menu item:

- Brightness
- Height
- Rotation
- Displayed information
 - Navigation
 - Driving Assist
 - Speed Limit Sign
 - Audio*
 - TEL/SMS
- Reset Setting

(See “Head Up Display (HUD)” on page 216.)

*: The display of audio is only available when operating with the steering-wheel-mounted control.

ECO Mode Setting

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

To change the status or turn on or off any of the systems displayed in the “ECO Mode Setting” menu, use the scroll dial to select and change a menu item:

- ECO Customize
 - Cruise Control
 - Air Conditioning
- ECO Info Settings
 - ECO Indicator
 - ECO Drive Report
- View History

To reset the View History:

 1. Select “View History” using the scroll dial and push it.
 2. Push the scroll dial.
 3. Select “Yes” by pushing the scroll dial.
- Tire Pres Eco advice

Push the scroll dial to turn the “Tire Pres Eco advice” ON/OFF.

TPMS setting

The settings under the “TPMS setting” menu is related to the Tire Pressure Monitoring System (TPMS). (See “Tire Pressure Monitoring System (TPMS)” on page 341, “Tire Pressure Monitoring System (TPMS)” on page 514, “Tire Pressure Monitoring System (TPMS)” on page 561.)

- Tire Pressure Unit

■ Tire Pressure Unit

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

- psi
- kPa
- bar
- kgf/cm²

Use the scroll dial to select and change the unit.

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

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



NOTE

If the increments displayed on the tire pressure gauge and the tire pressures on the vehicle information display differ, there may be a discrepancy in the displayed tire pressure values.

Clock

Allows user to adjust the clock settings and time within the vehicle information display. The available items vary depending on the vehicle's equipment.

- Clock Mode
- Clock Format
- Daylight Saving
- Time Zone
- Set Clock Manually

The clock may also be set in the center (audio) display. For additional information, refer to the separate NissanConnect® Owner's Manual.

Vehicle Settings

The vehicle settings allows the customer to change settings for the following settings if the vehicle is equipped with them. The displayed menu items vary depending on the vehicle's equipment.

- Chg.Connector lock
- Power Back Door
- Lighting
- Locking
- Wiper
- Driving Position
- Rear Door Alert
- Mirrors
- Battery cooling

The vehicle settings can be changed using the scroll dial button.

■ Chg. Connector lock

Allows the user to set the charge connector lock function.

- LOCK

- UNLOCK

(See "Charge connector lock" on page 61.)

■ Power Back Door

This allows the user to turn the power liftgate ON or OFF.

■ Lighting

The "Lighting" menu has the following options:

- Welcome Lights
The welcome lighting can be set to be ON or OFF. From the "Lighting" menu, select "Welcome Lights". Use the scroll dial to turn this feature ON or OFF.
- Auto Room Lamp
The interior light timer can be set to be ON or OFF. From the "Lighting" menu, select "Auto Room Lamp". Use the scroll dial to turn this feature ON or OFF.

Vehicle information display

- Accent Lighting
The brightness of the Accent Lighting can be adjusted. From the "Lighting" menu, select "Accent Lighting". Use the scroll dial to select the brightness.

■ Locking

There are the following options in the "Locking" menu:

- Ext. Door Switch
When this item is turned on, the request switches on the doors and the liftgate are activated. From the "Locking" menu, select "Ext. Door Switch". Use the scroll dial to activate or deactivate this function.
- Selective Unlock

Vehicle information display

When this item is turned on, and the request switch is pushed, only the corresponding door or the liftgate is unlocked. All the doors can be unlocked if the door handle request switch is pushed again within 2 seconds. When this item is turned to off, all the doors will be unlocked when the door handle request switch is pushed once. From the "Locking" menu, select "Selective Unlock". Use the scroll dial to activate or deactivate this function.

- **Auto Door Unlock**

The "Auto Door Unlock" feature allows the customer to customize the auto door unlock options.

- Shift to P
- Power OFF
- OFF

- **Horn beeps on lock**

When the horn beeps on lock is on, the horn will chirp and the hazard indicators will flash when locking the vehicle with the Intelligent Key.

- **Auto Door Lock**

The "Auto Door Lock" feature allows the customer to customize the auto door lock options.

- Vehicle Speed
- Shift out of Park
- OFF

■ Wiper

There are the following options in the "Wiper" menu:

- **Speed Dependent**

The "Speed Sensing Wiper" feature can be activated or deactivated, when the windshield wiper operates intermittently. From the "Wiper" menu, select "Speed Dependent". Use the scroll dial to turn this feature ON or OFF.

- **Rain Sonar**

The "Rain Sonar" feature (front rain-sensing wiper) can be activated or deactivated. When "Rain Sonar" feature (front rain-sensing wiper) is set to deactivate, the windshield wiper will operate intermittently. From the "Wiper" menu, select "Rain Sonar". Use the scroll dial to turn this feature ON or OFF.

- **Reverse Link**

The "Reverse Link" wiper feature can be set to be ON or OFF. From the "Wiper" menu, select "Reverse Link". Use the scroll dial to turn this feature ON or OFF.

For additional information, see "Wiper and washer switch" on page 221.)

■ Driving Position

Displays the available driving position options.

- **Exit Seat Slide (Driver)**

When this item is turned on, this feature will move the driver's seat backward for an easy exit when the push-button power switch is turned off and the driver's door is opened. After getting into the vehicle and placing the push-button power switch in the ON position, the driver's seat will move to the previous set position. (See "Memory seat" on page 299.)

■ Rear Door Alert

The "Rear Door Alert" feature allows user to customize the Rear Door Alert options. Use the scroll dial to change the mode.

- **Horn & Alert**

When selected, the alert is displayed and the horn sounds.

- **Alert Only**

When selected, only the alert is displayed.

- **OFF**

When selected, no alert or horn will be active.

(See "Rear Door Alert" on page 235.)

■ Mirrors

The Mirror Fold feature allows the user to customize the outside mirror's auto-folding/returning feature.

- **Auto Fold Off**

Turns the outside mirror auto-folding/returning feature off.

- **Unfold at Power on**

Turns the outside mirror auto-folding/returning feature on. The outside mirror is set to open when the push-button power switch is turned on.

Vehicle information display

- **Unfold at Unlock**

Turns the outside mirror auto-folding/returning feature on. When unlocked with the Intelligent Key or the door handle request switch, the outside mirror is set to open. The outside mirror also opens when the push-button power switch is turned on.

■ Battery cooling

Allows user to turn ON or OFF the Li-ion battery cooler function.

Maintenance

The maintenance mode allows you to set alerts for the reminding of maintenance intervals. The displayed menu items vary depending on the vehicle's equipment. To change an item: Select "Maintenance" using the scroll dial and push it.

- Service
- Tire
- Other

■ Service

This indicator appears when user set distance comes for changing the engine oil and filter. You can set or reset the distance for checking or replacing these items.

■ Tire

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

WARNING

The tire replacement indicator is not a substitute for regular tire checks, including tire pressure checks. See "Replacing tires and wheels" on page 568. Many factors including tire inflation, alignment, driving habits and road conditions affect tire wear and when tires should be replaced. Setting the tire replacement indicator for a certain driving distance does not mean your tires will last that long. Use the tire replacement indicator as a guide only and always perform regular tire checks. Failure to perform regular tire checks, including tire pressure checks could result in tire failure. Serious vehicle damage could occur and may lead to a collision, which could result in serious personal injury or death.

■ Other

This indicator appears when the customer set distance comes for checking or replacing maintenance items other than the

engine oil, oil filter and tires. Other maintenance items can include such things as air filter or tire rotation. You can set or reset the distance for checking or replacing the items.

Customize Display

The display settings allows you to choose from the various meter selections. The displayed menu items vary depending on the vehicle's equipment.

The display settings can be changed using the scroll dial.

■ Main Menu Selection

Displays available screens that can be shown in the vehicle information display.

The available items vary depending on the vehicle's equipment.

■ Route Guidance

This menu allows user to turn the Navigation Settings ON or OFF.

■ Cruise Screen

The "Cruise Screen" allows you to turn the cruise screen transition on or off.

■ Welcome Effect

The "Welcome Effect" displays the available welcome effect settings.

- Animation

■ Operation Guidance

The "Operation Guidance" displays the available light and wiper guidance settings. The available items vary depending on the vehicle's equipment.

- Lights
- Wiper
- Seat Memory
- Cruise Control

Unit/Language

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

- Mileage/Fuel/Energy
- Tire Pressure
- Temperature
- Language

Use the scroll dial to select and change the units of the vehicle information display.

■ Mileage/Fuel/Energy

The unit for the mileage that displays in the vehicle information display can be changed. Use the scroll dial to select and change the unit.

■ Tire Pressure

The unit for tire pressures that displays in the vehicle information display can be changed. (See "TPMS setting" on page 180.)

■ Temperature

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

- °F
- °C

Use the scroll dial to toggle choices.

■ Language

The language of the vehicle information display can be changed. Use the scroll dial to select and change the language of the vehicle information display.

Key-Linked Settings

The Key-Linked Settings can be turned ON/OFF using the scroll dial. It will display the key synchronized and in use for this vehicle.

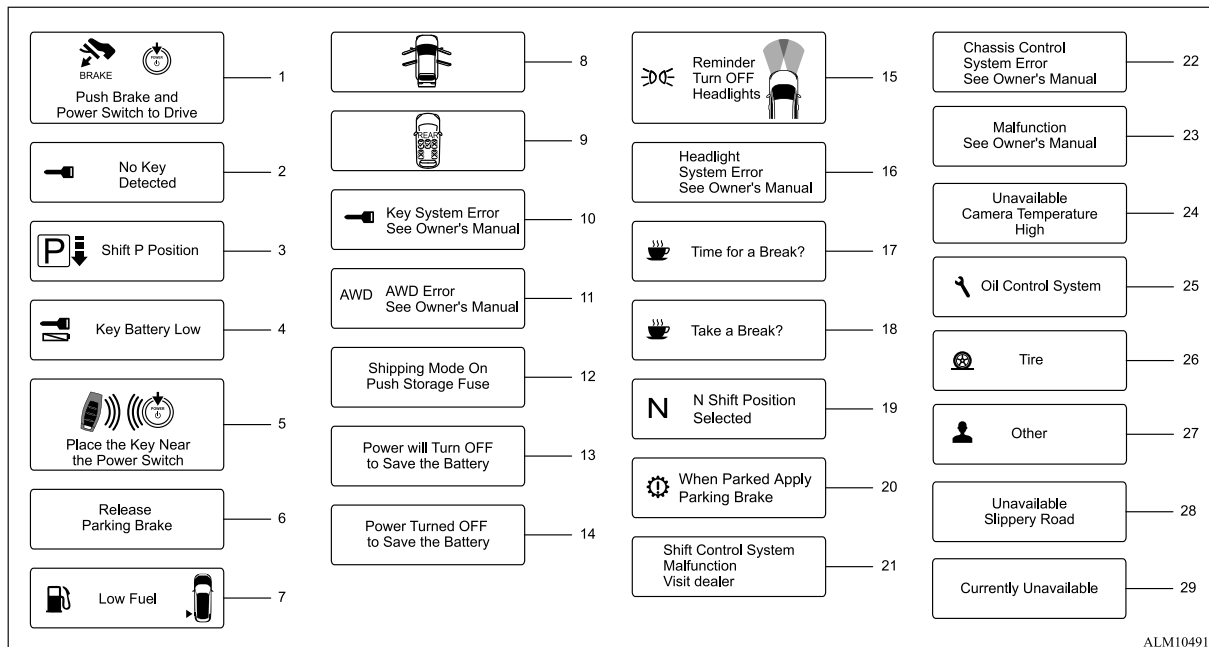
Factory Reset

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

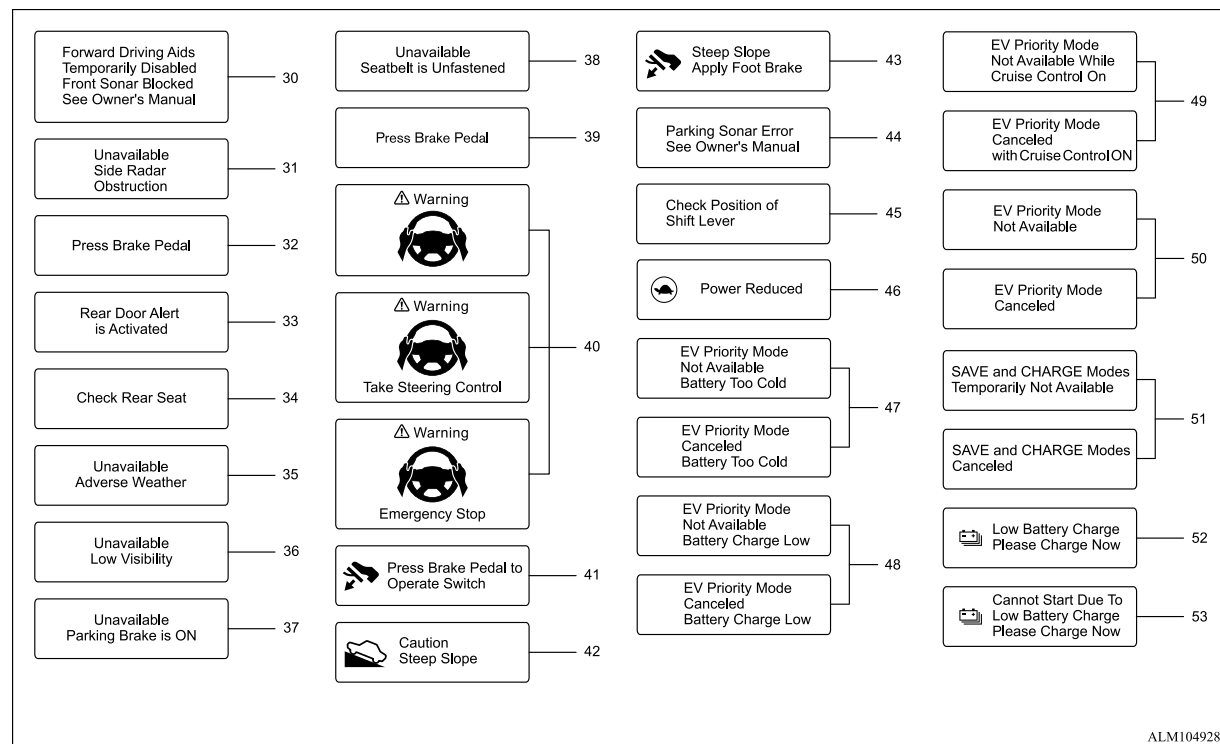
1. Select "Factory Reset" using the scroll dial and push it.
2. Select "YES" and push the scroll dial to return all settings back to default.

Vehicle information display warnings and indicators

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ALM104928

 PHEV System OFF Service Required — 54	 Charging Stopped Charger Error Detected — 63	 Close Fuel Lid & Cap — 72	 High Coolant Temp Stop Vehicle See Owner's Manual — 81
 PHEV System Fault Unable to Restart After Power OFF — 55	 Charging Stopped Vehicle Error Detected — 64	 Refuel 20L (5.3GAL) or More at One Time to Refresh Fuel — 73	 Battery Temp is Low May Not Restart Vehicle Plug-in Normal Charger — 82
 PHEV System Fault Power Reduced Service Required — 56	 Cannot Charge Please Shift to P Turn Power Switch OFF — 65	 Consuming Old Fuel, Engine Stops After Refueling 20L (5.3GAL) or More — 74	 Battery Temp is Low Stop Safely See Owner's Manual — 83
 PHEV System Off Stop Safely — 57	 Charging Stopped — 66	 Battery Lv Can Be Reduced By High Power Usage Even while Charging — 75	 Battery Temp Too Low Cannot Start Vehicle Plug-in Normal Charger and Wait for Temp to Rise — 84
 PHEV System Fault Apply Parking Brake — 58	 Charging Complete — 67	 A/C and Heater are Not Available Battery Charge Low — 76	 Power Reduced Battery Temp is Low/High — 85
 PHEV System Fault Power Reduced Stop Safely — 59	 Vehicle Fully Charged Ext Pwr Supply still Avail for Electrical Equipment — 68	 A/C and Heater are Available — 77	 Battery Heating Up — 86
 PHEV System Fault Service Required — 60	 Preparing for Refueling Please Wait — 69	 Heater Performance is Reduced — 78	 Battery Cooling — 87
 Cannot start Charging plug connected — 61	 Ready to Refuel — 70	 To Warm Up Cabin More, Turn Off EV Mode — 79	 Press Brake Pedal to Prevent Rolling — 88
 Charge Lid is Open — 62	 Refueling System Requires Service See Owner's Manual — 71	 e-Step system Unavailable To slow press brake pedal — 80	

ALM104931

 NOTE

The displayed messages are varied depending on the vehicle's specification and equipment.

1. Plug-in Hybrid system start operation indicator

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

This indicator means that the Plug-in Hybrid system will start by pushing the push-button power switch with the brake pedal depressed. You can start the Plug-in Hybrid system directly in any position of the push-button power switch.

2. No Key Detected warning

This warning appears when the door is closed with the Intelligent Key left outside the vehicle and the push-button power switch in

the ON position. Make sure that the Intelligent Key is inside the vehicle.

See "Intelligent Key system" on page 266 for more details.

3. Shift to Park warning

This warning appears when the door is opened while the shift lever is in positions other than the P (Park) position.

If this warning appears, push the electrical parking switch to shift to the P (Park) position.

An inside warning chime will also sound. (See "Intelligent Key system" on page 266.)

4. Key Battery Low warning

This warning 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" on page 554.

5. Plug-in Hybrid system start display when the Intelligent Key is not functioning

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

If this indicator appears, touch the push-button power switch with the Intelligent Key while depressing the brake pedal. (See "Intelligent Key battery discharge" on page 354.)

6. Release Parking Brake warning

This warning appears when the accelerator pedal is depressed when the electric parking brake automatic release function cannot be used. Release the electric parking brake manually.

7. Low Fuel warning

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

8. Door/liftgate open warning

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

9. Rear seat belt warning

The rear seat belt warning will be shown in the vehicle information display for approximately 75 seconds when the push-button power switch is switched ON

while any rear seat belt is unfastened. The driver can dismiss the display by pushing the scroll dial on the left side of the steering wheel.

It will also display if any rear seat belt changes from fastened to unfastened. The display will remain until the number of rear fastened seat belts matches the maximum number seen during the journey or until dismissed by the driver pushing the scroll dial on the left side of the steering wheel.

The journey will reset when either rear door is opened while the vehicle is stationary.

If the vehicle speed exceeds 9 MPH (15 km/h) while the number of rear fastened seat belts remains less than the maximum number seen during the journey the rear seat belt warning will reappear.

It is not possible to dismiss the display while the seat belt reminder chime is audible.

Vehicle information display

Red Seat with "X" symbol: The corresponding seat is unfastened.

Green Seat with tick symbol: The corresponding seat belt is fastened.

NOTE

The rear seat belt warning will be shown even if no one is sitting on the rear seats.

10. Key System Error See Owner's Manual warning

This warning appears if there is a malfunction in the Intelligent Key. If this warning appears while the Plug-in Hybrid system is stopped, the Plug-in Hybrid system cannot be started. If this warning appears while the Plug-in Hybrid system is running, the vehicle can be driven. However, it is recommended that you visit a Nissan Electric Vehicle certified dealer for repair as soon as possible.

11. AWD Error See Owner's Manual warning

This warning appears when the AWD system is not functioning properly while the Plug-in Hybrid system is operating. Reduce vehicle speed and have the system checked. It is recommended that you visit a Nissan Electric Vehicle certified dealer for this service. See "Intelligent 4x4" on page 489.

12. Shipping Mode On Push Storage Fuse warning

This warning may appear if the extended storage switch is not pushed in (switched on). When this warning appears, push in (switch on) the extended storage switch to turn off the warning. For more information, see "Extended storage switch" on page 553.

13. Power will Turn OFF to Save the Battery warning

This warning appears after the push-button power switch is in the ON position for a certain period of time.

14. Power Turned OFF to Save the Battery warning

This warning appears after the push-button power switch is automatically turned OFF to save the battery.

15. Reminder Turn OFF Headlights warning

This warning appears when the driver side door is opened with the headlight switch is left ON and the push-button power switch is placed in the OFF or LOCK position. Place the headlight switch in AUTO or OFF (if so equipped) position. For addi-

tional information, see "Headlight and turn signal switch" on page 227.

16. Headlight System Error See Owner's Manual warning

This warning appears if the LED headlights are malfunctioning. Have the system checked. It is recommended that you visit a Nissan Electric Vehicle certified dealer for this service.

17. Time for a Break? indicator

This indicator appears when the set "Time for a Break?" indicator activates. You can set the time for up to 6 hours.

18. Take a Break? indicator

This indicator appears when the Intelligent Driver Alertness (I-DA) system detects driver fatigue or that driver attention is decreasing. (See “Intelligent Driver Alertness (I-DA)” on page 481.)

19. N position display

This display indicates that the accelerator pedal is depressed while the shift lever is in the N (Neutral) position.

When starting vehicle movement, make sure that the shift lever position is D (Drive), B (Regenerative brake) or R (Reverse) before depressing the accelerator pedal. (See “Shift lever operation” on page 358.)

20. Electronic shift warning (A)

This warning is displayed when a malfunction occurs in the electronic control shift. Have your vehicle inspected immediately. It is recommended you visit a Nissan Electric Vehicle certified dealer.

When parking, be sure to apply the electric parking brake. If you do not apply the electric parking brake, you may not be able to turn off the push-button power switch.

If you cannot turn off the push-button power switch, perform the following operations.

1. Stop and apply the electric parking brake.
2. While depressing the brake pedal, press the push-button power switch to switch the power mode to ON.
3. Select the P position by pressing the electrical parking switch on the shift lever (see “Shift lever operation” on page 358).

4. Press the push-button power switch to turn off.

21. Electronic shift warning (B)

This warning is displayed when a malfunction occurs in the electronic control shift. Have your vehicle inspected immediately. It is recommended you visit a Nissan Electric Vehicle certified dealer.

Since the shift position may not switch immediately, hold the shift lever at the desired shift position, check that the shift position has switched, and then release it.

When parking, apply the electric parking brake, press the electric parking switch on the shift lever, and make sure the shift lever position switches to P (Parking).

22. Chassis Control System Error See Owner's Manual warning

This warning appears if the chassis control module detects an error in the chassis control system. Have the system checked. It is recommended that you visit a Nissan Electric Vehicle certified dealer for this service.

23. Malfunction See Owner's Manual warning

This warning appears when the following systems malfunction if the vehicle is equipped with them.

- Lane Departure Warning (LDW)
- Intelligent Lane Intervention (I-LI)
- Intelligent Blind Spot Intervention (I-BSI)
- Blind Spot Warning (BSW)
- Rear Cross Traffic Alert (RCTA)
- Traffic Sign Recognition (TSR)

- Intelligent Cruise Control (ICC)
- ProPILOT Assist
- Automatic Emergency Braking (AEB) with Pedestrian Detection system
- Intelligent Forward Collision Warning (I-FCW)
- Intelligent Driver Alertness (I-DA)
- Rear Automatic Braking (RAB)

For more details, see "Lane Departure Warning (LDW)" on page 397, "Intelligent Lane Intervention (I-LI)" on page 402, "Blind Spot Warning (BSW) and Intelligent Blind Spot Intervention (I-BSI)" on page 407, "Rear Cross Traffic Alert (RCTA)" on page 419, "Traffic Sign Recognition (TSR)" on page 394, "Intelligent Cruise Control (ICC)" on page 436, "ProPILOT Assist" on page 424, "Automatic Emergency Braking (AEB) with Pedestrian Detection system" on page 464, "Intelligent Forward Collision Warning (I-FCW)" on page 474, "Intelligent Driver Alertness (I-DA)" on page 481 or "Rear

Automatic Braking (RAB)" on page 483.

24. Unavailable Camera Temperature High warning

This warning appears if the interior temperature of the vehicle has reached such a high temperature that the sensor for the Intelligent Blind Spot Intervention (I-BSI), the Lane Departure Warning (LDW), Intelligent Lane Intervention (I-LI) or Traffic Sign Recognition (TSR) system can no longer function reliably. Once the interior temperature has reached normal levels, the warning should disappear.

If the warning continues to display, have the system checked. It is recommended that you visit a Nissan Electric Vehicle certified dealer for this service.

For additional information, refer to "Blind Spot Warning (BSW) and Intelligent Blind Spot Intervention (I-BSI)" on page 407, "Lane

Departure Warning (LDW)" on page 397, "Intelligent Lane Intervention (I-LI)" on page 402 or "Traffic Sign Recognition (TSR)" on page 394.

25. Engine oil/oil filter replacement display

This is displayed when the set engine oil/oil filter replacement distance is reached.

The engine oil/oil filter replacement distance can be set and reset.

(For additional information about "Maintenance", refer to "Settings" on page 176.)

26. Tire replacement display

This is displayed when the set tire replacement distance is reached. The tire replacement distance can be set and reset.

(For additional information about "Maintenance", refer to "Settings" on page 176.)

27. Maintenance distance display

This is displayed when the inspection distance or replacement distance for maintenance items, other than engine oil/oil filters and tires, is reached.

For example, you can set the distance to rotate the tires. The inspection/replacement distance can be set or reset.

(For additional information about "Maintenance", refer to "Settings" on page 176.)

28. Unavailable Slippery Road warning

This message appears when Intelligent Lane Intervention (I-LI) system, Intelligent Cruise Control (ICC) system or Intelligent Blind Spot Intervention (I-BSI) system

Vehicle information display

becomes unavailable because the road is slippery. For additional information, refer to "Intelligent Lane Intervention (I-LI)" on page 402, "Intelligent Cruise Control (ICC)" on page 436 or "Blind Spot Warning (BSW) and Intelligent Blind Spot Intervention (I-BSI)" on page 407.

29. Currently Unavailable warning

This message appears when the Intelligent Blind Spot Intervention (I-BSI), the Intelligent Lane Intervention (I-LI) system or the Intelligent Cruise Control (ICC) system becomes unavailable because the VDC is turned off or the drive mode is in SNOW, MUD or GRAVEL mode. For additional information, refer to "Blind Spot Warning (BSW) and Intelligent Blind Spot Intervention (I-BSI)" on page 407, "Intelligent Lane Intervention (I-LI)" on page 402 or "Intelligent Cruise Control (ICC)" on page 436.

30. Forward Driving Aids Temporarily Disabled Front Sonar Blocked See Owner's Manual warning

If the sensor area of the front bumper is covered with dirt or obstructed, making it impossible to detect a vehicle ahead, Automatic Emergency Braking (AEB) with Pedestrian Detection system, Intelligent Forward Collision Warning (I-FCW), Intelligent Cruise Control (ICC) system or ProPILOT Assist system is automatically turned off. The warning message will appear in the vehicle information display. If the warning message appears, park the vehicle in a safe location and turn the Plug-in Hybrid system off.

Check to see if the sensor area of the front bumper is blocked. If the sensor area of the front bumper is blocked, remove the blocking material. Restart the Plug-in Hybrid system. If the warning message continues to appear,

have the Automatic Emergency Braking (AEB) with Pedestrian Detection system, Intelligent Forward Collision Warning (I-FCW), Intelligent Cruise Control (ICC) system or ProPILOT Assist system checked. It is recommended that you visit a Nissan Electric Vehicle certified dealer for this service.

For more details, see "Automatic Emergency Braking (AEB) with Pedestrian Detection system" on page 464, "Intelligent Forward Collision Warning (I-FCW)" on page 474, "Intelligent Cruise Control (ICC)" on page 436 or "ProPILOT Assist" on page 424.

31. Unavailable Side Radar Obstruction warning

This warning appears when the Blind Spot Warning (BSW), the Intelligent Blind Spot Intervention (I-BSI) or Rear Cross Traffic Alert (RCTA) system becomes unavailable because a radar blockage is detected. (See "Blind

Spot Warning (BSW) and Intelligent Blind Spot Intervention (I-BSI)" on page 407 or "Rear Cross Traffic Alert (RCTA)" on page 419.)

32. Press Brake Pedal warning

This indicator appears in the following situations:

- The driver tries to release the electric parking brake manually without depressing the brake pedal.
- The vehicle is stopped on a steep hill and there is a possibility of moving backward, even if the electric parking brake is applied.

33. Rear Door Alert is Activated

When the system is enabled, this message appears when the Rear Door Alert system is active and can remind the driver to check the back seat.

- Using the steering-wheel-mounted control, a driver can select “Dismiss Message” to clear the display for a period of time. If no selection is made, this message automatically turns off after a period of time.
- Using the steering-wheel-mounted control, a driver can select “Disable Alert” to disable the horn alert for the remainder of the current trip.

For additional information, see “Rear Door Alert” on page 235.

WARNING

Selecting “Dismiss Message” during a stop within a trip temporarily dismisses the message for that stop without turning the system off. Alerts can be provided for other stops during the trip. Selecting “Disable Alert” turns off the Rear Door Alert system for the remainder of a trip and no audible alert will be provided.

NOTE

This system is disabled until a driver enables it using the vehicle information display. For additional information about “Vehicle Settings”, refer to “Settings” on page 176.

34. Check Rear Seat

When the system is enabled, this message appears when the vehicle comes to a complete stop, the shift lever is moved from the D (Drive) position to P (Park) position, and the driver exits the vehicle. This message alerts the driver, after a period of time, to check for items in the rear seat after the audible alert has been provided.

NOTE

This system is disabled until a driver enables it using the vehicle information display. For additional information about “Vehicle Settings”, refer to “Settings” on page 176.

35. Unavailable Adverse Weather

This message may appear when the Steering Assist system is engaged.

Under the following conditions, the Steering Assist system is automatically canceled:

- When the wiper (HI) operates.
- When lane markers in the traveling lane cannot be correctly detected for a period of time due to such items as a snow rut, reflection of light on a rainy day or several unclear lane markers are present.

If you want to use the Steering Assist system again, cancel the ProPILOT Assist system and set it again when lane markers are clearly visible.

36. Unavailable Low Visibility

This message may appear when the Intelligent Cruise Control (ICC) system is engaged.

Under the following conditions, the ICC system is automatically canceled:

- The camera area of the windshield is fogged up or covered with dirt, water, drops, ice, snow, etc.
- Strong light, such as sunlight or high beams from oncoming vehicles, enter the front camera.

37. Unavailable Parking Brake is ON

This message may appear when the Intelligent Cruise Control (ICC) system (if so equipped) is engaged.

Under the following condition, the ICC system is automatically canceled:

- The electric parking brake is applied.

The above system cannot be used when the electric parking brake is activated.

38. Unavailable Seat Belt is Unfastened

This message may appear when the Intelligent Cruise Control (ICC) system is engaged.

Under the following condition, the ICC system is automatically canceled:

- When the driver's seat belt is not fastened.

The ICC system cannot be used when the driver's seat belt is not fastened.

39. Press Brake Pedal

This message may appear when the Intelligent Cruise Control (ICC) system is engaged.

It will be displayed under the following condition:

- While the vehicle is stopped by the ICC, the driver's door is opened but the electric parking brake was not activated.

Step on the brake immediately.

40. Hands on detection warning

This message may appear when the Steering Assist system is engaged.

It will be displayed under the following condition:

- When not holding the steering wheel or when there is no steering wheel operation.

Hold on the steering wheel immediately. When the steering operation is detected, the warning turns off.

For additional information, refer to "ProPILOT Assist" on page 424.

41. Press Brake Pedal to Operate Switch warning

This warning appears if the automatic brake hold switch is pushed without depressing the brake pedal while the automatic brake hold function is activated. Depress the brake pedal and push the switch to deactivate the automatic brake hold function. For more details, see "Automatic brake hold" on page 367.

42. Caution Steep Slope indicator

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

43. Steep Slope Apply Foot Brake warning

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

44. Parking Sonar Error See Owner's Manual warning

This warning illuminates when there is a malfunction with the sonar system. For additional information, refer to "Sonar system" on page 503.

45. Check Position of Shift Lever

This warning appears if the system cannot detect the shift position. Make sure the vehicle is

Vehicle information display

placed in a position properly. Have the system checked. It is recommended you contact a Nissan Electric Vehicle certified dealer for this service.

46. Power Reduced warning

This warning appears when the power limitation is activated. If this warning appears, vehicle speed will not increase due to the power limitation even if the accelerator pedal is depressed. Some Intelligent 4x4 functions are also restricted. Be careful when driving on sharp curves or slippery roads.

47. EV Priority Mode Not Available (canceled) Battery Too Cold warning

This warning appears if the EV priority mode is not available because the Li-ion battery is too cold.

Vehicle information display

Select the EV priority mode after the Plug-in Hybrid System has been warmed up.

See “EV mode selector switch” on page 370.

48. EV Priority Mode Not Available (canceled) Battery Charge Low warning

This warning appears if the EV priority mode is not available because the Li-ion battery charge level is low.

Select the EV priority mode after the Li-ion battery has been charged sufficiently.

See “EV mode selector switch” on page 370.

49. EV Priority Mode Not Available (canceled) While Cruise Control On warning

This warning appears when the EV priority mode is not available

because the Intelligent Cruise Control (ICC) is operating under the speed range of electric motor driving.

Select the EV priority mode when the vehicle speed is in the electric motor driving range.

See “EV mode selector switch” on page 370.

50. EV Priority Mode Not Available (canceled) warning

This warning appears when the EV priority mode is not available because the EV priority mode is limited to protect the Plug-in Hybrid System or outside temperature is too cold.

Select the EV priority mode after the warning message turns off.

See “EV mode selector switch” on page 370.

51. SAVE and CHARGE modes Temporarily Not Available (canceled) warning

This warning appears when the SAVE mode or CHARGE mode is not available because the engine coolant temperature is high, the remaining fuel quantity is low or the Li-ion battery temperature is low.

Select the EV priority mode after the warning message turns off.

See “EV mode selector switch” on page 370.

52. Low Battery Charge Please Charge Now warning

This warning appears when the Li-ion battery charge level is extremely low and there is a risk of the Plug-in Hybrid System may not be able to start.

It is necessary to charge the Li-ion battery.

See "Charging" on page 42.

53. Cannot Start Due To Low Battery Charge Please Charge Now warning

This warning appears when the Li-ion battery charge level is extremely low and the Plug-in Hybrid System can not be able to start.

It is necessary to charge the Li-ion battery.

See "Charging" on page 42.

54. PHEV System OFF Service Required warning

This warning appears when the Plug-in Hybrid System is stopped due to one or more failure is occurring in the system.

It is recommended you contact a Nissan Electric Vehicle certified dealer as soon as possible.

55. PHEV System Fault Unable to Restart After Power OFF warning

This warning appears when the Plug-in Hybrid System cannot be restarted due to one or more failure is occurring in the system.

It is recommended you contact a Nissan Electric Vehicle certified dealer as soon as possible.

56. PHEV System Fault Power Reduced Service Required warning

This warning appears when the power limitation is activated due to one or more failure is occurring in the Plug-in Hybrid System.

It is recommended you contact a Nissan Electric Vehicle certified dealer as soon as possible.

57. PHEV System Off Stop Safely warning

This warning appears when the Plug-in Hybrid System is stopped when driving due to one or more failure is occurring in the system. Immediately park the vehicle in a safe place and it is recommended you contact a Nissan Electric Vehicle certified dealer as soon as possible.

58. PHEV System Fault Apply Parking Brake warning

When the vehicle is stopped, this warning appears when the Plug-in Hybrid System stopped due to one or more failure is occurring in the system.

Immediately apply parking brake and it is recommended you contact a Nissan Electric Vehicle certified dealer as soon as possible.

59. PHEV System Fault Power Reduced Stop Safely warning

While driving, this warning appears when the Plug-in Hybrid System malfunctions and the power output is limited. Immediately park the vehicle in a safe place and it is recommended you contact a Nissan Electric Vehicle certified dealer as soon as possible.

60. PHEV System Fault Service Required warning

This warning appears when the Plug-in Hybrid System has an error but the PHEV system does not stop and the power output is not restricted significantly. It is recommended you contact a Nissan Electric Vehicle certified dealer as soon as possible.

61. Cannot start Charging plug connected warning

This warning appears when you are attempting to activate the Plug-in Hybrid System when the charge connector is connected to the charge port. Disconnect the charge connector from the charge port before activating the Plug-in Hybrid System.

62. Charge Lid is Open warning

This warning appears when the charge port lid is open. Close the charge port lid before driving.

63. Charging Stopped Charger Error Detected warning

This warning appears when charging was interrupted due to

a failure of the charger is detected.

Check the status of the charger and if necessary call the contact information provided on the charger.

64. Charging Stopped Vehicle Error Detected warning

This warning appears when charging was interrupted due to system failure or EVSE (Electric Vehicle Supply Equipment) failure. Immediately stop charging and it is recommended you contact a Nissan Electric Vehicle certified dealer as soon as possible.

65. Cannot Charge Please Shift to P Turn Power Switch OFF warning

This warning appears when charging cannot be started because the shift lever is not in the "P" (Park) position or the

push-button power switch is not OFF.

Start charging after the "P" (Park) position is selected and the push-button power switch is in OFF.

66. Charging Stopped warning

This warning appears under the following situation.

- Normal charging
 - Charging was interrupted due to poor charging cable connection, poor ground connection, power failure or leakage of electricity.

■ Action to take

- Normal charging
 - The ground wire of the outlet is broken or not connected. Check the grounding status of the outlet. Check the indicator on the control box. Refer to "Charging from rated AC 120 V outlet" on page 55.

- Connect the EVSE (Electric Vehicle Supply Equipment) correctly. (See "Normal charging (charging method with EVSE)" on page 64.)
- If charging is interrupted due to a power failure, charging will resume automatically when the power source is reset.
- Check if the ground leakage circuit breaker is activated.
- Check the indicators on the control box. Refer to "Normal charging cable" on page 45.

67. Charging Complete

This is displayed when the Li-ion battery charging is completed. (See "Charging" on page 42.)

68. Charging continues display

This is displayed when the charging has been completed to

Vehicle information display

a full charge but charging is continuing because the electrical components, such as the air conditioner, is operating.

69. Preparing for Refueling display

The display appears when preparation is being made to open the fuel filler door. Please wait until the preparation is complete.

70. Ready to Refuel display

The display appears when preparation to refuel has been completed and the fuel filler door opened. Please begin refueling.

71. Refueling System Requires Service warning

This warning appears when there is a fault in the refueling system.

Vehicle information display

It is recommended you contact a Nissan Electric Vehicle certified dealer as soon as possible.

72. Close Fuel Lid & Cap warning

This warning appears when the fuel filler door is opened. Check the fuel cap is closed and then close the fuel filler door.

73. Refuel 20L or More at One Time warning

This warning appears when you refill the fuel less than 5.3 gal (20 liters) at once if the vehicle is not refueled with more than 5.3 gal (20 liters) at least once every 3 months. Refuel more than 5.3 gal (20 liters) at least once every 3 months to refresh the fuel in the fuel tank.

74. Consuming Old Fuel warning

This warning appears when the vehicle is not refueled with more than 5.3 gal (20 liters) at least once every 3 months. The engine will automatically start for consuming the old fuel remaining in the fuel tank for preventing fuel deterioration.

Refuel more than 5.3 gal (20 liters) at least once every 3 months to refresh the fuel in the fuel tank.

75. High Power Usage can Drain Battery Even while Charging display

This may appear when the push-button power switch is turned on and the air conditioner is turned on while charging.

The electrical components can be used while charging, but the battery charge level may decrease even during charging, due to the power consumption of some

electrical components, such as air conditioner.

76. A/C and Heater are Not Available warning

This warning appears when the air conditioner and the heater are not available due to the Li-ion battery charge level is low.

To use the air conditioner and heater, charge the Li-ion battery sufficiently.

77. AC and Heater are Available display

After "A/C and Heater are Not Available Battery Charge Low" is displayed, this will appear if the Li-ion battery is fully charged and the air conditioner can be used again.

78. Heater Performance is Reduced display

This may appear when the push-button power switch is turned on and the air conditioner is turned on while charging. Since the engine cannot be started while charging, the heating capacity may be insufficient at low outside temperatures.

79. To Warm Up Cabin More, Turn Off EV Mode display

This appears when the EV priority mode is selected while using the heating of the air conditioner. Cancel the EV priority mode if a more powerful heating ability is needed.

80. e-Step system Unavailable To slow press brake pedal warning

This warning appears when the e-Step system is unavailable. Depress the brakes when decelerating or stopping.

81. High Coolant Temp Stop Vehicle warning

This warning appears when the engine coolant temperature is extremely high.

WARNING

If the high temperature warning appears when the push-button power switch is in the "ON" position, stop the vehicle safely immediately.

If the vehicle is overheated, continuing vehicle operation may seriously damage the engine. (See "If your vehicle overheats" on

page 524 for the immediate action required.)

82. Battery Temp is Low May Not Restart Vehicle warning

This warning appears when the Li-ion battery temperature is too low.

Connect the EVSE (Electric Vehicle Supply Equipment) (normal charging), wait for the outside temperature to rise and re-start the Plug-in Hybrid System after the outside temperature has risen.

83. Battery Temp is Low Stop Safely warning

When driving, this warning appears when the Li-ion battery temperature is extremely low.

Stop the vehicle in a safe location, wait for the outside temperature to rise and re-start the Plug-in

Vehicle information display

Hybrid System after the outside temperature has risen.

84. Battery Temp Too Low Cannot Start Vehicle warning

When the vehicle is stopped, this warning appears when the Li-ion battery temperature is extremely low and vehicle cannot start.

Connect the EVSE (Electric Vehicle Supply Equipment) (normal charging), wait for the outside temperature to rise and re-start the Plug-in Hybrid System after the outside temperature has risen.

85. Power Reduced Battery Temp is Low/High

This is displayed when the temperature of the Li-ion battery becomes extremely high.

At this time, the Li-ion battery temperature warning light (for additional information about “Li-

ion battery temperature warning light”, refer to “Warning/indicator lights (other)” on page 171) also lights up at the same time.

The safety device is activated to protect the Li-ion battery.

It is possibility that the Li-ion battery cooling system is malfunctioning. Stop at a safe location and it is recommended you contact a Nissan Electric Vehicle certified dealer.

86. Battery Heating Up

This is displayed when the Li-ion battery heating is operational during normal charging.

87. Battery Cooling

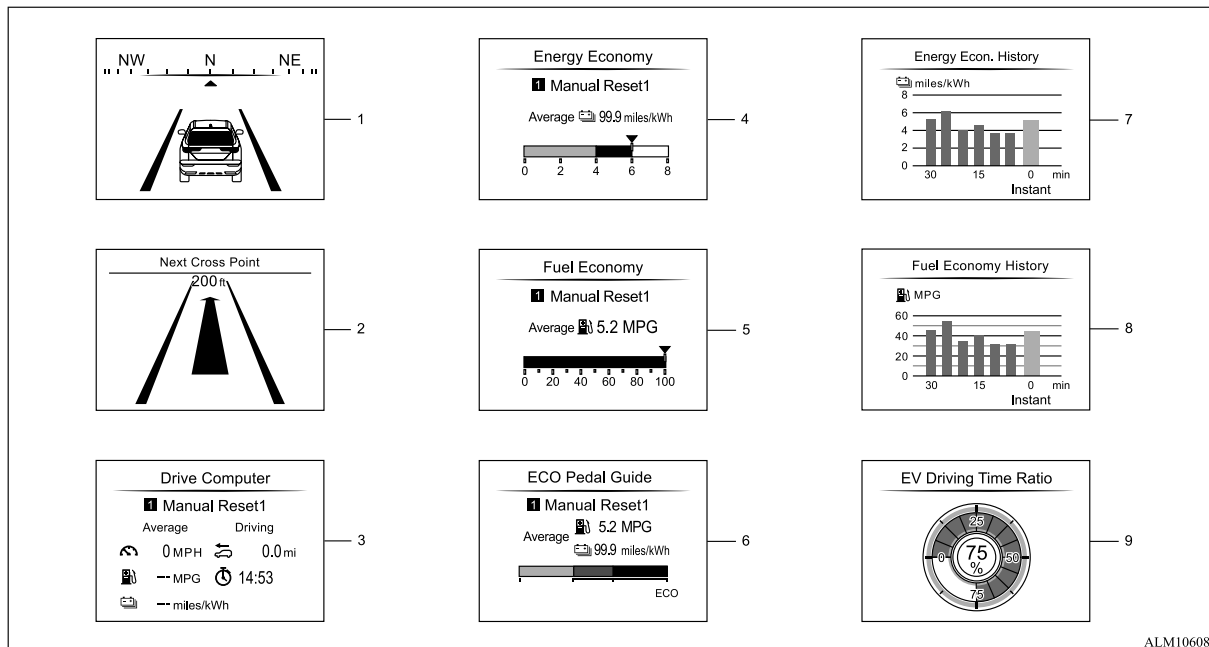
This is displayed when the Li-ion battery cooling is operational during normal charging operation.

88. Press Brake Pedal to Prevent Rolling

This warning appears if the vehicle moves while the automatic brake hold, or Intelligent Cruise Control (ICC) is activated.

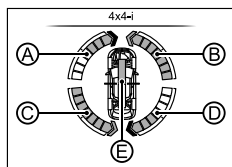
Trip computer

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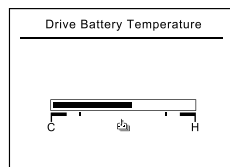


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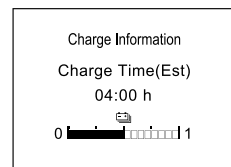
Vehicle information display



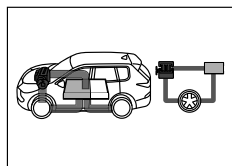
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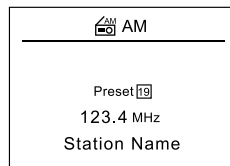
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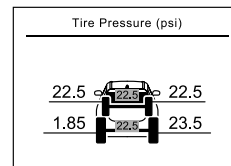
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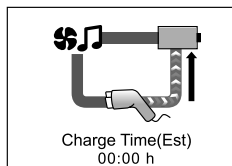
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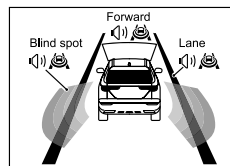
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17

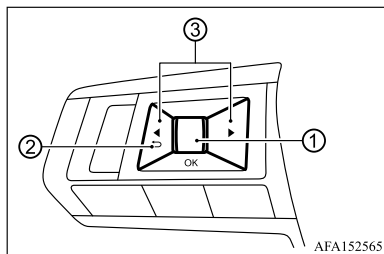


12



15

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Switches for the trip computer are located on the left side of the steering wheel.

- ① Scroll dial button - navigate through the items and change or select an item in vehicle information display
- ② ⬅- go back to the previous menu
- ③ ⬅➡- change from one display screen to the next (i.e. Home, Fuel economy, 4x4-i)

1. Compass

This display indicates the heading direction of the vehicle.

2. Navigation

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

3. Drive Computer

■ Average speed

The average speed shows the average vehicle speed since the last reset.

■ Average energy consumption

The average energy consumption shows the average energy consumption since the last reset.

■ Average fuel consumption

The average fuel consumption shows the average fuel consumption since the last reset.

■ Trip odometer

The trip odometer shows the total distance the vehicle has been driven since the last reset.

■ Elapsed time

The elapsed time shows the time since the last reset.

The Drive Computer mode have three modes of operation. You can push the scroll dial to switch between Manual reset1, Manual reset2 or Auto Refuel.

Manual reset1 or manual reset2 can be reset only manually by using the scroll dial. Auto Refuel will be reset automatically each time when refueling.

4-5. Energy and fuel economy display

These displays are shown when the ECO mode is not selected by the drive mode selector.

Vehicle information display

(See "Drive Mode Selector" on page 378.)

■ Current energy and fuel consumption

The energy and fuel economy display mode shows the current energy and fuel consumption.

■ Average energy and fuel consumption

The energy and fuel economy display mode shows the average energy and fuel consumption since the last reset.

The energy and fuel economy display mode have three modes of operation. You can push the scroll dial to switch between Manual reset1, Manual reset2 or Auto Refuel.

Manual reset1 or manual reset2 can be reset only manually by using the scroll dial.

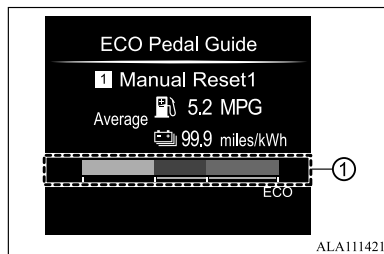
Auto Refuel will be reset automatically each time when refueling.

6. ECO Pedal Guide

This display is shown when the ECO mode is selected by the drive mode selector.

(See "Drive Mode Selector" on page 378.)

■ ECO indicator

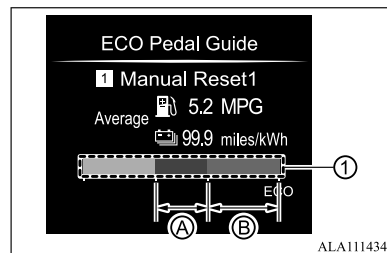


When driving with ECO Pedal Guide displayed on the vehicle information display, the ECO indicator will change based on the position of the accelerator pedal. The more ECO driving you do, the larger the illuminating range.

NOTE

- On the vehicle information display, select "Settings" - "ECO Mode Setting" - "ECO Info Settings" - "ECO Indicator" to turn the ECO indicator on/off.
- It will not illuminate when the shift lever is in the R (Reverse) position.

■ ECO Pedal Guide



- When driving with ECO Pedal Guide displayed on the vehicle information display, the depressing amount of the accelerator pedal is displayed in ①.

- Reducing the pressure applied to the accelerator pedal will assist in keeping within the ECO driving range ④ as indicated, leading to improved fuel efficiency. Further reduction in the pressure applied to the accelerator pedal within the range of ③ will lead to further improvement in fuel efficiency.



NOTE

It will not illuminate when the shift lever is in the R (Reverse) position.

■ Average fuel and energy consumption

The energy and fuel economy display mode shows the average fuel consumption since the last reset.

The energy and fuel economy display mode have three modes of operation. You can push the scroll dial to switch between Manual reset1, Manual reset2 or Auto Refuel.

Manual reset1 can be reset only manually by using the scroll dial. Manual reset2 will be reset manually by using the scroll dial, or automatically reset each time the push-button power switch is placed in the OFF position. Auto Refuel will be reset automatically each time when refueling.

7-8. Energy and fuel economy history display

■ Energy economy history

The average energy economy every 5 minutes is displayed as a bar graph for up to 30 minutes (in standard display area) or 1 hour (in expanded display area). The current (instant) energy economy is displayed at the right end.

■ Fuel economy history

The average fuel economy every 5 minutes is displayed as a bar

Vehicle information display

graph for up to 30 minutes (in standard display area) or 1 hour (in expanded display area). (See "Changing the meter screen view" on page 174.) The current (instant) fuel economy is displayed at the right end.

9. EV Driving Ratio display

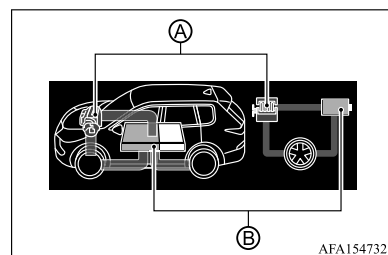
EV Driving Ratio display shows the ratios of the time traveled with electric power and the time traveled with both electric power and engine power.

The ratio of the time traveled with electric power is displayed with a pie graph (blue) and in a percentage.

10. Intelligent 4x4 operation display

When the Intelligent 4x4 operation display is selected, you can view the amount of the yaw moment control and the distribution of the traction control between front and rear wheels.

11. Energy Flow



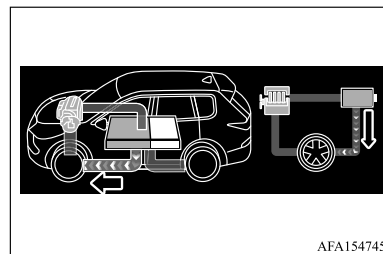
The Energy Flow related to the Plug-in Hybrid System is shown by the graphic.

- Ⓐ Engine
- Ⓑ Li-ion battery

Ⓐ displays the running or stopped state of the engine. When the engine is stopped, it turns gray. When the engine is running, it illuminates in orange.

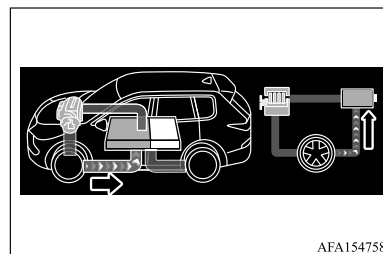
Ⓑ indicates the remaining amount of the Li-ion battery. The power output may be lower than usual when the charge level is low.

Example



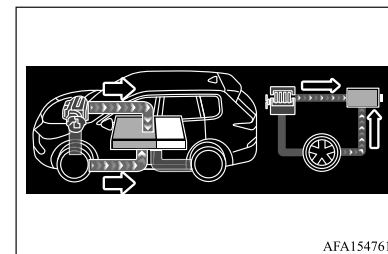
- Driving using the energy stored in the Li-ion battery

Example



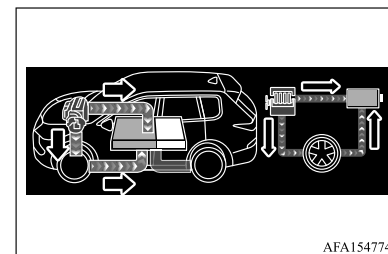
- Li-ion battery is charged using regenerative braking.

Example



- Charging with both engine and regenerative braking energy

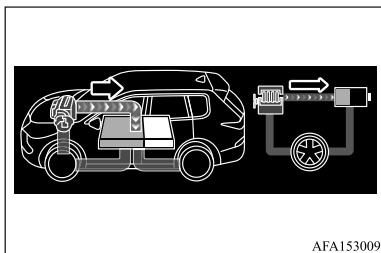
Example



- The energy generated by the engine is used for both driving and charging.

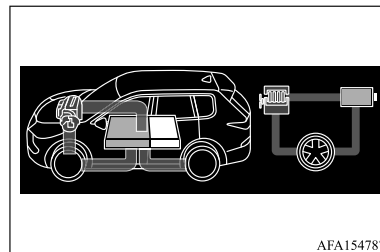
- Driving using both the energy generated by the engine and the energy stored in the Li-ion battery.
- The Li-ion battery is in charging with the energy generated by the engine.

Example



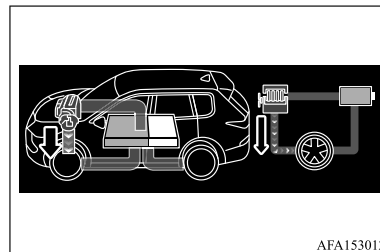
- The Li-ion battery is in charging by the energy generated by the engine.

Example



- No energy flow

Example

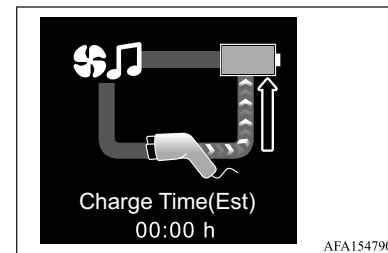


- Driving by the energy generated by the engine.

12. Energy Monitor

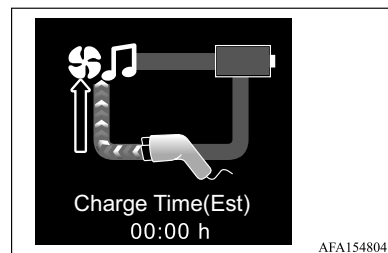
The energy monitor display shows the energy flow when the charging cable is connected.

Example



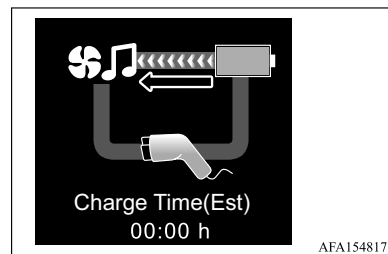
- The Li-ion battery is in charging.

Example



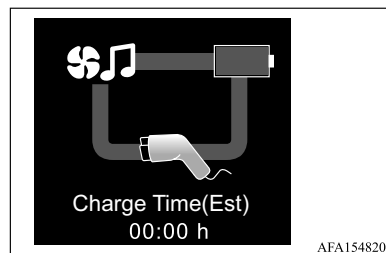
- Electric equipment such as air conditioner or audio system is consuming power.

Example



- Power is supplied to the vehicle equipment from the Li-ion battery (without charging).

Example



- No energy flow

13. Battery Temperature display

The Battery Temperature display shows current temperature of the Li-ion battery.

14. Audio

The audio mode shows the status of audio information.

15. Driver assistance

The driver assistance mode shows the operating condition for the following systems if the vehicle is equipped with them.

- Lane Departure Warning (LDW)
- Intelligent Lane Intervention (I-LI)
- Blind Spot Warning (BSW)
- Intelligent Blind Spot Intervention (I-BSI)
- Automatic Emergency Braking (AEB) with Pedestrian Detection system

For more details, see "Lane Departure Warning (LDW)" on page 397, "Intelligent Lane Intervention (I-LI)" on page 402, "Blind Spot Warning (BSW) and Intelligent Blind Spot Intervention (I-BSI)" on page 407 and "Automatic Emergency Braking (AEB) with Pedestrian Detection system" on page 464.

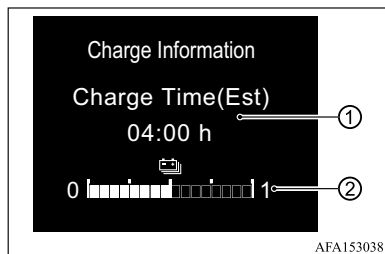
16. Charge information

The charge information is displayed when the push-button power switch is turned off.

① Charge Time(Est)

Shows the estimated time to complete the charging.

② Shows the current charging status of the Li-ion battery.



17. Tire Pressures

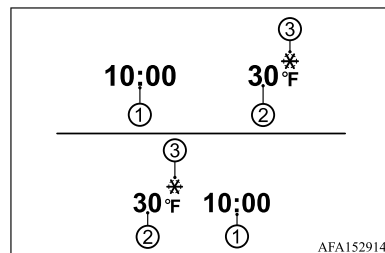
The tire pressure mode shows the pressure of all four tires while the vehicle is driven.

With the "Tire Pres ECO advice" function ON, when the tire pressure is getting low, "Check Tire Pressures for Best Fuel Economy" appears. (For additional information about "TPMS setting", refer to "Settings" on page 176.)

When the "Tire Pressure Low - Add Air" warning appears, the display can be switched to the tire pressure mode by pushing the scroll dial ① to reveal additional details on the displayed warning.

Clock and outside air temperature

N07402700062



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

Clock

For clock adjustment, refer to "Clock" section under "Settings" on page 176 or the separate NissanConnect® Owner's Manual.

Outside air temperature (°F or °C)

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

The outside air temperature mode includes a low temperature warning feature. If the outside air temperature is below 37°F (3°C), the warning ③ is displayed (if so equipped).

The outside temperature sensor is located in front of the radiator. The sensor may be affected by road or engine heat, wind direc-

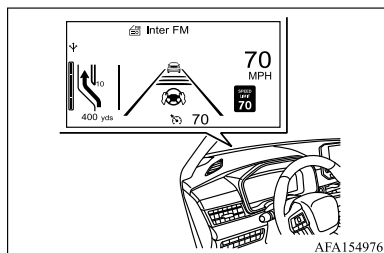
Head Up Display (HUD) (if so equipped)

tions and other driving conditions. The display may differ from the actual outside temperature or the temperature displayed on various signs or billboards.

Head Up Display (HUD) (if so equipped)

N07402800089

Example



⚠ WARNING

- Failure to properly adjust the brightness and position of the displayed image may interfere with the driver's ability to see through the windshield, which could cause an accident leading to severe injury or death.

⚠ WARNING

- Do not use the Head Up Display (HUD) for extended periods of time as that can cause you to not see other vehicles, pedestrians or objects, which could cause an accident leading to severe injury or death.
- Do not place any type of liquid on or spray water or spill beverages in the HUD Opening or near.

If the switches, wires, or electrical components become wet, they could malfunction or cause a vehicle fire.

If you accidentally spill a beverage, wipe up as much liquid as possible and immediately consult a Nissan Electric Vehicle certified dealer or a repair facility of your choice.

The Head Up Display (HUD) is displayed on the windshield in front of the driver.

The HUD can display one or more of the following features:

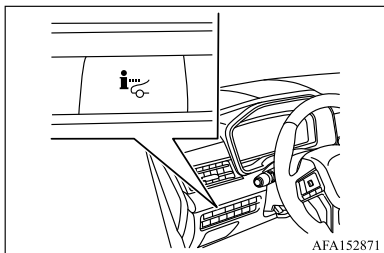
- Vehicle speed
- Navigation
- Driving Assist

- Speed Limit Sign
- Audio
- TEL/SMS

📖 NOTE

- Do not touch any internal parts of the projector. Doing so may cause malfunction of the equipment.
- To prevent scratches to the projector glass, do not place any sharp objects on or near the projector opening.
- Do not place any objects on the instrument panel which may obstruct the display of the HUD.
- If you wear polarized sunglasses, the display may be difficult to see.
- Depending on weather conditions (rain, snow, sunlight, etc.), the display may be difficult to see.

How to use the HUD



To turn the HUD system on, push the HUD switch located on the driver's left side instrument panel. To turn the HUD off, push the switch again.

If the HUD system is turned off, it will remain off even if the vehicle is restarted.

The following settings can be changed in the vehicle information display:

- Brightness
- Height
- Rotation
- Displayed information
- Reset Settings

NOTE

Emergency information may display even if the HUD system is turned off.

This product includes the following software.

(1) Panasonic Corporation or software developed for Panasonic Corporation

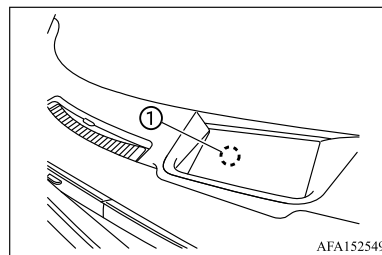
(2) Third-party software licensed to Panasonic Corporation

(3) Open source software
Regarding (3) Open source software, it includes open source software (OSS), including various software to which license information applies.

Refer to the license web site at: <http://car.panasonic.jp/oss/i02l1n39>

Display brightness

The brightness of the display may be controlled in the vehicle information display. The brightness will also be adjusted automatically according to the exterior ambient lighting brightness.



NOTE

- The HUD has a built-in sensor ① that controls the brightness of the displayed image. If you block the sensor with an object, the display will darken, making it difficult to see.
- Do not expose the HUD sensor to excessive light. This could cause failure or malfunction.

Driver assistance/Navigation/Traffic Sign/Audio/TEL/SMS linking

The HUD will display driver assistance and navigation information.

The driver assistance display will display warning situations for the following systems:

- Automatic Emergency Braking (AEB) with Pedestrian Detection system
- Intelligent Forward Collision Warning (I-FCW)
- Cruise control
- Intelligent Cruise Control (ICC)
- ProPILOT Assist
- Lane Departure Warning (LDW) system
- Intelligent Lane Intervention (I-LI)
- Steering Assist

The Navigation System linking display will display the following items:

- Intersection names
- Arrows indicating turning direction
- Distance to the next intersection
- Recommended lane indicator

For the navigation system, refer to the separate NissanConnect® Owner's Manual.

The Traffic Signs Recognition System linking display will display the following items :

- Speed limit sign

The Audio System linking display will display the following items:

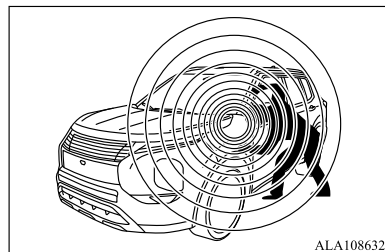
- Songs
- Radio stations

The TEL/SMS linking display will display the following items:

- Caller's name or phone number

Security systems

N07402900077



Your vehicle has two types of security systems, as follows:

- Vehicle security system
- NISSAN Vehicle Immobilizer System

Vehicle security system

N07406700060

CAUTION

Do not make any alterations or additions to the vehicle security system. Alterations or additions could cause failure of the vehicle security system.

The vehicle security system provides visual and audio alarm signals if someone opens the doors, hood and liftgate when the system is armed. It is not, however, a motion detection type system that activates when a vehicle is moved or when a vibration occurs.

The system helps deter vehicle theft but cannot prevent it, nor can it prevent the theft of interior or exterior vehicle components in all situations. Always secure your vehicle even if parking for a brief period. Never leave your keys in the vehicle, and always lock it when unattended. Be aware of your surroundings, and park in secure, well-lit areas whenever possible.

If malfunction occurs or have a question about the system, it is recommended you contact a Nissan Electric Vehicle certified dealer.

How to arm the vehicle security system

1. Close all windows. **The system can be armed even if the windows are open.**
2. Remove the keys from the vehicle.
3. Close all doors, hood and liftgate. Lock all doors. The doors can be locked with the Intelligent Key, door handle request switch or liftgate request switch.
4. Armed mode is activated after 30 seconds.

Even when the driver and/or passengers are in the vehicle, the system will activate with all the doors, hood and liftgate locked with the push-button power switch placed in the LOCK position. For releasing the system, see the following "How to stop an activated alarm" on page 220.

NOTE

The alarm system will not be armed if the doors and the liftgate have been locked using the mechanical key, the door inside lock knob (instead of the Intelligent Key, door handle request switch or liftgate request switch).

Vehicle security system activation

The vehicle security system will give the following alarm:

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

The alarm is activated by:

Security systems

- Opening any doors, the hood or liftgate without using the Intelligent Key, door handle request switch or liftgate request switch (even if the door is unlocked by releasing the door inside lock knob).
- The battery is disconnected.

NOTE

The alarm will resume if unlawful actions are taken again, even if the alarm has stopped.

How to stop an activated alarm

N07406800045

The alarm stops only by unlocking a door or the liftgate with pressing the UNLOCK  button on the Intelligent Key, or pushing the request switch on the driver's or passenger's door, or on the liftgate in range of the door handle or liftgate request switch.

The alarm also stops when the push-button power switch is placed in the ON position.

NISSAN Vehicle Immobilizer System

N07406900062

CAUTION

Do not make any alterations or additions to the immobilizer system. Alterations or additions could cause failure of the immobilizer.

The NISSAN Vehicle Immobilizer System will not allow the Plug-in Hybrid System to start without the use of the registered key. If the Plug-in Hybrid System does not start using the registered Intelligent Key, it may be due to interference caused by:

- Another Intelligent Key.
- Automated toll road device.
- Automated payment device.
- Other devices that transmit similar signals.

Start the Plug-in Hybrid System using the following procedure:

1. Remove any items that may be causing the interference away from the Intelligent Key.
2. Start the Plug-in Hybrid System again.

If this procedure allows the Plug-in Hybrid System to start, NISSAN recommends placing the registered Intelligent Key separate from other devices to avoid interference.

NOTE

- The key may not operate properly when it is near an object or facility that emits strong electromagnetic waves.
- NISSAN Vehicle Immobilizer System is not compatible with commercially available remote starting systems. Use of commercially available remote starting systems may result in vehicle starting problems and a loss of security protection.

Statement related to section 15 of FCC rules for NISSAN Vehicle

Immobilizer System (CONTROL UNIT, KOS)**FCC Notice:****For USA:****FCC ID : KR5TXPZ1****FCC ID : KR5HFM401**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

⚠ CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

For Canada:**IC ID : 7812D-TXPZ1****IC ID : 7812D-HFM401**

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Wiper and washer switch

N07403000088

⚠ WARNING

In freezing temperatures, the washer fluid may freeze on the windshield and obscure your vision which may lead to an accident. Warm windshield with the defroster before you wash the windshield.

⚠ CAUTION

- Do not operate the washer continuously for a long period of time or the pump may fail.
- Do not operate the washer if the reservoir tank is empty.
- Do not fill the window washer reservoir tank with washer fluid concentrates at full strength. Some methyl alcohol based washer fluid concentrates may permanently stain the grille if spilled while filling the window washer reservoir tank.

⚠ CAUTION

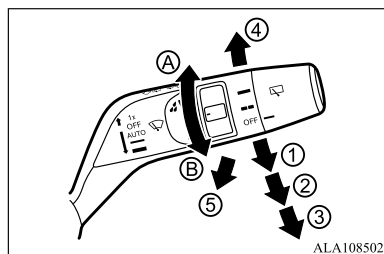
- Pre-mix washer fluid concentrates with water to the manufacturer's recommended levels before pouring the fluid into the window washer reservoir tank. Do not use the window washer reservoir tank to mix the washer fluid concentrate and water.

📖 NOTE

In freezing temperatures, make sure the wiper blade rubbers are not frozen to the windshield. If the wiper blade is frozen and stuck on the windshield, turn on the defroster switch of the air conditioner or use the front wiper deicer to warm the windshield.

If the windshield 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. In approximately 1 minute, turn the switch on again to operate the wiper.

Windshield wiper and washer operation



The windshield wiper and washer operates when the push-button power switch is in the ON position.

Push the lever down to operate the wiper at the following speed:

① In case of "Rain Sensor" feature is enabled:

Auto — The wipers will automatically operate depending on the degree of wetness on the windshield. Refer to "Front rain-sensing wiper" on page 223.

In case of "Rain Sensor" feature is disabled:

Intermittent — Intermittent operation can be adjusted by turning the knob toward Ⓐ (Faster) or Ⓑ (Slower). Also, the intermittent operation speed varies in accordance with the vehicle speed. (For example, when the vehicle speed is high, the intermittent operation speed will be faster.)

② Low — continuous low speed operation

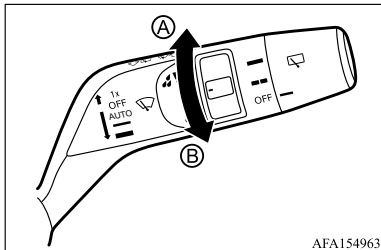
③ High — continuous high speed operation

Push the lever up ④ to have one sweep operation of the wiper.

Pull the lever toward you ⑤ to operate the washer. Then the wiper will also operate several times.

NOTE

- The interval time can be adjusted when the windshield wiper is in the state of intermittent operation and the “Rain Sonar” feature (front rain-sensing wiper) is deactivated according to the vehicle settings in the vehicle information display.
- The link between intermittent wiper time and vehicle speed can be disabled when the windshield wiper operates intermittently. For additional information about “Vehicle Settings”, refer to “Settings” on page 176.

Front rain-sensing wiper

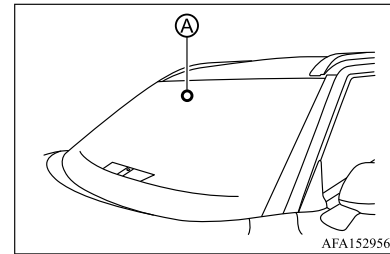
The front rain-sensing wiper can automatically turn on the wipers and adjust the wiper speed depending on the rainfall and the vehicle speed by using the rain sensor located on the upper part of the windshield.

To set the front rain-sensing wiper, push the lever down to the AUTO position. The wiper will sweep once while the Plug-in Hybrid system is operating.

The rain sensor sensitivity level can be adjusted by turning the knob upwards ① (High) or downwards ② (Low).

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

To turn the front rain-sensing wiper off, push up the lever to the OFF position, or pull down the lever to the LO or HI position.

**CAUTION**

- Do not touch the rain sensor ① and around it when the wiper switch is in the AUTO position and the Plug-in Hybrid system is operating. The wipers may operate unexpectedly and cause to an injury or may damage a wiper.
- Be sure to turn off the front rain-sensing wiper when you use a car wash.

Rear window wiper and washer switch

NOTE

- The front rain-sensing 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.
- Do not attach a sticker or label on the windshield. Otherwise the rain sensor may not detect the amount of the water properly and the wiper may not operate automatically.
- The front rain-sensing wipers may not operate if rain does not hit the rain sensor even if it is raining.
- When the windshield glass is coated with water repellent, the speed of the front rain-sensing wipers may be higher even though the amount of the rainfall is small.

NOTE

- The “Rain Sonar” feature (front rain-sensing wiper) can be switched to the intermittent operation according to the vehicle settings in the vehicle information display.
For additional information about “Vehicle Settings”, refer to “Settings” on page 176.
- When the “Rain Sonar” feature (front rain-sensing wiper) is activated and the lever is in the AUTO position, the rain sensor may have a malfunction in the following cases. It is recommended you contact a Nissan Electric Vehicle certified dealer.
 - When the front rain-sensing wiper operates at regular intervals despite the changing degree of rain
 - When the front rain-sensing wiper does not operate despite the rain
- If the replacement of the windshield is necessary, it is recommended to contact a Nissan Electric Vehicle certified dealer.

NOTE

- Using genuine wiper blades is recommended for proper operation of the front rain-sensing wiper. (See “Windshield wiper blades” on page 548 for wiper blade replacement.)

Rear window wiper and washer switch

N07403100089

WARNING

In freezing temperatures, the washer fluid may freeze on the rear window glass and obscure your vision. Warm the rear window with the defroster before you wash the rear window.

CAUTION

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

⚠ CAUTION

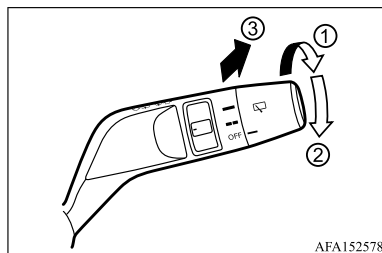
- Do not fill the window washer reservoir tank with washer fluid concentrates at full strength. Some methyl alcohol based washer fluid concentrates may permanently stain the grille if spilled while filling the window washer reservoir tank.
- Pre-mix washer fluid concentrates with water to the manufacturer's recommended levels before pouring the fluid into the window washer reservoir tank. Do not use the window washer reservoir tank to mix the washer fluid concentrate and water.

📖 NOTE

In freezing temperatures, make sure the wiper blade rubbers are not frozen to the rear window. If the wiper blade is frozen and stuck on the rear window, use the rear window defroster to warm the rear window.

📖 NOTE

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



The rear window wiper and washer operate when the push-button power switch is in the ON position.

Rotate the switch backward from the OFF position as illustrated to operate the wiper.

- ① Intermittent (INT) — intermittent operation (not adjustable)
- ② Low (ON) — continuous low speed operation

Push the switch forward ③ to operate the washer. Then the wiper will also operate several times.

Reverse Link feature:

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

📖 NOTE

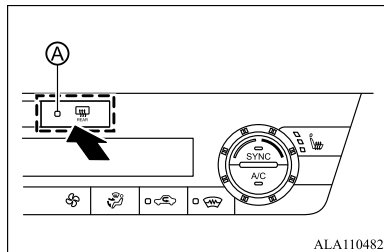
The Reverse Link feature may be disabled. For additional information about "Vehicle Settings", refer to "Settings" on page 176.

Rear window and outside mirror defroster switch

Rear window and outside mirror defroster switch

N0740320064

Type A



ALA110482

To defog/defrost the rear window glass and outside mirrors, start the Plug-in Hybrid system and push the switch on. The indicator light (A) will illuminate. Push the switch again to turn the defroster off. It will automatically turn off in approximately 20 minutes.

CAUTION

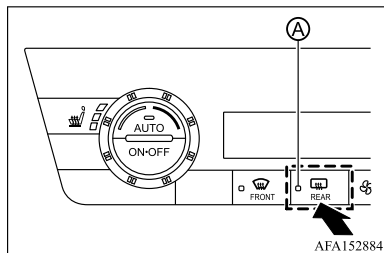
When cleaning the inner side of the rear window, be careful not to scratch or damage the rear window defroster.

The wiper deicer switch (defroster switch) operates when the Plug-in Hybrid system is operating.

The deicer is used to remove ice from the windshield when a wiper is frozen to the windshield.

When the switch is pushed, the indicator light (A) illuminates and the deicer will operate for up to 10 minutes depending on the outside temperature. After the preset time has passed, the deicer will turn off automatically. To turn off the deicer manually, push the deicer switch again, and the indicator light turns off.

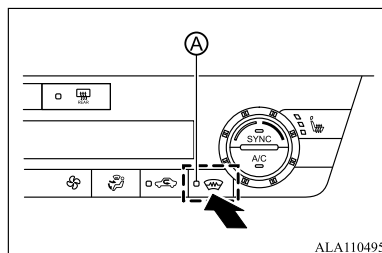
Type B



AFA152884

Wiper deicer switch

N0740330081



ALA110495

CAUTION

When cleaning the inner side of the window, be careful not to scratch or damage the electrical conductors on the surface of the window.

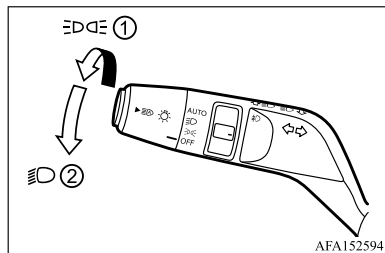
Headlight and turn signal switch

N07403400037

Headlight switch

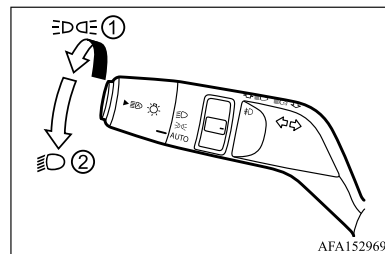
N07403500083

Type A



AFA152594

Type B



AFA152969

- ① Rotate the switch to the  position, and the front parking, tail, license plate, and instrument panel lights will come on.
- ② Rotate the switch to the  position, and the headlights will come on and all the other lights remain on.

To turn the lights off, use any of the following procedure.

- Turn the headlight switch to the OFF position (if so equipped).
- Put the operation mode of the push-button power switch in OFF.

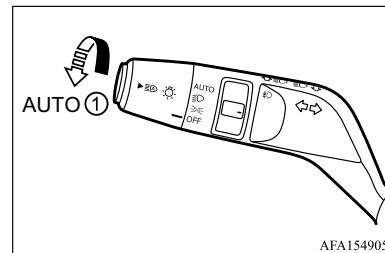
NOTE

To turn only the headlights off, use the following procedure.

1. Put the operation mode of the push-button power switch in OFF.
2. Turn the headlight switch in the AUTO position and apply the parking brake firmly while the vehicle is stationary.
3. Put the operation mode of the push-button power switch in ON.

Intelligent Auto Headlight system

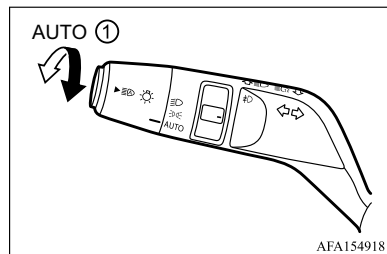
Type A



AFA154905

Headlight and turn signal switch

Type B



The Intelligent Auto Headlight system allows the headlights to be set so they turn on and off automatically.

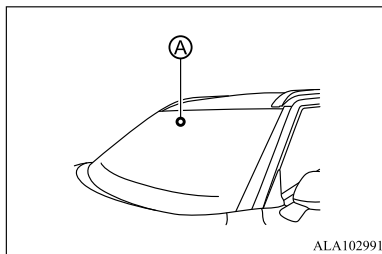
To set the Intelligent Auto Headlight system:

1. Make sure the headlight switch is in the AUTO position ①.
2. Start the Plug-in Hybrid system.
3. The Intelligent Auto Headlight system automatically turns the headlights on and off.

To turn the Intelligent Auto Headlight system off, turn the switch

to the OFF (if so equipped),  or  position.

The Intelligent Auto Headlight system can turn on the headlights automatically when it is dark and turn off the headlights when it is light.



Be sure not to put anything on top of the rain/light sensor (A) located above the inside mirror. The sensor controls the Auto Headlight; if it is covered, the sensor reacts as if it is dark and the headlights will illuminate.

If the replacement of the windshield or the repair on the windshield near the rain sensor is necessary, it is recommended to

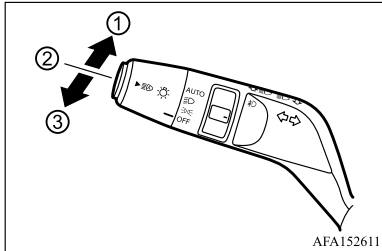
contact a Nissan Electric Vehicle certified dealer.

■ Headlights off delay

When the lever is pulled towards the rearmost position after the push-button power switch is switched off, the headlights will turn on and stay on for 30 seconds. The lever can be pulled 4 times for up to 2 minutes.

Headlight beam select

Example



- ① To select the high beam function, push the lever forward. The high beam lights come on and the  light illuminates.
- ② Push the lever again to select the low beam.
- ③ Pulling and releasing the lever flashes the headlight high beams on and off.

High beam assist

The high beam assist system will operate when the vehicle is

driven at speeds of approximately 34 MPH (55 km/h) and above. If an oncoming vehicle or leading vehicle appears in front of your vehicle when the headlight high beam is on, the headlight will be switched to the low beam automatically.

■ Precautions on high beam assist

⚠ WARNING

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

⚠ WARNING

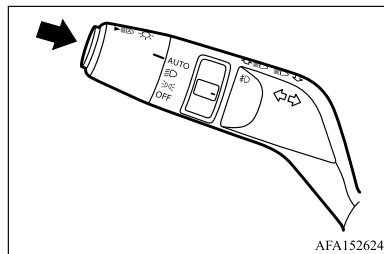
- When a light source similar to a headlight or tail light is in the vicinity of the vehicle.
- When the headlights of the oncoming vehicle or the leading vehicle are turned off, when the color of the light is affected due to foreign materials on the lights, or when the light beam is out of position.
- When there is a sudden, continuous change in brightness.
- When driving on a road that passes over rolling hills, or a road that has level differences.
- When driving on a road with many curves.
- When a sign or mirror-like surface is reflecting intense light towards the front of the vehicle.
- When the container, etc. being towed by a leading vehicle is reflecting intense light.
- When a headlight on your vehicle is damaged or dirty.
- When the vehicle is leaning at an angle due to a punctured tire, being towed, etc.

WARNING

- The timing of switching the low beam and high beam may change under the following situations.
- The brightness of the headlights of the oncoming vehicle or leading vehicle.
- The movement and direction of the oncoming vehicle and the leading vehicle.
- When only one light on the oncoming vehicle or the leading vehicle is illuminated.
- When the oncoming vehicle or the leading vehicle is a two-wheeled vehicle.
- Road conditions (incline, curve, the road surface, etc.).
- The number of passengers and the amount of cargo.

■ High beam assist operations

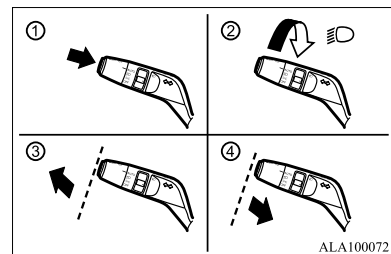
Example



To activate the high beam assist system, push the switch as illustrated with the AUTO position. The high beam assist indicator light in the meter will illuminate while the headlights are turned on.

If the high beam assist indicator light does not illuminate in the above condition, it may indicate that the system is not functioning properly. It is recommended you have the system checked by a Nissan Electric Vehicle certified dealer.

When the vehicle speed lowers to less than approximately 28 MPH (45 km/h), the headlight remains the low beam.

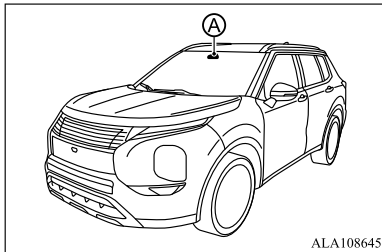


To turn off the high beam assist system, use any of the following methods.

- Under control by the high beam assist system:
 - Push the switch. ①
 - Rotate the switch to the  position. ②
 - Push the lever forward to select the high beam. ③
 - Pull the lever toward you to select the low beam. ④

- Not under control by the high beam assist system:
 - Push the switch. ①
 - Rotate the switch to the  position. ②
 - Push the lever forward to select the high beam. ③

■ Ambient image sensor maintenance



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

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

If the ambient image sensor is damaged due to an accident, it is recommended you contact a Nissan Electric Vehicle certified dealer.

Battery saver system

- When the headlight switch is in the  or  position while the push-button power switch is in the ON position, the lights will automatically turn off within a period of time after the push-button power switch has been placed in the OFF position.

- When the headlight switch remains in the  or  position after the lights automatically turn off, the lights will turn on when the push-button power switch is placed in the ON position.

⚠ CAUTION

- When you turn on the headlight switch again after the lights automatically turn off, the lights will not turn off automatically. Be sure to turn the light switch to AUTO or OFF (if so equipped) position when you leave the vehicle for extended periods of time, otherwise the battery will be discharged.
- Never leave the light switch on when the Plug-in Hybrid system is not operating for extended periods of time even if the headlights turn off automatically.

Daytime Running Light (DRL) system

The LED parking lights automatically illuminate at 100% intensity when the Plug-in Hybrid system is started. The LED Daytime Running Light (DRL) operate with the headlight switch in AUTO or OFF (if so equipped) position and will turn on during the daytime. When you turn the headlight switch to the  or  position, the Daytime Running Light (DRL) switches to the parking light.

Headlight cleaner

NO7403600042

The headlight cleaner operates when the headlight is on and the push-button power switch is in the ON position. The headlight cleaner operates when:

- the first windshield washer operation after the push-button power switch turns on.

- every tenth windshield washer operation after the push-button power switch turns on.
- the windshield washer switch is pulled and hold.

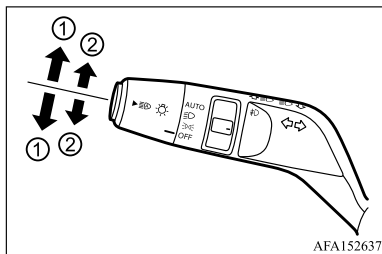
CAUTION

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

Turn signal switch

NO7403700085

Example



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

When moving the lever to ② slightly to change a lane, the turn signal light and indicator light in the instrument cluster will only flash while the lever is operated. Also, when you move the lever to ② slightly then release it, the turn signal light and indicator light in the instrument cluster will flash three times.

NOTE

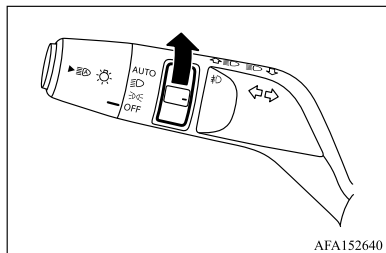
- Lane change signal can be switched off. For more information, it is recommended you consult a Nissan Electric Vehicle certified dealer.

NOTE

- If turn signal lights and turn signal/hazard indicator on the meter panel flashes unusually quickly, turn signal lights may have a malfunction. Have your vehicle inspected. It is recommended you visit a Nissan Electric Vehicle certified dealer.

Fog light switch

N07403800060

Example

To turn the fog lights on, turn the headlight switch to the  position, then turn the fog light switch to the  position.

To turn the fog lights on with the headlight switch in the AUTO

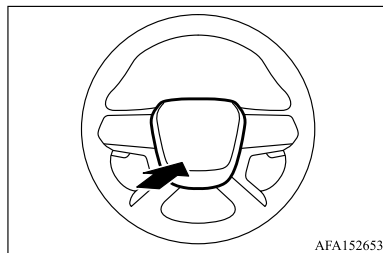
position, the headlights must be on, then turn the fog light switch to the  position.

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

The headlights must be on for the fog lights to operate.

Horn

N07403900058



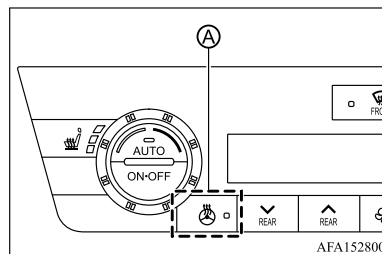
To sound the horn, push the center pad area () of the steering wheel.

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 steering wheel (if so equipped)

N07404000072



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

Heated seats

Push the heated steering wheel switch  to warm the steering wheel after the Plug-in Hybrid system starts. The indicator light on the switch will illuminate.

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

The heated steering wheel system is automatically turned off after 30 minutes.

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

NOTE

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

Heated seats

N07404100073

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 body parts that contact the seat. Use of the seat heater by such people could result in serious injury.

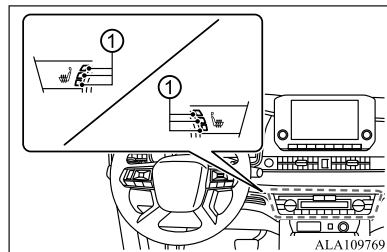
CAUTION

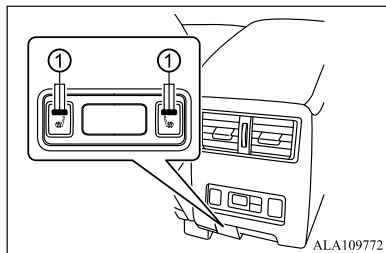
- Do not use the seat heater for extended periods or when no one is using the seat.
- Do not put anything on the seat which insulates heat, such as a blanket, cushion, seat cover, etc. Otherwise, the seat may become overheated.
- Do not place anything hard or heavy on the seat or pierce it with a pin 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.

CAUTION

- When cleaning the seat, never use gasoline, thinner, or any similar materials.
- If any malfunctions are found or the heated seat does not operate, turn the switch off and have the system checked. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service.

Front seats



2nd row seats (if so equipped)

The front and 2nd row (if so equipped) seats are warmed by built-in heaters. The switches are located on the instrument panel and the back of the center console box and can be operated independently of each other.

Operation with switch

1. Start the Plug-in Hybrid system.
2. Push the heated seat switch and select the desired heat range.
 - For high heat, push the switch once.

- For medium heat, push the switch twice.
 - For low heat, push the switch three times.
 - The indicator light ① on the switch will illuminate depending on the heat level when the heater is on.
3. To turn off the heater, push the heated seat switch until the indicator light turns off.

The heater is controlled by a control module, automatically adjusting the heat level to maintain comfort according to the selected heat range.

The indicator light will remain on as long as the switch is on. When the vehicle's interior is warmed, or before you leave the vehicle, be sure to turn off the seat heater.

Rear Door Alert

N07404200061

The Rear Door Alert system functions under certain conditions to indicate there may be an object or passenger in the rear seat(s).

Check the seat(s) before exiting the vehicle.

The Rear Door Alert system is initially disabled. The driver can enable the system using the vehicle information display. For additional information about "Vehicle Settings", refer to "Settings" on page 176.

When the system is enabled:

- The system is activated when a rear door is opened and closed within 10 minutes of the vehicle being driven. When the vehicle is started and the system is activated, a visual message appears in the vehicle information display. For additional information about "Rear Door Alert is Activated" on vehicle information display, refer to "Vehicle information display warnings and indicators" on page 187.

Rear Door Alert

- If a rear door is opened and closed but the vehicle is not driven within approximately 10 minutes, the system will not be activated. A rear door must be opened and closed and the vehicle is driven within 10 minutes for the system to activate.

When the Rear Door Alert system is activated and a driver exits the vehicle after arriving at a destination:

- When the driver puts the vehicle in the P (Park) position, a message appears in the vehicle information display for the driver to "Dismiss Message" or "Disable Alert" if desired.
- With the system enabled, when the driver exits the vehicle, an audible alert (horn sound) will occur unless a rear door is opened and closed within a short time to deactivate the alert.

- If the doors are locked before the alert is deactivated by opening a rear door, the horn will sound.
- If the system is activated but the liftgate is opened before opening a rear door, the horn will be delayed until after the liftgate is closed.
- If the audible horn alert occurs, a message will also appear in the vehicle information display that states, "Check Rear Seat". For additional information about "Check Rear Seat" on vehicle information display, refer to "Vehicle information display warnings and indicators" on page 187.

WARNING

- If the driver selects "Disable Alert", no audible alert will be provided regardless of rear door open/close status.

WARNING

- There may be times when there is an object or passenger in the rear seat(s) but the audible alert does not sound. For example, this may occur if rear seat passengers enter or exit the vehicle during a trip.
- The system does not directly detect objects or passengers in the rear seat(s). Instead, it can detect when a rear door is opened and closed, indicating that there may be something in the rear seat(s).

NOTE

There may be times when the horn sounds but there are no objects or passengers in the rear seat(s).

For additional information about "Rear Door Alert is Activated" on vehicle information display, refer to "Vehicle information display warnings and indicators" on page 187.

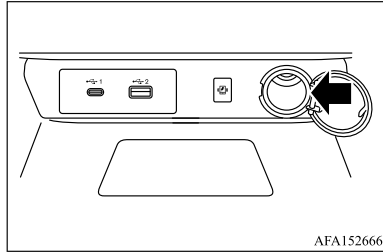
Power outlet

N07404300020

Power outlet

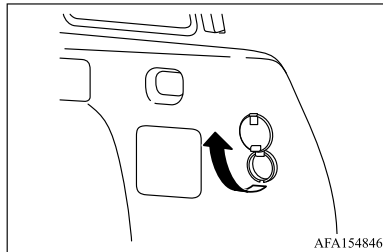
N07404400034

Instrument Panel



AFA152666

Cargo area (if so equipped)



AFA154846

The power outlet is located in the instrument panel and cargo area.

CAUTION

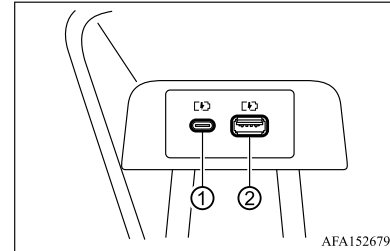
- The outlet and plug may be hot during or immediately after use.
- Do not use with accessories that exceed a 12 volt, 120W (10A) power draw. Do not use double adapters or more than one electrical accessory.
- Use power outlet with the Plug-in Hybrid system operating to avoid discharging the vehicle battery.
- Avoid using power outlet when the air conditioner, headlights or rear window defroster is 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, be sure the electrical accessory being used is turned OFF.

CAUTION

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

USB (Universal Serial Bus) charging connector

N07404500048



AFA152679

- ① Type-C port
- ② Type-A port

The USB charging connector is located on the back of the center console box.

The USB charging connector can be used only for charging an external device.

Power outlet

Connect a USB device into the connector. Charging will start automatically.

The maximum output of each port is:

- ① Type-C port: 5 volt, 15 W, 3 A
- ② Type-A port: 5 volt, 12 W, 2.4 A

The external device will be charged continuously while the push-button power switch is in the Auto ACC or ON position.

Do not charge many devices at the same time by using a multi-plug adapter.

Do not allow water or any liquid to contact the outlet. If liquid splashed on the charging port or the charging port is clogged, it is recommended to contact a Nissan Electric Vehicle certified dealer.

Some mobile devices cannot be charged depending on their specifications.

CAUTION

- Using charging connectors without Plug-in Hybrid system operating may cause the vehicle battery discharge.
- Before using the USB charging connector, be sure the charging port is not clogged. If the charging port is clogged, it can be a cause of short-circuit and the connected device and the charging port might be damaged.
- Do not force a USB device into the connector. Inserting the USB device tilted or up-side-down into the connector may damage the connector. Make sure that the USB device is connected correctly into the connector.
- Do not use a reversible USB cable. Using the reversible USB cable may damage the connector.

Wireless charger

N07404600049

The wireless charger is located on the lower part of the instrument panel. Lay the smartphone on the

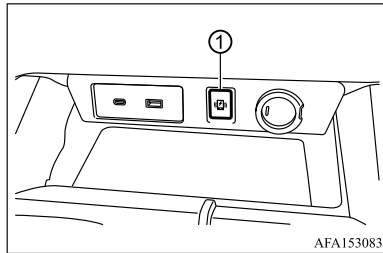
pad of the wireless charger. Charging will start automatically. The smartphone will be charged continuously while the push-button power switch is in the ON position.

WARNING

- **Never put metallic materials between the wireless charger and a smartphone.**
- **Those who use a pacemaker or other medical equipment should contact the electric medical equipment manufacturer for the possible influences before use.**
- **Never put cloth over the smartphone during charging process.**
- **Never charge a smartphone when it is wet.**
- **Never put metallic materials or small goods such as a cigarette lighter.**
- **Never put the Intelligent Key near the wireless charger.**

⚠ CAUTION

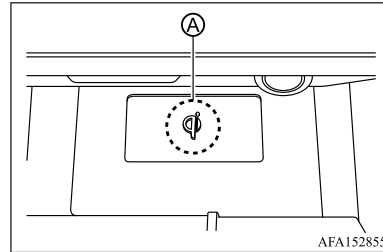
- Do not put an RFID/NFC card between the wireless charger and a smartphone. This could cause data corruption in the card.
- Do not use the wireless charger with dust accumulated or dirt on the pad.
- Do not hit the surface of the wireless charger.

Wireless charger Indicator

The indicator ① will illuminate in orange when the charging process is started.

When the charging has completed, the indicator illuminates in green.

If a malfunction occurs or the charging process has stopped, the indicator will blink in orange.

Operation of the wireless charger

To use the wireless charger, it is necessary that the coil in the charging pad aligns with the coil in your smartphone. The most efficient area for charging is just on the "Qi" logo ①. Place the coil of your smartphone in the charging pad, targeting on the "Qi" logo. Because the location of

the coil varies depending on the smartphone, you will need to try and find the area that suits your smartphone.

Because some smartphone cases or accessories may adversely affect charging, remove them before wireless charging.

Turn off the vibration function of the smartphone before wireless charging.

NOTE

- Only a Qi compatible smartphone can be used.
- The smartphone may be warmed during charging process and the charging may stop by the protection function of the wireless charger. This is not a malfunction. If this occurs, restart charging after the smartphone cooled down.
- The wireless charging process may be stopped by the status of the smartphone (battery temperature, etc.).

 NOTE

- If a radio noise interference occurs during charging process, put the smartphone's coil position onto the center ("Qi" logo) position of the wireless charger.
- The wireless charging process will stop during process of searching the Intelligent Key.
- The wireless charging process will not be started when a USB (Universal Serial Bus) cable is connected to the smartphone. The indicator may illuminate in orange or blink if the smartphone is put on the wireless charger with a USB cable connected. However, charging is not performed.
- Depending on the type of the smartphone, the indicator may remain illuminated in orange even when the charging process has been completed.

FCC: 2A6WXC500MNM

IC:28559-WC500MNM

This device complies with part 15 of the FCC Rules and RSS-Gen of IC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and**
- (2) This device must accept any interference received, including interference that may cause undesired operation.**

 CAUTION

Any changed or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

FCC RF Radiation Exposure Statement: This equipment complies with FCC RF Radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 15 cm between the radiator and your body.

ISED Compliance Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with ISED (Innovation, Science and Economic Development Canada) licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.**
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.**

This equipment complies with ISED RF Radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 15 cm between the radiator and your body.

IDéclaration d'avertissement ISÉD

L'émetteur/récepteur exempt de licence contenu dans le

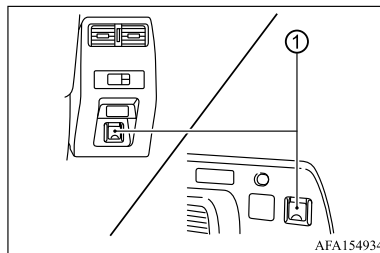
présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) L'appareil ne doit pas produire de brouillage.
- (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Cet équipement est conforme aux limites d'exposition aux RF d'ISDE pour un environnement non contrôlé. Cet appareil et son antenne ne doivent pas être placés à proximité d'autres antennes ou émetteurs ni fonctionner en conjonction avec ceux-ci. Cet équipement doit être installé et exploité de sorte que le radiateur soit à une distance minimale de 15 cm du corps humain.

120V AC socket (1500W) (if so equipped)

N07404700040



AFA154934

120V AC socket (1500W) ① can be used when the READY to drive indicator light illuminates.

⚠ WARNING

Never use the 120V AC power supply for electromedical apparatus.

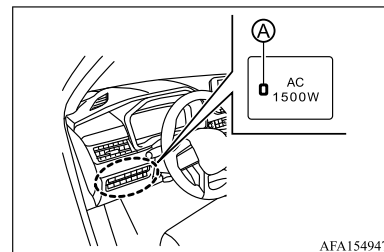
⚠ CAUTION

Be sure to use a "plug-in" type accessory operating at 120V and at 1500 W or less. When using more than one power outlet at the same time, make sure the total power consumption of the electrical appliances does not exceed 1500 W at 120V.

📖 NOTE

When using an electrical appliance, be sure to observe the precautions given in the attached instruction manuals and labels.

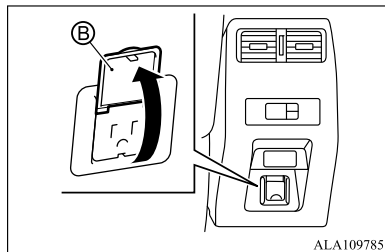
To use the 120V AC socket (1500W)



AFA154947

Power outlet

1. Press the AC power outlet switch. The indicator light ④ will come on and power supply system is ready for use. To cancel power supply, press the switch again and the indicator light will go off.



2. Open the lid ⑤.
3. Insert the plug in the power outlet firmly. Make sure the plug is connected correctly.
4. Disconnect the plug and close the lid after using the electrical appliance.

WARNING

- Never use the AC power outlet to charge an electric vehicle or a plug-in hybrid vehicle. Also, never connect the AC power outlet to a household powerline or a distribution panel. This may lead to electric shock or a malfunction.
- When using an electrical appliance with a ground wire, be sure to connect the ground wire to the ground terminal before using it.
- Do not connect or disconnect the plug with a wet hand. Doing so can cause an electric shock.
- Never pull the cable to remove the plug. Pull straight with holding the plug of an electrical appliance.
- Do not disassemble or modify the AC power outlet.
- Do not use the following appliances that may impede safe driving. Serious accidents may occur.
 - Appliances that produce heat.
 - Appliances that produce steam.
 - Appliances that emit light.

WARNING

- While using the AC power outlet, even if the engine is not running, the engine may automatically start later depending on the condition of the Plug-in Hybrid system and/or the Li-ion battery.
 - Before using the AC power outlet while the vehicle is stationary, to prevent the vehicle from moving abruptly, apply the parking brake firmly and press the electrical parking switch and make sure that the shift lever position indicator on the vehicle information displays "P" (Park). Also, to avoid activating the shift lever, do not place a power cord on or near the lever.
- Never use the AC power outlet in a closed or poorly ventilated area, such as in a garage, or an area surrounded by snow banks. Carbon monoxide gas, which is odorless and extremely poisonous, could build up and cause serious injury or death.

⚠ WARNING

- Do not park your vehicle in areas where combustible materials such as dry grass or leaves can come in contact with a hot exhaust, since a fire could occur
- When using the AC power outlet while it is raining or snowing, do not leave the door or liftgate open. Wetting the AC power outlet may cause overheating resulting in a fire and/or electrical shock.
- Never use a multi-plug adapter or conversion adapter. Using them may cause overheating resulting in fire.
- Do not spill a beverage on the AC power outlet. This may cause overheating resulting in a fire and/or electrical shock.
- Do not let children touch the AC power outlet.
- The cooling fan in the engine compartment may automatically operate when using the AC power outlet. Keep your hands and clothes away from the cooling fan.

⚠ WARNING

- Never use the AC power outlet when lightning or thunder is observed or expected.

⚠ CAUTION

- When the AC power outlet is not in use, be sure to cancel power supply by pressing the AC power outlet switch, disconnect the plug and close the lid. This will prevent the AC power outlet from becoming clogged and short circuiting.
- Do not stand behind the exhaust pipe as the engine may automatically start depending on the condition. Heat from the exhaust could lead to burns.
- Make sure that the plug is inserted all the way into the AC power outlet before using an electrical appliance.
- Do not connect a malfunctioning electrical appliance to the AC power outlet. Doing so could damage the AC power outlet.

📖 NOTE

- Power outlet and 120V AC power supplies can be used simultaneously. Refer to "Power outlet" on page 237.
- If the plug of the electrical appliance was loose or wobbled when inserted in the outlet, it is recommended you replace the AC power outlet by a Nissan Electric Vehicle certified dealer.
- Never leave the vehicle, perform refueling or washing the vehicle while using the AC power outlet.
- You may hear operating sounds such as sounds from the cooling fan near luggage area when using the AC power outlet. This is not a malfunction.
- Never use electrical appliance which is vulnerable to vibration or heat in the cabin. When exposed to the strong direct sunlight, the cabin will become extremely hot. It could cause product failure.
- Do not use the AC power outlet with the vehicle covered by a car cover.

NOTE

- When closing the window, door or liftgate, be careful not to trap the power supply cord of the electrical appliance.
- AC power outlet cannot be used in the following cases.
 - When Plug-in Hybrid System warning light is illuminated.
 - When the energy level gauge indicates 0.
 - When the "PROPULSION POWER IS REDUCED" warning display appears.
- Electrical appliance may not operate normally or electricity supply stops under the following conditions. You may hear an operation noise. This is normal operation and not a malfunction.
 - When the power consumption of the electrical appliance exceeds 1500 W.
 - When the vehicle interior temperature is too hot or too cold.
- When the AC power outlet cannot be used or is not returned to operation automatically after stopping electricity supply, follow the procedures below.

NOTE

1. Disconnect the plug of electrical appliance.
2. Confirm the remaining quantity of the Li-ion battery. When it is low, charge the Li-ion battery by using the EV mode switch, etc. "EV mode selector switch" on page 370
"Normal charging (charging method with rated AC 120 V outlet)" on page 51
"Normal charging (charging method with EVSE)" on page 64
3. Confirm the READY to drive indicator light illuminates. If not, start the Plug-in Hybrid System.
4. When the vehicle interior temperature is too hot or too cold, adjust it appropriately by using air conditioner.
5. Press the 120V AC socket (1500W) switch to turn on.
6. Confirm the indicator light on 120V AC socket (1500W) switch comes on and insert the plug in the power outlet.

NOTE

- The following electrical appliance may not operate normally even if the power consumption is less than 1500 W. Also be aware that electric power which can be used will vary depending on the Li-ion battery condition.
 - Electrical appliance to which large current flows momentarily
 - Electrical appliance which gauges precise data
 - Electrical appliance which does not operate normally when it is not placed horizontally
 - Electrical appliance which needs extremely stable operation
 - Electrical appliance with a timer function, which needs the consecutive output
- AC power output may be shut off and the electrical appliance may be turned off accordingly depending on the Li-ion battery condition even if the energy level gauge does not indicate 0.
- Use of electrical appliance could cause radio or television noise.

**NOTE**

- The voltage of the AC power outlet cannot be correctly gauged with a commercially available tester. It is recommended you consult a Nissan Electric Vehicle certified dealer. When you need measurement of the voltage.
- When the remaining power in the Li-ion battery is low, the engine starts and charges the Li-ion battery automatically. Be careful not to run out of fuel since it will be consumed when the engine starts.

Emergency Call (SOS) button

N07404800083

Emergency support

NissanConnect® Services provide various services to support dealing with emergencies of the subscribed vehicle and the driver. For example, in case of an illness or serious injury, you can seek support by pushing the in-vehicle

Emergency Call (SOS) button and connecting to the NissanConnect® Services Response Center. The NissanConnect® Services Response Center can specify the location of the vehicle via GPS, and the information will be sent to the police or other agencies as needed.

For information about other NissanConnect® Services emergency support related services, contact the NissanConnect® Customer Support line at 1-800-647-7261 (For U.S.) or 1-800-387-0122 (For Canada), or refer to the NissanConnect® Services website <https://nissanusa.com/connect> (For U.S.) or <https://nissan.ca/connect> (For Canada).

**WARNING**

- Please note that the Automatic Collision Notification service and Emergency Call function cannot be used in the following conditions:

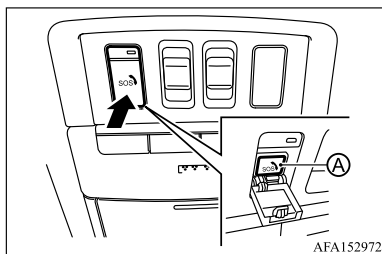
**WARNING**

- Emergency functions and services will not be available without a paid subscription to NissanConnect® Services.
- The NissanConnect® Services network system is disabled.
- The vehicle moves outside the service area where the TCU (Telematics Control Unit) is connected to the system.
- The vehicle is outside the area where the cellular network service is receivable.
- The vehicle is in a location with poor signal reception such as tunnels, underground parking garages, behind buildings or in mountainous areas.
- The line is busy.
- The TCU (Telematics Control Unit) or other systems of your vehicle are not working properly.
- It may not be possible to make an emergency call depending on the severity of a collision and/or emergency.

WARNING

- Park the vehicle in a safe location and set the parking brake before operating the Emergency Call (SOS) button.
- Only use this service in case of an emergency. There may be a penalty for inappropriate use of the service.
- Radio waves could adversely affect electric medical equipment. Individuals who use a pacemaker should contact the device manufacturer regarding any possible effects before using the system.
- The TCU (Telematics Control Unit) antenna is installed inside the upper central part of the instrument panel. An occupant should not get any closer to the antenna than specified by the pacemaker manufacturer. The radio waves from the TCU antenna may adversely affect the operation of the pacemaker.

Making an emergency call



The Emergency Call (SOS) button is located near the map light.

1. Push the cover to expose the Emergency Call (SOS) button .
2. Push the Emergency Call (SOS) button to make an emergency call.
3. When the line is connected, speak to the Response Specialist.

If you want to cancel the emergency call, push and hold the

Emergency Call (SOS) button for a few seconds.

NOTE

- After the Emergency Call (SOS) button is pushed, it may take some time until the system initiates connection, depending on the technical environment and whether the TCU (Telematics Control Unit) is being used by other services.
- An indicator light on the Emergency Call (SOS) button shows the readiness of the emergency support system. If the indicator light is not illuminated, pushing the Emergency Call (SOS) button does not connect your vehicle to the Response Specialist.
The indicator light blinks while connected to the NissanConnect® Services Response Center.
- Even when the indicator light is illuminated, connection to the NissanConnect® Services Response Center may not be possible. If this occurs in an emergency situation, contact the authorities by other means.

**NOTE**

- To avoid disconnecting the line, keep the Plug-in Hybrid system operating during an emergency call, if it is safe to do so.

FCC Regulatory information 15.19**For USA:****FCC: LHJ-BL28NARD1**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1) this device may not cause harmful interference and
- 2) this device must accept any interference received, including interference that may cause undesired operation of the device.

For Canada:**IC: 2807E-BL28NARD1**

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s).

Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

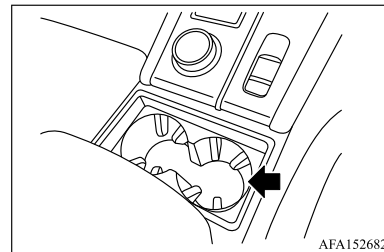
1. l'appareil ne doit pas produire de brouillage, et,
2. l'utilisateur de l'appareil doit accepter tout brouillage radio-électrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Storage

N07404900084

Cup holders**⚠ CAUTION**

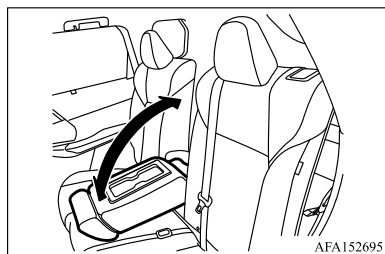
- Avoid abrupt starting and braking when the cup holder is being used to prevent spilling the drink. If the liquid is hot, it can scald you or your passenger.
- Use only soft cups in the cup holder. Hard objects can injure you in an accident.

Front**Center console**

AFA152682

Storage

2nd row seat



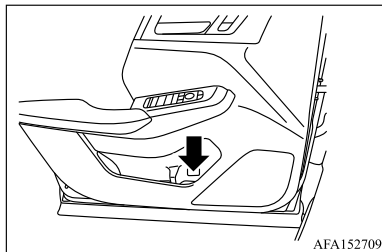
The 2nd row seat cup holders are located in the 2nd row seat fold-down armrest.

Soft bottle holders

CAUTION

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

Door (front and rear)

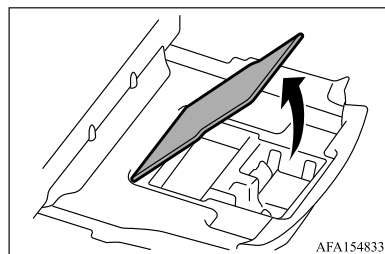


Luggage compartment

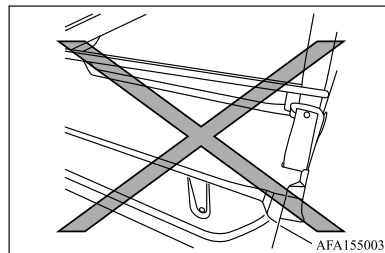
CAUTION

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.

Luggage under space



To use the luggage under space, pull up the luggage floor board. For additional information, refer to "3rd row seats" on page 83.

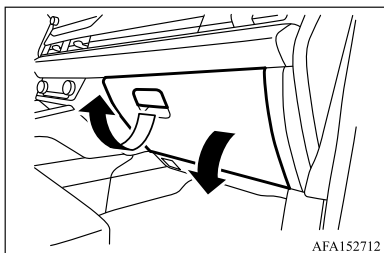


⚠ CAUTION

Do not store a luggage in the recessed space of the 3rd row seats when the 3rd row seats are folded. A luggage may be damaged when using the 3rd row seats.

Glove box

N07405000037



AFA152712

⚠ WARNING

Keep glove box lid closed while driving to help prevent injury in an accident or a sudden stop.

To open the glove box, pull the handle.

To close, push the lid in until the lock latches. The glove box light

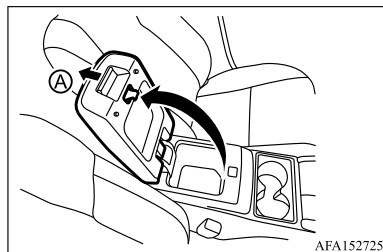
illuminates when the headlight switch is turned on.

Console box

N07405100041

⚠ WARNING

Keep the console box lid closed while driving. If left open, it may prevent the front central seat-mounted side-impact supplemental air bag from inflating and cause injury in an accident.

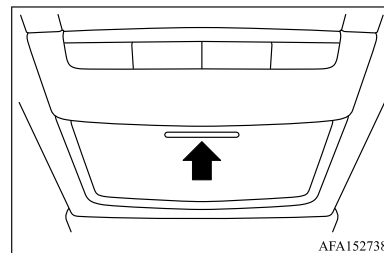


AFA152725

To open the console box lid, push up the knob Ⓐ and pull up the lid. To close, push the lid down until the lock latches.

Sunglasses holder

N07405200039



AFA152738

⚠ WARNING

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

⚠ CAUTION

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

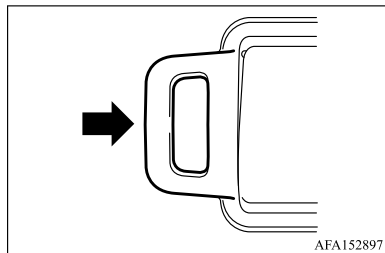
Storage

The sunglasses holder is located between the left and right sun visors.

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

Card holder

N07405300043



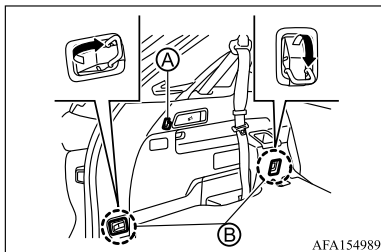
AFA152897

The card holder is located on the sun visor.

Slide a card in the card holder.

Luggage hooks

N07405400044



AFA154989

The luggage hooks A B are located as shown.

To use the hooks B, pull it as illustrated. Do not put heavy load on the hooks A when they are in use to prevent hooks are broken.

WARNING

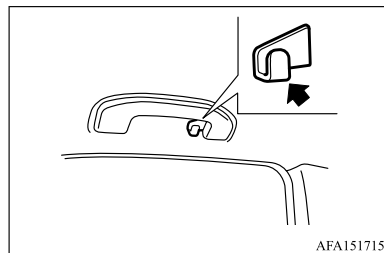
- Always make sure that the cargo is properly secured. Use the suitable ropes and hooks.
- Unsecured cargo can become dangerous in an accident or sudden stop.

WARNING

- Do not apply a total load of more than 6.6 lb (3 kg) for hook A or 44 lb (20 kg) for hook B to a single hook.
- Do not leave anything hanging on the hook when the inside of the vehicle is hot, such as under direct sunlight.

Coat hook

N07405500032



AFA151715

The coat hook are located above the rear side windows.

⚠ WARNING

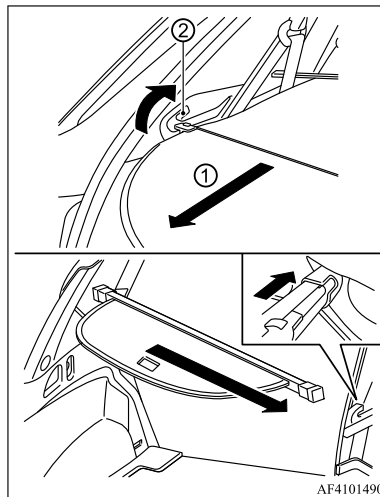
Do not put a hanger or any heavy or pointed object on the coat hook. If the curtain air bag was activated, any such item could be propelled away with great force and could prevent the curtain air bag from inflating correctly. Hang clothes directly on the coat hook (without using a hanger). Make sure there are no heavy or sharp objects in the pockets of clothes that you hang on the coat hook.

⚠ CAUTION

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

Cargo cover (if so equipped)

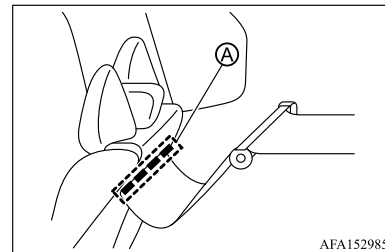
N07405600046



AF4101490

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

To use the cargo cover, pull it out ① and insert both sides to the guide ②.



AFA152985

To fully cover the luggage area, affix the fasteners A on the front cover to the back of the 2nd row seats.

To remove the cargo cover, stow the cover and push it at the right end, pull up the right end of the stored cargo cover from the holder located near by the rear pillar, then take it out from the cargo area.

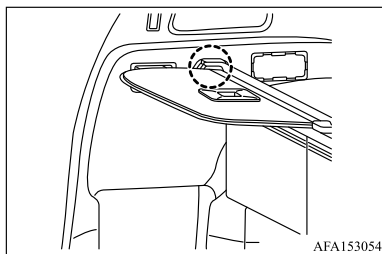
⚠ WARNING

- Never put anything on the cargo cover, no matter how small. Any object on it could cause an injury in an accident or sudden stop.

Roof rack (if so equipped)

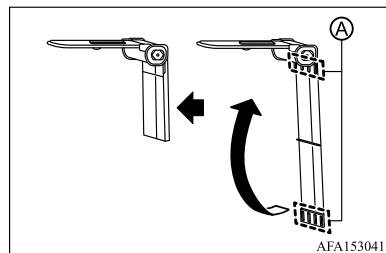
WARNING

- Do not leave the cargo cover in the vehicle with it disengaged from the holder.
- The child restraint top tether strap may be damaged by contact with the cargo cover or items in the cargo area. Remove the cargo cover from the vehicle or secure it in the cargo area. Also secure any items in the cargo area. Your child could be seriously injured or killed in a collision if the top tether strap is damaged.



2. When not using the cargo cover, store it with the cargo cover inserted in the trim as shown in the illustration.

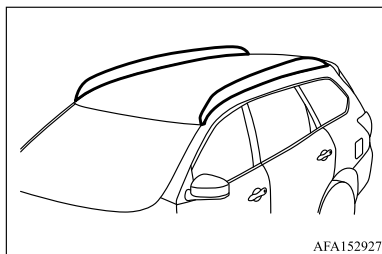
Storing cargo cover



1. Fold the front cover and fix them by the fastener ①.

Roof rack (if so equipped)

NO7405700050



Do not apply any load directly to the roof side rails. Cross bars must be installed before applying load/cargo/luggage to the roof of the vehicle. Genuine NISSAN accessory cross bars are available through a Nissan Electric Vehicle certified dealer. It is recommended that you visit a Nissan Electric Vehicle certified dealer for additional information.

The service load capacity for the roof side rails is 176 lb (80 kg), however do not exceed the accessory cross bars load capacity.

Be careful that your vehicle does not exceed the Gross Vehicle Weight Rating (GVWR) or its Gross Axle Weight Rating (GAWR front and rear). The GVWR and GAWR are located on the F.M.V.S.S. or C.V.M.S.S. certification label (located on the driver's door pillar). For additional information regarding GVWR and GAWR, refer to "Vehicle loading information" on page 608.

⚠ WARNING

- Always install the cross bars onto the roof side rails before loading cargo of any kind. Loading cargo directly onto the roof side rails or the vehicle's roof may cause vehicle damage.
- Drive extra carefully when the vehicle is loaded at or near the cargo carrying capacity, especially if the significant portion of that load is carried on the cross bars.
- Heavy loading of the cross bars has the potential to affect the vehicle stability and handling. Drive carefully and avoid sudden or unusual handling maneuvers.
- Roof rack cross bars should be evenly distributed.
- Do not exceed maximum roof rack cross bars load.
- Properly secure all cargo with ropes or straps to help prevent it from sliding or shifting. In a sudden stop or collision, unsecured cargo could cause personal injury.

Windows

N07405800077

Power windows**⚠ WARNING**

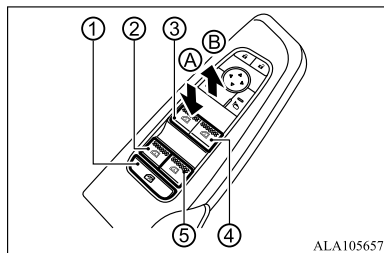
- Make sure that all passengers have their hands, etc. inside the vehicle while it is in motion and before closing the windows. Use the window lock switch to prevent unexpected use of the power windows.
- To help avoid risk of injury or death through unintended operation of the vehicle and or its systems, 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.

📖 NOTE

- If the power window does not close completely when driving, slow down the vehicle speed and open and close the power window.
- To reduce wind noise or pulsing noise when just one window is open, slightly open the opposite window or the moonroof (if so equipped).

The power windows operate when the push-button power switch is in the ON position, or for approximately 45 seconds after the push-button power switch is placed in the OFF position. If the driver's or front passenger's door is opened during this period of approximately 45 seconds, power to the windows is canceled.

Main power window switch (driver's side)



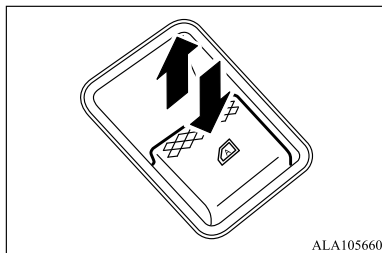
- ① Window lock button
- ② Rear left passenger side window
- ③ Driver side window
- ④ Front passenger side window
- ⑤ Rear right passenger side window

To open or close the window, push down **A** or pull up **B** the switch and hold it. The main switch (driver side switches) will open or close all the windows.

Locking passengers' windows

When the lock button ① is pushed in, only the driver side window can be opened or closed. Push it in again to cancel.

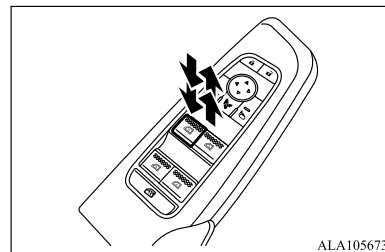
Passenger side power window switch



The passenger side 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

Example



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 are some small distances immediately before the closed position which cannot be detected. Make sure that all passengers have their hands, etc., inside the vehicle before closing the window.

If the control unit detects something caught in the window as it is closing, the window will be immediately lowered.

The auto reverse function can be activated when the window is closed by automatic operation when the push-button power switch is in the ON position or for 45 seconds after the push-button power switch is placed in the OFF position.

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

If the windows do not close automatically

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

1. Start the Plug-in Hybrid system.
2. Close the door.
3. After starting the Plug-in Hybrid system, 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 initialization is complete.

WARNING

When the auto-reverse function is canceled, the window will not automatically reverse even if the control unit detects an obstacle. Make sure that all passengers have their hands, etc. inside the vehicle before closing the windows.

If the power window automatic function does not operate properly after performing the procedure above, it is recommended you have your vehicle checked by a Nissan Electric Vehicle certified dealer.

Moonroof (if so equipped)

N07405900065

WARNING

- In an accident you could be thrown from the vehicle through an open moonroof. Always use seat belts and child restraints.

Moonroof (if so equipped)

WARNING

- Do not allow anyone to stand up or extend any portion of their body out of the moonroof opening while the vehicle is in motion or while the moonroof is closing.

CAUTION

- Remove water drops, snow, ice or sand from the moonroof before opening.
- Do not place any heavy object on the moonroof or surrounding area.

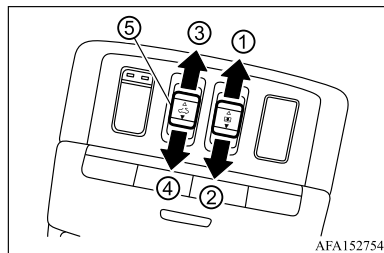
NOTE

To reduce wind noise or pulsing noise when just one window is open, slightly open the opposite window or the moonroof (if so equipped).

The moonroof and sunshade operate when the push-button power switch is in the ON position, or for approximately 45 seconds after the push-button power switch is placed in the OFF

position. If the driver's or front passenger's door is opened during this period of approximately 45 seconds, power to the moonroof and sunshade is canceled.

Moonroof and sunshade



Sliding sunshade and moonroof

When the sunshade switch is pushed to the OPEN position ①, the sunshade opens fully. When the moonroof switch is pushed to

the OPEN position ③, the moonroof opens to the comfort mode position. When the switch is pushed again, the moonroof opens fully.

Depending on the position of the sunshade, the sunshade will open together with the moonroof.

When the moonroof switch is pushed to the CLOSE position ④, the moonroof will automatically close. When the sunshade switch is pushed to the CLOSE position ②, the sunshade will close. Before the sunshade is fully closed, the moonroof must be completely closed.

To stop the sunshade or moonroof during the operation, push the moonroof switch to either of the OPEN ①, ③, CLOSE ②, ④ or UP ⑤ position.

Tilting moonroof

To tilt up the moonroof, push the moonroof switch to the up posi-

tion ⑤ when the moonroof is fully closed.

To tilt down the moonroof, push the switch to the CLOSE position ④.

Comfort mode

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

Auto-reverse function



WARNING

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

The auto-reverse function enables the moonroof and sun-

shade to automatically reverse when something is caught in the moonroof and sunshade as it is closing. When the control unit detects an obstacle, the moonroof and sunshade will open immediately.

Depending on the environment or driving conditions, the auto-reverse function may activate if an impact or load similar to something being caught in the moonroof and sunshade occurs. If the auto-reverse function activates consecutively or the battery is discharged, the moonroof and sunshade may not close properly. In this case, push and hold the switch to the CLOSE position ④ to close the moonroof.

If the moonroof does not operate

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

Moonroof (if so equipped)

1. Push and hold the switch in direction ⑤.
2. The moonroof will move to the tilt up position and the sunshade will move to the fully closed positions in small increments.



NOTE

If the moonroof and sunshade are both open, the moonroof will move to the fully closed position, and then the sunshade will move to the fully closed position.

3. When the moonroof have stopped in the tilt up position and the sunshade have stopped in the fully closed position, release the switch. (The resetting procedure is finished.)



NOTE

Do not release the switch until the resetting procedure is finished. If you release the switch, the resetting mode will be canceled. To perform the resetting procedure again, repeat the procedure from step 1.

WARNING

The driver is always responsible for operation of the moonroof including all passenger's operation. Failure to follow the warnings and instructions for proper use of the moonroof could result in serious injury or death.

- Do not let children operate the moonroof. Improper operation by children may cause an accident. If a child or other person is caught in the moonroof, it could cause serious injury.
- To help avoid risk of injury or death through unintended operation of the moonroof, Place the push-button power switch in the OFF position, do not leave children and the Intelligent Key inside the vehicle when you leave the vehicle.
- Do not activate the auto-reverse function intentionally. If hands or face etc. get caught in the moonroof, it could cause serious injury.

CAUTION

- Do not place objects (such as newspapers, handkerchiefs, etc.) on the sunshade when it is extending or retracting causing improper operation or damage to the sunshade.
- Do not push the sunshade arm with your hands, etc., as this may deform it. Improper operation or damage to the sunshade may result.
- Do not put any object into the sunshade inlet port as this may result in improper operation or damage the sunshade.
- Do not hang any object on the arm rail as this may result in improper operation or damage the sunshade.
- Do not forcefully pull the sunshade. Doing so may elongate the sunshade. Improper operation or damage to the sunshade may result.

Interior lights

N0740600089

CAUTION

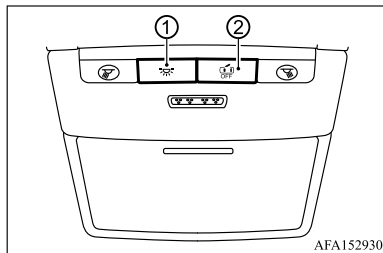
- Do not leave the light switch on when the Plug-in Hybrid system is not operating for extended periods of time to prevent the battery from being discharged.
- Turn off the lights when you leave the vehicle.

NOTE

- You can set ON/OFF of the automatic lighting function of the interior lights in the vehicle information display.
To turn on/off the automatic lighting function, refer to "Vehicle Settings" section under "Settings" on page 176.
- If you turn off the interior light automatic lighting function in the vehicle information display, the following functions will also turn off.
 - Function to turn on the interior lights when the door is opened.

NOTE

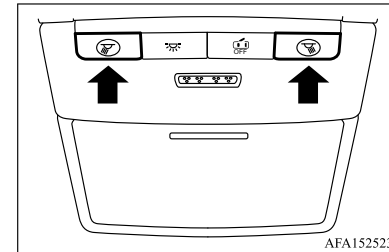
- Function to turn on the cargo light and liftgate light when the liftgate is opened.
- Function to turn on the interior lights when the push-button power switch is turned off.
- Function to turn on the interior lights when unlocking the vehicle using the Intelligent Key system function.
- The lights will also turn off after a period of time when the lights remain illuminated to prevent the battery from becoming discharged.

Interior light switch

- ① The interior light can be turned ON regardless of door position. The light will go off after a period of time unless the push-button power switch is placed in the "ON" position when any door is opened.
- ② The interior lights can be set to operate when the doors are opened. To turn off the interior lights when a door is open, push the switch, the interior lights will not illuminate, regardless of door position. The lights will go off when the push-button power switch is placed in the "ON" position, or the driver's door is closed and locked.

Map lights

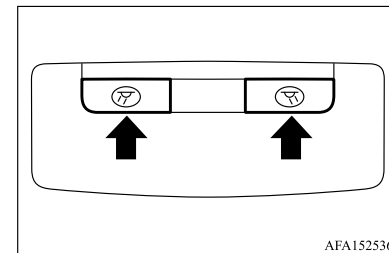
N07406100022



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

Room lights (if so equipped)

N07406200032



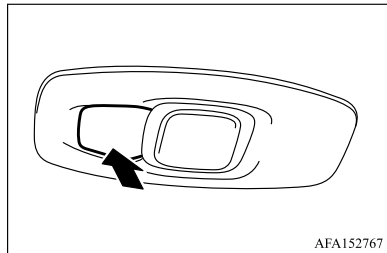
Interior lights

The room lights are located on the ceiling above the 2nd row seats.

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

Rear personal lights (if so equipped)

N07406300024

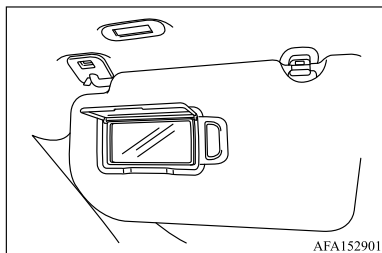


AFA152767

To turn the rear personal lights on, push the button. To turn them off, push the button again.

Vanity mirror light

N07406400038



AFA152901

The vanity mirror light is located on the ceiling above the vanity mirror.

The vanity mirror light will turn on when the cover on the vanity mirror is opened.

When the cover is closed, the light will go off.

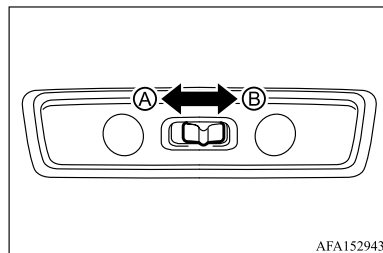
Cargo light

N07406500039

The cargo light illuminate when the liftgate is opened. When the liftgate is closed, the lights will go off.

Liftgate light

N07406600043



AFA152943

To turn the liftgate light on, slide the switch to **A**. To turn them off, slide the switch to **B**.



NOTE

When the interior lights automatic lighting function is turned off in the vehicle information display, the liftgate light will not turn on even if the switch is set to position **A** with the liftgate open.

To turn on/off the automatic lighting function, refer to "Vehicle Settings" section under "Settings" on page 176.

Pre-driving checks and adjustments

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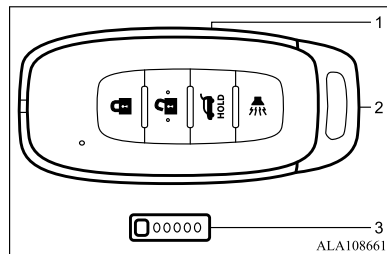
Keys

N07500100063

The key number is stamped on the Key number plate as indicated in the illustration. Make a record of the key number and store the key and Key number plate in separate places, so that you can order a key from your Nissan Electric Vehicle certified dealer in the event the original keys are lost.

Intelligent Key

N07500200035



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

Your vehicle can only be driven with the Intelligent Key which are registered to your vehicle's Intelligent Key components and NISSAN Vehicle Immobilizer System components. As many as 4 Intelligent Keys can be registered and used with one vehicle.

To prevent vehicle theft, it is recommended you take your vehicle and the remaining Intelligent Keys to a Nissan Electric Vehicle certified dealer to have the ID codes reprogrammed.

Replacement Intelligent Key

Only the Intelligent Keys that have been programmed to the vehicle's electronics can be used to start the vehicle.

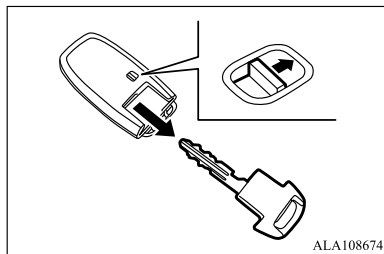
If you lose the Intelligent Key, you can order an Intelligent Key from your Nissan Electric Vehicle certified dealer by referring to the key number.

CAUTION

- Be sure to carry the Intelligent Key with you when driving. The Intelligent Key is a precision device. To avoid damaging it, please note the following.
 - Moisture may damage the Intelligent Key. If the Intelligent Key gets wet, immediately wipe until it is completely dry.
 - Do not bend, drop or strike it against another object.
 - If the outside temperature is below 14°F (-10°C) degrees, the battery of the Intelligent Key may not function properly.
 - Do not place the Intelligent Key for an extended period in a place where temperatures exceed 140°F (60°C).
 - Do not change or modify the Intelligent Key.
 - Do not use a magnet key holder.
 - Do not place the Intelligent Key near an electric appliance such as a television set, personal computer, cellular phone or wireless charger.

⚠ CAUTION

- Do not allow the Intelligent Key to come into contact with water or salt water, and do not wash it in a washing machine or ultrasonic cleaner. This could affect the system function.
- If an Intelligent Key is lost or stolen, NISSAN recommends erasing the ID code of that Intelligent Key. This will prevent the Intelligent Key from unauthorized use to unlock the vehicle. For information regarding the erasing procedure, it is recommended you visit a Nissan Electric Vehicle certified 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" on page 263.)

⚠ CAUTION

Always carry the mechanical key installed in the Intelligent Key.

Doors

N07500300065

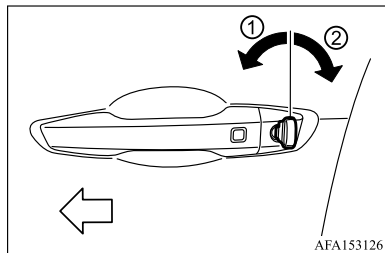
⚠ WARNING

- **Always have the doors locked while driving. Along with the use of seat belts, this provides greater safety in the event of an accident by helping to prevent persons from being thrown from the vehicle. This also helps keep children and others from unintentionally opening the doors, and will help keep out intruders.**
- **When closing a door, make sure that the door is fully closed and the door-ajar warning display goes out on the information screen on the vehicle information display. If the door is ajar it could open while driving and cause an accident.**
- **Before opening any door, always look for and avoid oncoming traffic.**

WARNING

● To help avoid risk of injury or death through unintended operation of the vehicle and or its systems, including entrapment in windows or inadvertent door lock activation, do not leave children, people who require the assistance of others or pets unattended in your vehicle. Additionally, the temperature inside a closed vehicle on a warm day can quickly become high enough to cause a significant risk of injury or death to people and pets.

Locking with key



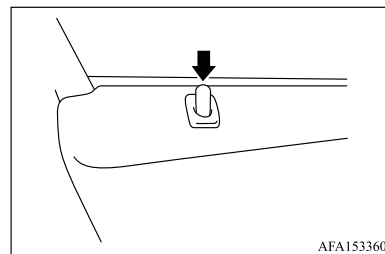
To lock the driver's door, turn the driver's door key cylinder to the front of the vehicle ①.

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

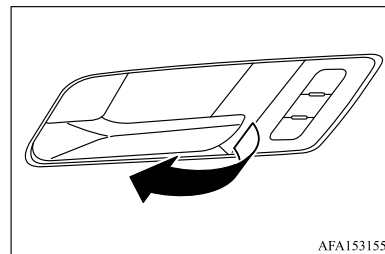
To lock or unlock the other doors and the liftgate, use the Intelligent Key system function or remote keyless entry function. (See "Intelligent Key system" on page 266.)

Locking with inside lock knob

When locking the door without a key, be sure not to leave the key inside the vehicle.



To lock the door, push down the inside lock knob.

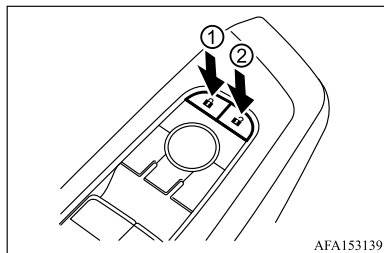


To unlock and open the driver's door, pull the door handle. To unlock and open other doors, pull once on the door handle to unlock it, and again to open it.

Locking with power door lock switch

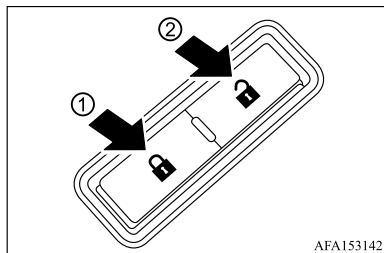
N07500400040

Driver's armrest



AFA153139

Passenger's armrest



AFA153142

NOTE

Repeated continuous operation between lock and unlock could activate the power door locking system's built-in protection circuit, and prevent the system from operating. If this occurs, wait approximately 1 minute before operating the power door lock switch.

Operating the power door lock switch (located on the driver's and front passenger's doors) will lock or unlock all the doors.

To lock the doors, push the power door lock switch ① with the driver's and front passenger's doors 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 door unlock switch ②.

Lockout protection

Lockout protection function helps to prevent the keys from

being accidentally locked inside the vehicle.

When the power door lock switch ① (driver's or front passenger's side) is pushed with the Intelligent Key left in the vehicle and any door open, all doors will unlock automatically and a chime will sound after the door is closed.

Automatic door locks

N07500500038

- All doors lock automatically when the vehicle speed reaches 9 MPH (15 km/h) or when the shift lever is moved out from the P (Park) position, if selected.
- All doors unlock automatically when the push-button power switch is placed in the OFF position or when the shift lever is moved to the P (Park) position, if selected.

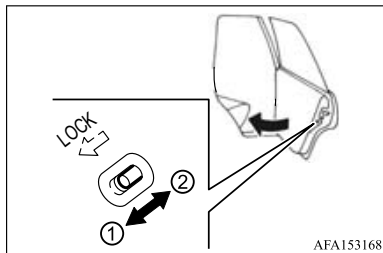
Intelligent Key system

NOTE

The Automatic door lock and unlock feature can be changed using the "Vehicle Settings" menu on the vehicle information display. (For additional information about "Vehicle Settings", refer to "Settings" on page 176.)

Child safety rear door lock

NO7500600039



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

NO7500900087

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 FAA advises that the radio waves may affect aircraft navigation and communication systems. Do not operate the Intelligent Key while on an airplane. Make sure the buttons are not operated unintentionally when the unit is stored during a flight.

The Intelligent Key system can operate all the door locks using the remote keyless entry 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 operation.

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

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

- When operating near a location where strong radio waves are transmitted, such as a TV tower, power station and broadcasting station.
- When in possession of wireless equipment, such as a cellular phone, transceiver, and CB radio.
- When the Intelligent Key is in contact with or covered by metallic materials.
- When any type of radio wave remote control is used nearby.
- When the Intelligent Key is placed near an electric appliance such as a personal computer.
- When the vehicle is parked near a parking meter.

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

Although the life of the battery varies depending on the operating conditions, the battery's life is approximately 2 years. If the bat-

tery is discharged, replace it with a new one.

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

For information regarding replacement of a battery, see "Intelligent Key battery replacement" on page 554.

As many as 4 Intelligent Keys can be registered and used with one vehicle. If you purchase another Intelligent Key, take your vehicle and all remaining Intelligent Keys to your Nissan Electric Vehicle certified dealer. For information about the purchase and use of additional Intelligent Keys, it is recommended that you contact a Nissan Electric Vehicle certified dealer.

CAUTION

- Do not allow the Intelligent Key, which contains electrical components, to come into contact with water or salt water. This could affect the system function.
- Do not drop the Intelligent Key.
- Do not strike the Intelligent Key sharply against another object.
- Do not change or modify the Intelligent Key.
- Moisture may damage the Intelligent Key. If the Intelligent Key gets wet, immediately wipe until it is completely dry.
- If the outside temperature is below 14°F (-10°C) degrees, the battery of the Intelligent Key may not function properly.
- Do not place the Intelligent Key for an extended period in an area where temperatures exceed 140°F (60°C).
- Do not attach the Intelligent Key with a key holder that contains a magnet.
- Do not place the Intelligent Key near equipment that produces a magnetic field, such as a TV, audio equipment, personal computers or cellular phone.

Intelligent Key system

If an Intelligent Key is lost or stolen, NISSAN recommends erasing the ID code of that Intelligent Key from the vehicle. This may prevent the unauthorized use of the Intelligent Key to operate the vehicle. For information regarding the erasing procedure, it is recommended that you contact a Nissan Electric Vehicle certified dealer.

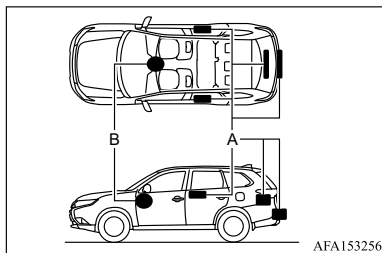
The Intelligent Key function can be disabled. For information about disabling the Intelligent Key function, it is recommended that you contact a Nissan Electric Vehicle certified dealer.

⚠ WARNING

● Individuals who use implantable pacemakers or implantable cardiovascular-defibrillators should keep away from the external and internal transmitters. The electromagnetic waves used in the Intelligent Key may affect the operation of implantable pacemakers and implantable cardiovascular-defibrillators.

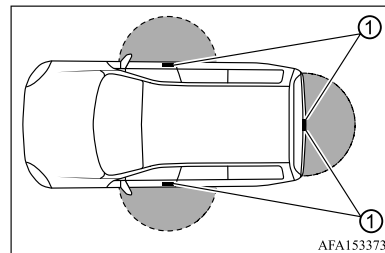
⚠ WARNING

● Individuals using other electro-medical apparatus besides implantable pacemakers and implantable cardiovascular-defibrillators should check with the manufacturer of the apparatus to confirm the effect of the electromagnetic waves used by the Intelligent Key. The electromagnetic waves may affect the operations of the electro-medical apparatus.



- A. LF antenna
- B. Push-button power switch (with built-in transmitter)

Intelligent Key operating range (models with request switch)



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

①

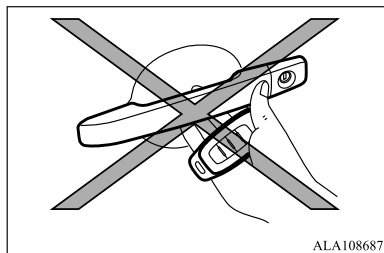
When the Intelligent Key battery is discharged or strong radio waves are present near the operating location, the Intelligent Key's operating range becomes narrower, and the Intelligent Key may not function properly.

The operating range is within 2.3 feet (70 cm) 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 liftgate.

Door locks/unlocks precaution (models with request switch)



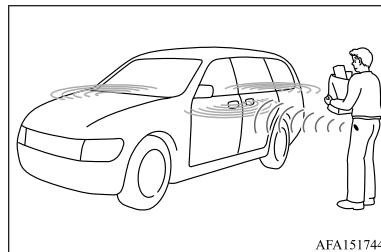
- Do not push the door handle request switch with the Intelligent Key held in your hand as illustrated. The close distance to the door handle will cause the Intelligent Key to have difficulty recognizing that the Intelligent Key is outside the vehicle.
- After locking with the door handle request switch, verify the doors are securely locked by testing them.
- 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.

NOTE

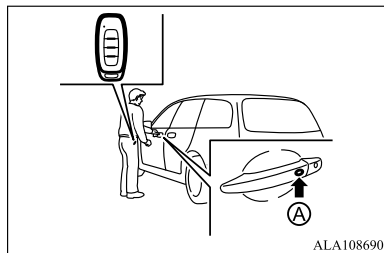
When "Unfold at Unlock" is selected in the Vehicle Settings of the vehicle information display:

On vehicles equipped with the outside mirror folding switch, the outside mirrors automatically retract or extend when all the doors and liftgate are locked or unlocked using the Intelligent Key function.

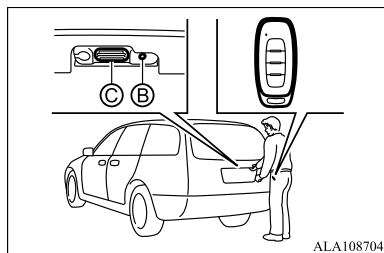
Intelligent Key operation



Example



Example



You can lock or unlock the doors without taking the key out from your pocket or bag.

When you carry the Intelligent Key with you, you can lock or unlock all doors by pushing the door handle request switch ① or

liftgate request switch ② within the range of operation.

When you lock or unlock the doors, the turn signal lights will flash and the outside chime will sound as a confirmation. For details, see "How to use remote keyless entry function" on page 275.

Welcome light function

When you unlock the doors or the liftgate, the parking lights and the tail lights will illuminate for a period of time. The welcome light function can be disabled. For information about disabling the welcome light function, refer to "Vehicle Settings" section under "Settings" on page 176.

Locking doors

1. Push the electrical parking switch to shift to the P (Park) position. place the push-button power switch in the OFF position and make sure you carry the Intelligent Key with you.
2. Close all doors.
3. Push any door handle request switch ① or the liftgate request switch ② while carrying the Intelligent Key with you.
4. All doors and the liftgate will lock.
5. The turn signal lights flash once and the outside chime sounds once.

**NOTE**

- Request switches for all doors and the liftgate can be deactivated when the Ext. Door Switch setting is turned off in the Vehicle Settings of the vehicle information display. For additional information, refer to "Vehicle Settings" section under "Settings" on page 176.
- Doors do not lock with the door handle request switch while the push-button power switch is not in the LOCK position.
- Doors do not lock with the door handle request switch with the Intelligent Key inside the vehicle and a beep sounds to warn you.

**CAUTION**

- After locking the doors using the request switch, make sure that the doors have been securely locked by operating the door handles.

**CAUTION**

- 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.

Unlocking doors

1. Push the door handle request switch  or the liftgate request switch  while carrying the Intelligent Key with you.
2. The turn signal lights flash twice and outside chime sounds twice. The corresponding door or the liftgate will unlock.
3. Push the request switch again within 2 seconds.
4. The turn signal lights flash twice and outside chime sounds twice again. All the doors and the liftgate will unlock.

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 push-button power switch.

During this 30 seconds time period, if the UNLOCK  button on the Intelligent Key is pushed, all doors will be locked automatically after another 30 seconds.

**NOTE**

The unlocking operation can be changed in selective unlock in the Vehicle Settings of the vehicle information display. For additional information about "Vehicle Settings", refer to "Settings" on page 176.

Opening liftgate

1. Carry the Intelligent Key.
2. Push the liftgate opener switch .
3. The liftgate will unlock and then open.

Battery saver system

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

- The push-button power switch is in the ON position. (See "Push-button power switch positions" on page 353.)
- All doors are closed, and
- The shift lever is in the P (Park) position.

Warnings and audible reminders

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 the warning display appears on the vehicle information display.

When a chime or beep sounds or the warning display appears, be sure to check the vehicle and Intelligent Key.

See "Troubleshooting guide" on page 273 and "Vehicle information display" on page 174.

Troubleshooting guide

NO7501000069

Verify the location of all Intelligent Keys that are programmed for the vehicle. If another Intelligent Key is in range or inside the vehicle, the vehicle system may respond differently than expected.

Symptom		Possible cause	Action to take
When stopping the Plug-in Hybrid system	The Shift to Park warning appears on the display and the inside warning chime sounds continuously.	The shift lever is not in the P (Park) position.	Push the electrical parking switch to shift to the P (Park) position.
When opening the driver's door to get out of the vehicle	The Door/liftgate open warning appears on the display.	The push-button power switch is in the ON position.	Place the push-button power switch in the OFF position.
When closing the door after getting out of the vehicle	The No Key Detected warning appears on the display, the outside chime sounds three times and the inside warning chime sounds three times.	The push-button power switch is in the ON position and the Plug-in Hybrid system is operating.	Place the push-button power switch in the OFF position.
	The red Shift to Park warning appears on the display and the inside chime sounds continuously.	The push-button power switch is in the ON position and the shift lever is not in the P (Park) position.	Push the electrical parking switch to shift to the P (Park) position and place the push-button power switch in the OFF position.

Intelligent Key system

Symptom		Possible cause	Action to take
When closing the door after getting out of the vehicle	The Rear Door Alert is activated message appears on the display, the horn sounds three times twice, or a Check Rear Seat warning appears on the display.	The Rear Door Alert is activated.	Check the back seat for all articles, clear the Rear Door Alert warning message by using the steering-wheel-mounted controls.
When closing the door with the inside lock knob pushed to LOCK	The outside chime sounds for approximately 3 seconds and all the doors unlock.	The Intelligent Key is inside the vehicle.	Carry the Intelligent Key with you.
When pushing the door handle request switch to lock the door	The outside chime sounds for approximately 3 seconds.	The Intelligent Key is inside the vehicle.	Carry the Intelligent Key with you.
When pushing the push-button power switch to start the Plug-in Hybrid system	The Key battery Low warning appears on the display.	The battery charge is low.	Replace the battery with a new one. (See "Intelligent Key battery replacement" on page 554.)
	The No Key Detected warning appears on the display.	The Intelligent Key is not in the vehicle.	Carry the Intelligent Key with you.
When pushing the push-button power switch	The Key System Error warning appears on the display.	It warns of a malfunction with the Intelligent Key.	It is recommended that you contact a Nissan Electric Vehicle certified dealer.

How to use remote keyless entry function

NO7501100086

WARNING

- Radio waves could adversely affect electric medical equipment. Those who use a pace-maker 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 FAA advises that the radio waves may affect aircraft navigation and communication systems. Do not operate the Intelligent Key while on an airplane. Make sure the buttons are not operated unintentionally when the unit is stored during a flight.

CAUTION

- Do not allow the Intelligent Key, which contains electrical components, to come into contact with water or salt water. This could affect the system function.

CAUTION

- Do not drop the Intelligent Key.
- Do not strike the Intelligent Key sharply against another object.
- Do not change or modify the Intelligent Key.
- Moisture may damage the Intelligent Key. If the Intelligent Key gets wet, immediately wipe until it is completely dry.
- If the outside temperature is below 14°F (-10°C) degrees, the battery of the Intelligent Key may not function properly.
- Do not place the Intelligent Key for an extended period in an area where temperatures exceed 140°F (60°C).
- Do not attach the Intelligent Key with a key holder that contains a magnet.
- Do not place the Intelligent Key near equipment that produces a magnetic field, such as a TV, audio equipment, personal computers or cellular phone.

NOTE

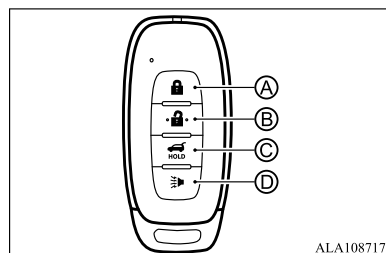
On vehicles equipped with the outside mirror folding switch, the outside mirrors automatically retract or extend when all the doors and lift-gate are locked or unlocked using the remote keyless entry function. This function can be deactivated. For additional information about "Vehicle Settings", refer to "Settings" on page 176.

The remote keyless entry function can operate all door locks using the remote keyless entry function of the Intelligent Key. The remote keyless entry function can operate at a distance of approximately 40 ft (12 m) from the vehicle. (The operating distance depends upon the conditions around the vehicle.) The remote keyless entry function will not operate:

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

Intelligent Key system

The remote keyless entry function can also operate the vehicle alarm.



- Ⓐ LOCK button
- Ⓑ UNLOCK button
- Ⓒ Power liftgate button
- Ⓓ PANIC button

When you lock or unlock the doors or the liftgate, the turn signal lights will flash and the horn (or the outside chime) will sound as a confirmation. For details, see "Setting turn signal lights and horn mode" on page 278.

Locking doors

1. Place the push-button power switch in the OFF position.
2. Carry the Intelligent Key with you.*
3. Close all the doors.
4. Push the LOCK button Ⓐ on the Intelligent Key.
5. All the doors and the liftgate will lock.
6. The turn signal lights flash once and the horn chirps once.

*: Doors will not lock with the Intelligent Key while the push-button power switch is in the ON position.

Operate the door handles to confirm that the doors have been securely locked.

Unlocking doors

1. Push the UNLOCK button Ⓑ on the Intelligent Key once.

2. The turn signal lights flash twice. The driver's door will unlock.
3. Push the UNLOCK button again within 2 seconds.
4. The turn signal lights flash twice. All the doors and the liftgate will unlock.

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

- Opening any door (including the liftgate).
- Pushing the push-button power switch.

During this 30 seconds time period, if the UNLOCK button is pushed, all doors will be locked automatically after another 30 seconds.

**NOTE**

The unlocking operation can be changed in selective unlock in the Vehicle Settings of the vehicle information display. For additional information about "Vehicle Settings", refer to "Settings" on page 176.

Opening/closing liftgate

1. Push the power liftgate button © for more than 1 second.
2. The liftgate will automatically open.

The outside chime sounds 3 times.

To close the liftgate, push the power liftgate button for more than 1 second.

The liftgate will automatically close. The outside chime sounds 3 times.

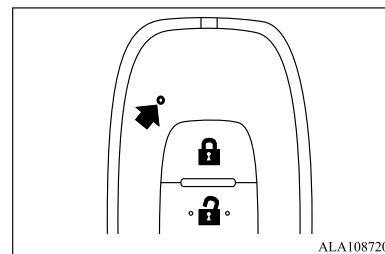
If the button is pushed while the liftgate is being opened or closed, the liftgate will reverse.

Using panic alarm

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

1. Push the PANIC button © on the Intelligent Key for **more than 1 second**.
2. The theft warning alarm and headlights will stay on for 30 seconds.
3. The panic alarm stops when:
 - It has run for 30 seconds, or
 - Any of the buttons on the Intelligent Key is pushed. (Note: the PANIC button must be pushed for more than 1 second.)
 - The push-button power switch is placed in the ON position.

Intelligent Key button operation light



The light blinks only when you push any button on the Intelligent Key. The light illumination only signifies that the Intelligent Key has transmitted a signal. You may look and/or listen to verify that the vehicle has performed the intended operation. If the light does not blink, your battery may be too weak to communicate to the vehicle. If this occurs, the battery may need to be replaced.

For additional information regarding the replacement of a

Intelligent Key system

battery, see "Intelligent Key battery replacement" on page 554.

Setting turn signal lights and horn mode

This vehicle is set in turn signal lights and horn mode when you first receive the vehicle.

In turn signal lights and horn mode, when the LOCK  button  is pushed, the turn signal lights flash once and the horn chirps once. When the UNLOCK  button  is pushed, the turn signal lights flash twice. If horns are not necessary, the system can be switched to the turn signal lights mode.

In turn signal lights mode, when the LOCK  button is pushed, the turn signal lights flash once. When the UNLOCK  button is pushed, the turn signal lights flash twice.

■ Turn signal lights and horn mode

Operation	DOOR LOCK	DOOR UNLOCK
Pushing door handle request switch or liftgate request switch	TURN SIGNAL LIGHTS - once OUTSIDE CHIME - once	TURN SIGNAL LIGHTS - twice OUTSIDE CHIME - twice
Pushing  or  button	TURN SIGNAL LIGHTS - once HORN - once	TURN SIGNAL LIGHTS - twice OUTSIDE CHIME - none

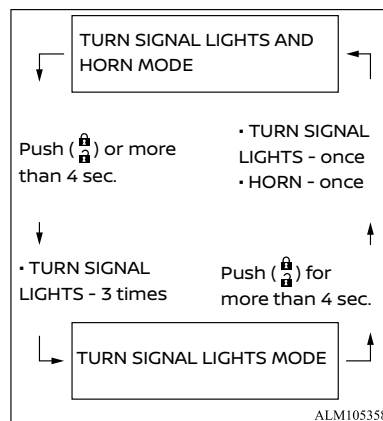
■ Turn signal lights mode

Operation	DOOR LOCK	DOOR UNLOCK
Pushing door handle request switch or liftgate request switch	TURN SIGNAL LIGHTS - once OUTSIDE CHIME - none	TURN SIGNAL LIGHTS - none OUTSIDE CHIME - none
Pushing  or  button	TURN SIGNAL LIGHTS - once HORN - none	TURN SIGNAL LIGHTS - none OUTSIDE CHIME - none

■ Switching procedure

To switch the turn signal lights and horn (chime) operation, push the LOCK  Ⓐ and UNLOCK  Ⓑ buttons on the Intelligent Key simultaneously for more than 4 seconds.

- When the turn signal lights mode is set, the turn signal lights flash 3 times.
- When the turn signal lights and horn mode is set, the turn signal lights flash once and the horn chirps once.



The horn operation can also be turned on or off in the vehicle information display. For additional information about "Vehicle

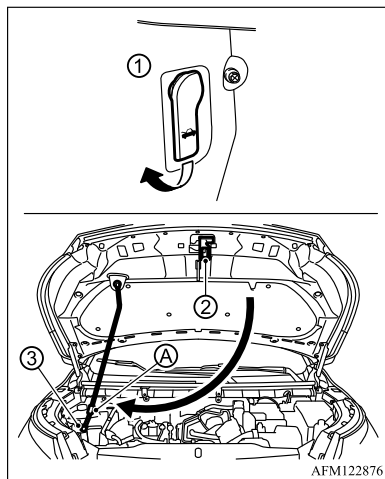
Settings", refer to "Settings" on page 176.

Hood

N07501200074

⚠ WARNING

- Make sure the hood is completely closed and latched before driving. Failure to do so could cause the hood to fly open and result in an accident.
- Never open the hood if steam or smoke is coming from the engine compartment to avoid injury.



1. Pull the hood lock release handle ① located below the driver's side instrument panel; the hood springs up slightly.
2. Push the lever ② underneath the front of the hood upwards as illustrated with your fingertips.
3. Raise the hood.
4. Remove the support rod and insert it into the slot ③.

Hold the coated part ④ when removing or resetting the support rod. Avoid direct contact with the metal parts, as they may be hot immediately after the Plug-in Hybrid system has been stopped.

When closing the hood:

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

Liftgate

NO7501300062

⚠ WARNING

- Always be sure the liftgate has been closed securely to prevent it from opening while driving.

⚠ WARNING

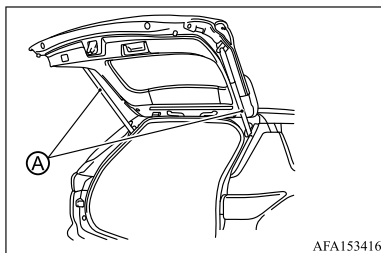
- Do not drive with the liftgate open. This could allow dangerous exhaust gases to be drawn into the vehicle. For additional information, refer to "Exhaust gas (carbon monoxide)" on page 340.
- To help avoid risk of injury or death through unintended operation of the vehicle and or its systems, including 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.
- Always be sure that hands and feet are clear of the door frame to avoid injury while closing the liftgate.

⚠ WARNING

- When there is a build up of snow or ice, it should be removed before opening the liftgate. If you open the liftgate without removing it, there is a possibility that the liftgate may close suddenly due to the weight of that snow or ice.
- When you open the liftgate make sure that the liftgate is opened fully and remains fully open. If you only open the liftgate halfway, there is a risk that the liftgate may drop and slam shut. If you open the liftgate while your vehicle is parked on an incline, it is more difficult to do so than on the flat and also it may suddenly open or drop and slam shut. When using the height memory of the power liftgate, the liftgate will open only to the set position.
- Always be sure that hands and feet are clear of the door frame to avoid injury while closing the liftgate.

⚠ CAUTION

Do not use accessory carriers that attach to the liftgate. Doing so will cause damage to the vehicle.

**📖 NOTE**

Gas struts ① are installed to support the liftgate.

To prevent damage or faulty operation:

- Do not hold the gas struts when closing the liftgate.
- Also do not push or pull the gas struts.
- Do not attach any plastic material, tape, etc., to the gas struts.
- Do not tie string, etc., around the gas struts.

📖 NOTE

- Do not hang any object on the gas struts.

Operating power liftgate

NO7501400050

⚠ WARNING

Make sure the power liftgate is completely open before loading and unloading luggage.

⚠ CAUTION

Do not apply excessive force on the power liftgate when opening or closing it. Doing so could cause a breakdown.

📖 NOTE

- The power liftgate does not operate normally under the following conditions:
 - When parked on a steep incline
 - In strong winds
 - When the power liftgate is covered with snow

NOTE

- If the battery of fuse is replaced while the power liftgate is open, it cannot be closed automatically. In this case, close the power liftgate manually.

To operate the power liftgate, the vehicle must be in the "P" (Park) position.

The power liftgate will not operate if the battery voltage is low.

How to turn on/off the power liftgate

The power liftgate operation can be turned on or off in the vehicle information display.

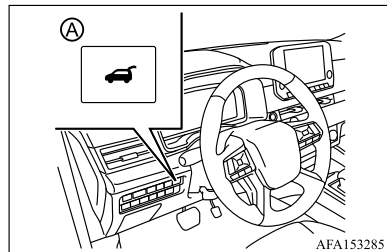
When the power liftgate is turned off, power operation is not available. When pushing the power liftgate button on the Intelligent Key, only the liftgate latch is released.

NOTE

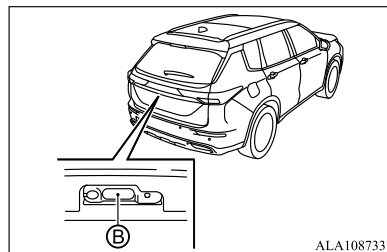
- For models with power liftgate (with hands-free access): When washing, waxing or maintaining your vehicle, placing or replacing the body cover, or splashing water to the area around the kick motion sensor, turn off the power liftgate.
- If the power open or close operation is performed consecutively, the safety mode activates and the operation cannot be performed for a certain period of time. In this case, wait for a while and then perform the operation.

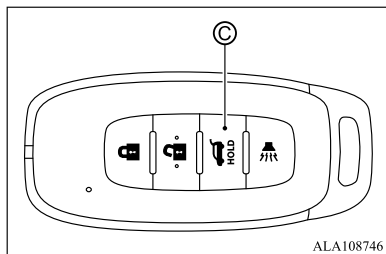
Power open (using switches)

Power liftgate switch — Instrument panel

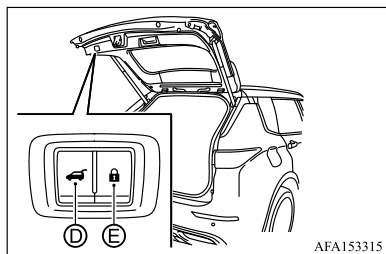


Liftgate opener switch



Power liftgate button - Key

ALA108746

Power liftgate close switch and close and lock switch – Liftgate

AFA153315

When the liftgate is fully closed, the liftgate will fully open automatically by:

- pushing the power liftgate switch ① on the instrument panel for more than 1 second
- pushing the liftgate opener switch ②
- pushing the power liftgate button ③ on the key for more than 1 second

The outside chime sounds 3 times.

NOTE

The liftgate can be opened by the power liftgate switch ①, liftgate opener switch ② or the power liftgate button ③ even if the liftgate is locked. The liftgate can be unlocked and opened independently of the other doors, even when they are locked.

Power close

When the liftgate is fully opened, the liftgate will fully close automatically by:

- pushing the power liftgate switch ① on the instrument panel
- pushing the power liftgate button ③ on the key for more than 1 second
- pushing the power liftgate close switch ④ on the lower part of the liftgate

The outside chime sounds 3 times when the liftgate starts closing.

Power close and lock

When the liftgate is opened, the liftgate will fully close and lock automatically by pushing the power liftgate close and lock switch ⑤ on the lower part of the liftgate.

The turn signal lights flash 2 times and the outside chime sounds when the liftgate starts closing.

Stop and reverse function

The power liftgate will stop immediately if one of the following actions is performed during power open or close.

- pushing the power liftgate switch Ⓐ
- pushing the liftgate opener switch Ⓑ
- pushing the power liftgate close switch Ⓒ on the lower part of the liftgate
- pushing the power liftgate button Ⓓ on the key
- the kick motion sensor detects a kicking motion (See “Motion-activated liftgate” on page 285.)

And then the power liftgate will move in the reverse direction if one of the above actions is performed again.

The outside chime sounds when the liftgate starts to reverse.

Auto reverse function

The auto-reverse function enables the liftgate to automatically reverse when something is caught in the liftgate as it is opening or closing. When the control unit detects an obstacle, the liftgate will reverse and return to the full open or full close position.

If a second obstacle is detected, the liftgate motion will stop. The liftgate will enter the manual mode.

A pinch sensor is mounted on each side of the liftgate. If an obstacle is detected by the pinch sensor during power close, the liftgate will reverse and return to the full open position immediately.

NOTE

If the pinch sensor is damaged or removed, the power close function will not operate.

WARNING

There is a small distance immediately before the closed position that cannot be detected. Make sure that all passengers keep their hands, etc., clear from the liftgate opening before closing the liftgate.

CAUTION

- The safety mechanism will sometimes not operate depending on the condition of the trapped object or how it is trapped. Therefore, be especially careful not to trap a hand, part of your body or an object.
- If the safety mechanism is repeatedly activated, the liftgate could be switched to manual operation. Once the power liftgate is fully opened or closed, normal automatic operation is possible again.

Manual mode

If power operation is not available, the liftgate can be operated

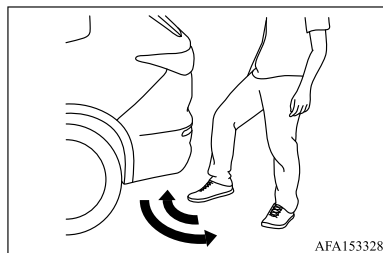
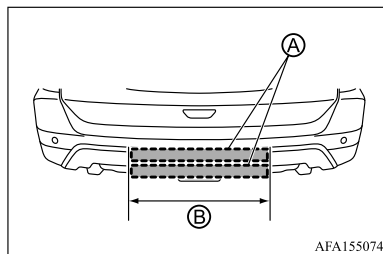
manually. Power operation may not be available if multiple obstacles have been detected in a single power cycle or if the battery voltage is low. When the power liftgate is turned off, the liftgate can be opened manually by pushing the liftgate opener switch. If the power liftgate opener switch is pushed during power open or close, the power operation will be canceled and the liftgate can be operated manually.

Motion-activated liftgate

N07501500064

WARNING

When towing a trailer, turn off the power liftgate to avoid activation of the liftgate by unintentional detection of the trailer harness or other components.



The kick motion sensor **A**, located on the back of the rear bumper, enables you to open or close the liftgate in hands-free. When you move your foot under and away from the operating range **B** similarly to a kicking motion, the liftgate will open or close automatically.

In the kicking motion, quickly move your foot forward, as close to the bumper as possible, and then pull back toward the rear of the vehicle.

NOTE

- The kick motion sensor may not function under the following conditions:
 - When operating near a location where strong radio waves are transmitted, such as a TV tower, power station, electric vehicle charging station or broadcasting station.
 - When the vehicle is parked near a parking meter.
 - When wearing a material that hardly conduct electricity, such as rubber boots.
 - When water adheres to the rear bumper by washing, rain, etc.
 - When your foot is moved laterally (side to side).
 - If you move your foot repeatedly.
- The power liftgate may not operate when your foot remains in operating range after performing the kick motion.

NOTE

- The kick motion sensor function may not detect a kicking motion underneath a tow-bar, however the normal functionality is retained either side of the tow-bar.
- When washing, waxing or maintaining your vehicle, placing or replacing the body cover, or splashing water to the area around the kick motion sensor, turn off the power liftgate.
- When lots of water splashes the rear bumper by such as heavy rain, etc. Or do not carry the Intelligent Key within the operating range during this time.

CAUTION

- If the hands-free access remains on, you may be injured due to a sudden operating of the power liftgate resulting from a possible reaction of the kick motion sensor. Refer to "Operating power liftgate" on page 281.

CAUTION

- When the Intelligent Key is carried with you near the liftgate, even someone, who does not carry the Intelligent Key, may be able to open or close the liftgate with a kick motion.
- Prevent your foot from touching the rear bumper during a kicking motion. Otherwise, the rear bumper and the kick motion sensor may be damaged and you may injure yourself.
- Do not perform a kick motion near the exhaust system components while they are hot. You may severely burn yourself.
- Do not perform a kick motion on an unstable place (for example, on a slope or a muddy ground, etc.).

Power open or close function

The liftgate will fully open automatically using the kick motion sensor.

1. Carry the Intelligent Key.

2. Move your foot under and away from the rear bumper similarly to a kicking motion within the operation range of the kick motion sensor.
3. The liftgate will automatically open or close.

Stop and reverse function

The power liftgate will stop immediately if a kick motion is performed during power open or close.

And then the power liftgate will move in the reverse direction if a kick motion is performed again. The power liftgate can be reversed when you carry the Intelligent Key.

Liftgate easy closer

N07501600078

If the liftgate is pulled down to a partly open position, the liftgate will pull itself to the closed position.

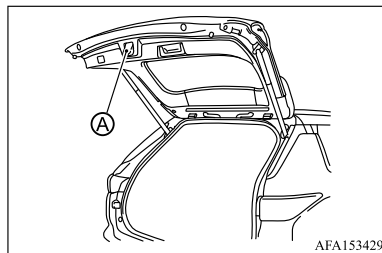
Do not apply excessive force when the auto closure is operating. Excessive force applied may cause the mechanism to malfunction.

⚠ WARNING

To avoid injury, keep hands and fingers clear of the power liftgate during auto closure. If there is a risk of entrapment, press the power liftgate switch or use the hands-free access feature to stop and reverse the door to the ajar position.

⚠ CAUTION

- The liftgate will automatically close from a partly open position. To avoid pinching, keep hands and fingers away from liftgate opening.
- Do not let children operate the liftgate.



AFA153429

⚠ CAUTION

- Do not touch the latch (A) on the inside of the power liftgate. Otherwise, your fingers could become trapped in the latch when the liftgate easy closer operates.
- The liftgate easy closer operates even when the automatic operation of the power liftgate is set to OFF. Therefore, be especially careful not to trap a hand or finger at this time.

Liftgate release lever

N07501700082

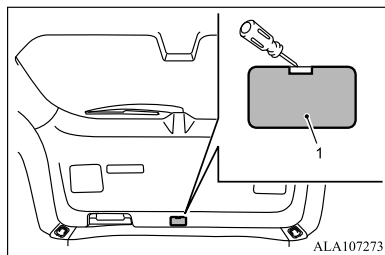
⚠ WARNING

Always keep the release lever lid on the liftgate closed when driving so that your luggage cannot accidentally bump the lever and open the liftgate.

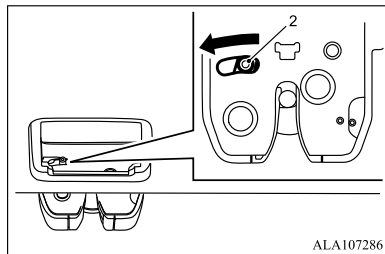
If the liftgate cannot be opened with (A), (B) or (C) switch (see "Operating power liftgate" on page 281), due to a discharged battery, follow these steps.

1. Fold the 3rd row seats down. See "3rd row seats" on page 83.
2. Using a suitable tool such as flat-blade screwdriver to open the lid (1), then insert the tool in the access opening.

Fuel filler door



3. Move the release lever (2) to the left using a suitable tool. The liftgate will be unlatched.



4. Push the liftgate up to open.

It is recommended you consult a Nissan Electric Vehicle certified dealer as soon as possible for repair.

Height memory function

N07501800083

The liftgate can be set to open to a specific height by performing the following:

1. Open the liftgate.
2. Pull the liftgate down to the desired position and hold the liftgate (the liftgate will have some resistance when being manually adjusted).
3. While holding the liftgate in position, press and hold the power liftgate close switch  located on the liftgate for approximately 3 seconds or until 2 beeps are heard.

The liftgate will open to the selected position setting. To change the position of the liftgate, repeat steps 1-3 for setting the position of the liftgate.

CAUTION

Do not set the height of the liftgate below approximately 55 in (1,400 mm) from the floor using height memory function. Even if you set the height below approximately 55 in (1,400 mm) from the floor, the height will automatically be set to approximately 55 in (1,400 mm) from the floor.

Fuel filler door

N07501900084

WARNING

- When handling fuel, comply with the safety regulations displayed by garages and filling stations.
- Gasoline is highly flammable and explosive. You could be burned or seriously injured when handling it. When refueling your vehicle, always put the operation mode of the push-button power switch in OFF and keep away from flames, sparks, and smoking materials. Always handle fuel in well-ventilated outdoor areas.

⚠ WARNING

- Before removing the fuel cap, be sure to get rid of your body's static electricity by touching a metal part of the car or fuel pump. Any static electricity on your body could create a spark that ignites fuel vapor.
- Perform the whole refueling process (opening the fuel filler door, removing the fuel cap, etc.) by yourself. Do not let any other person come near the fuel filler. If you allowed a person to help you and that person was carrying static electricity, fuel vapor could be ignited.
- Never perform charging and refueling at the same time. If you charged with static electricity, fuel vapor could be ignited by the discharge spark.
- Do not move away from the fuel tank filler until refueling is finished. If you moved away and did something else (for example, sitting on a seat) part-way through the refueling process, you could pick up a fresh charge of static electricity.

⚠ WARNING

- Be careful not to inhale fuel vapor. Fuel contains toxic substances.
- Keep the doors and windows closed while refueling the vehicle. If left open, fuel vapor could get into the cabin.
- If the tank cap must be replaced, use only a genuine NISSAN part.

⚠ CAUTION

The fuel in the fuel tank may not be consumed and it may stagnate for a long time depending on the use situation of the vehicle, the quality of fuel may change, and it may have a bad influence on the engine or the parts of a fuel system. Observe the following instructions for prevention.

- Activate the battery charge mode in order to start the engine within 3 months at once. Refer to "CHARGE mode" on page 373.

⚠ CAUTION

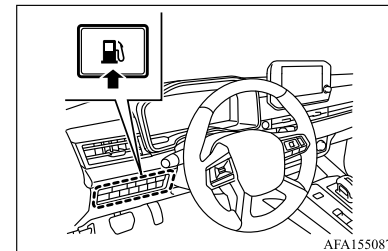
- To maintain fuel quality, refill at least 5.3 gallons (20 liters) of fuel at once within 3 months. If the fuel gauge shows less than half a tank, refueling at that time will ensure you can add the required amount. Refer to "Fuel gauge" on page 158.

Fuel tank capacity

14.8 gal (56 liters)

Refueling

1. Before refueling, put the operation mode of the push-button power switch in OFF to stop the Plug-in Hybrid system.

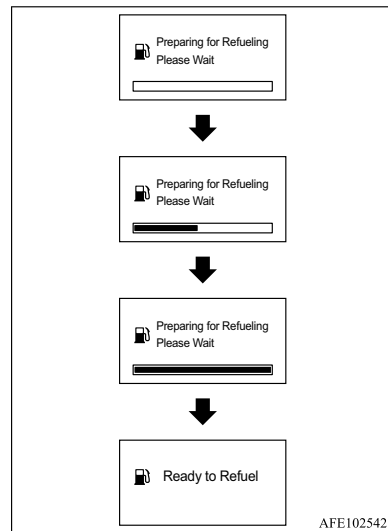


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Fuel filler door

2. The fuel filler door is located on the rear left side of your vehicle.

The fuel filler door can be opened from inside the vehicle by pressing the fuel filler door opener switch located on the instrument panel.



3. The internal pressure of the fuel tank will automatically be released to prevent fuel overflowing from the fuel filler.

Before opening the fuel cap, wait until "READY TO REFUEL" is displayed on the information screen in the vehicle information display. If the internal pressure is high, it may take several tens of seconds.

For additional information about "Preparing for Refueling display" and "Ready to Refuel display" indicators on vehicle information display, refer to "Vehicle information display warnings and indicators" on page 187.

⚠ WARNING

If a problem occurs related to the system for releasing the internal pressure of the fuel tank, a warning will be displayed on the information screen in the vehicle information display and the fuel filler door cannot be opened.

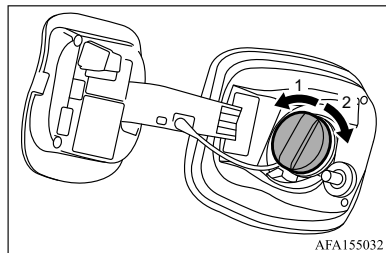
⚠ WARNING

Have your vehicle inspected immediately. It is recommended you visit a Nissan Electric Vehicle certified dealer.

For additional information about "Refueling System Requires Service" warning on vehicle information display, refer to "Vehicle information display warnings and indicators" on page 187.

📖 NOTE

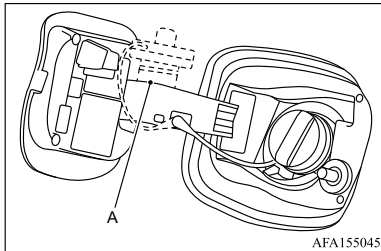
If the 12 V starter battery is weak or discharged, the function to release the internal pressure of the fuel tank is disabled and the fuel filler door cannot be opened.



- 1- Remove
- 2- Close
4. Open the fuel filler pipe by slowly turning the fuel cap counterclockwise.

⚠ WARNING

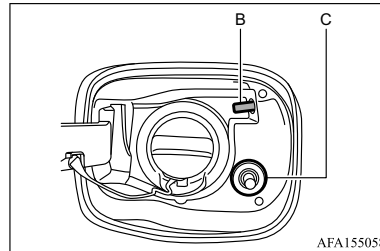
Since the fuel system may be under pressure, remove the fuel cap slowly. This relieves any pressure or vacuum that might have built up in the fuel tank. If the cap is venting vapor or if you hear a hissing sound, wait until the sound stops before removing the cap. Otherwise, fuel may spray out, injuring you or others.



📖 NOTE

While filling with fuel, put the fuel cap on the stay (A) located on the inside surface of the fuel filler door.

5. Fueling correctly depends mainly on correct handling of the fuel filler nozzle. Do not tilt the nozzle. Insert the nozzle in the fuel filler port as far as it goes.



⚠ CAUTION

- Do not tilt the gun.
- Do not press the pin (B) while refueling. Fuel may blow back from the refueling port.

⚠ CAUTION

- Never press the actuator (C) when the fuel filler door is opened. If the actuator (C) is pressed, the fuel filler door can not be closed. If you pressed the actuator (C), press the fuel filler door opener switch.
- Your vehicle can only be operated using unleaded gasoline. Serious engine and catalytic converter damage will result if leaded gasoline is filled into these vehicles, and consequently, this must never be attempted.

6. When the gun stops automatically, do not fill with fuel any more.

⚠ CAUTION

- To avoid overfilling and fuel spillage, do not top-off the fuel tank. Overfilling have risk of fuel leakage. Especially overfilling risk become high if refueling by low flow rate.

CAUTION

- To avoid fuel spillage and overfilling, do not "top-off/overfill" the fuel tank. Spilled fuel could discolor, stain, or crack the vehicle's paintwork. If fuel spills on the paintwork, wipe it off with a soft cloth.
- Refueling should be completed within 30 minutes after pressing the fuel filler door opener switch. After 30 minutes, the refueling system for releasing the internal pressure of the fuel tank will be disabled. Close the fuel cap and fuel filler door once. To prevent the fuel from overflowing, press the fuel filler door opener switch again to reactivate the refueling system.

7.To close, turn the fuel cap slowly clockwise until you hear a clicking sound, then gently push the fuel filler door closed.

WARNING

Make sure the fuel cap is securely closed. If the fuel cap were loose, fuel could leak, resulting in a fire.

NOTE

If you drive with the fuel filler door left open, warning display is displayed on the information screen in the vehicle information display. For additional information about "Close Fuel Lid & Cap" warning on vehicle information display, refer to "Vehicle information display warnings and indicators" on page 187.

If the fuel filler door cannot be opened

If the fuel filler door cannot be unlocked, perform the following procedure.

To open the fuel filler door, the manual fuel filler door release lever inside of the interior trim cover can be used.

WARNING

Never use the manual fuel filler door release lever unless the fuel door cannot be opened by operating the fuel filler door opener switch.

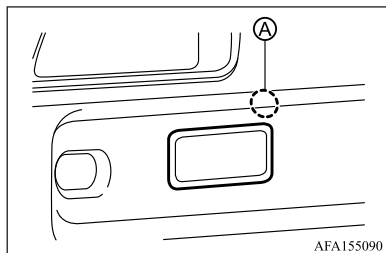
WARNING

If the fuel filler door is opened using the manual fuel filler door release lever, the internal pressure of the fuel tank will not automatically be released. To avoid the fuel overflowing from the fuel filler, remove the fuel tank filler cap slowly to gradually release the internal pressure of the fuel tank and refuel with a lower flow rate.

CAUTION

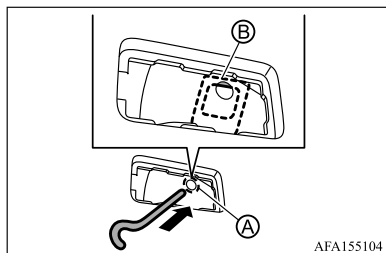
If the cover is left open, luggage can accidentally contact the manual fuel filler door release lever and the fuel filler door can open.

To open the fuel filler door manually



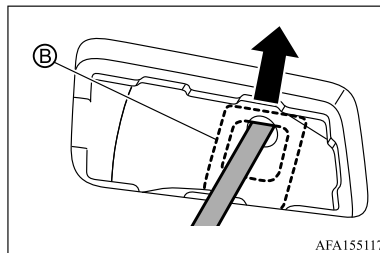
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1. Remove the cover by inserting a flat-blade screwdriver with a cloth on the tip into the notch on the cover, on the left side of the luggage room. Check the location of the panel hole ①.



AFA155104

2. View the inside of the lining from below. Insert a suitable tool into the hole of the yellow rod ② that can be seen behind the panel hole ①.



AFA155117

3. Then pull up the yellow rod ② by the suitable tool to release the lock of the fuel filler door.

⚠ WARNING

This procedure is just an emergency measure in case of failure. Do not use it under normal conditions as it may cause a malfunction.

When doing this, do not turn the fuel filler cap abruptly.

⚠ WARNING

Since the internal pressure of the fuel tank is not automatically released, sudden rotation of the fuel filler cap may cause fuel to overflow from the fuel filler.

📖 NOTE

After operating the rod, close the cover. If it left open, luggage may hit the rod and the fuel filler door may accidentally open.



Close Fuel Lid & Cap

AFA155061

Tilt/telescopic steering

NOTE

- When this procedure has been done, the warning message may be displayed on the vehicle information display.
The warning message will go off when;
 - Several ten seconds after the vehicle is driven with closing the fuel filler door; or
 - Approximately 30 minutes after the manual fuel filler door release rod is operated.
- If you perform this operation, have your vehicle inspected immediately, as it may cause a malfunction of the fuel filler door opener. It is recommended you visit a Nissan Electric Vehicle certified dealer.

Tilt/telescopic steering

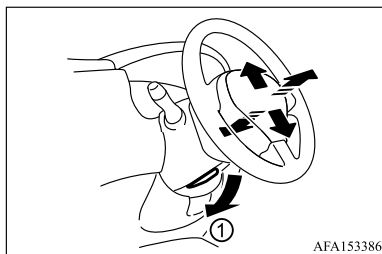
N07502000024

WARNING

Do not adjust the steering wheel while driving. You could lose control of your vehicle and cause an accident.

Tilt or telescopic operation

N07502100038

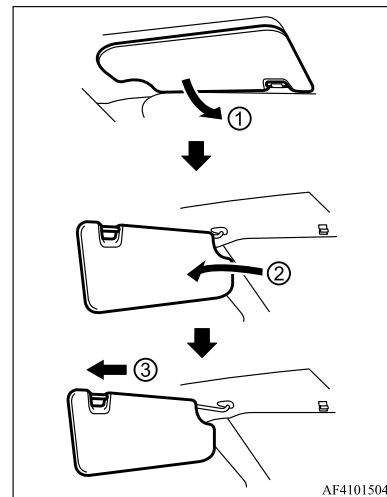


Pull the lock lever ① down and adjust the steering wheel up, down, forward or rearward to the desired position. Push the lock

lever up securely to lock the steering wheel in place.

Sun visors

N07502200068



1. To block glare from the front, swing down the sun visor ①.

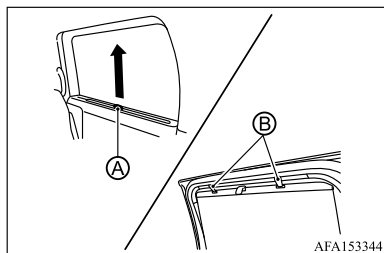
2. To block glare from the side, remove the sun visor from the center mount and swing it to the side ②.
3. Slide the sun visor ③ in or out as needed.

⚠ CAUTION

- Do not store the sun visor before returning the extension to its original position.
- Do not forcefully pull the sun visor down.

Pull-up type sunshade (rear door) (if so equipped)

N07502300030



⚠ CAUTION

- Do not pull the sunshade in any direction other than upward. Doing so may damage the sunshade.
- Do not release the knob ① when pulling up or storing the sunshade. The sunshade rolls down rapidly and if the knob is released your finger may get pinched between the sunshade and window opening.
- Do not drive the vehicle with the windows open when using the sunshade. Otherwise, an injury could occur if a gust of wind hits the shade when it is unhooked, or the shading parts may get wrinkled.

The pull-up type sunshades are equipped on the rear seat windows.

To raise the sunshade, pull the knob ① up and push the knob into the hook ②.

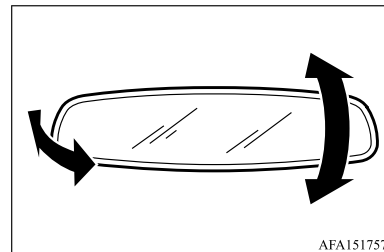
To store the sunshade, remove the sunshade from the hooks and lower it.

Mirrors

N07502400028

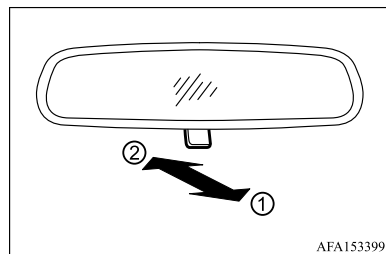
Inside mirror

N07502500074



It is possible to move the mirror up/down and left/right to adjust its position.

Manual anti-glare type (if so equipped)



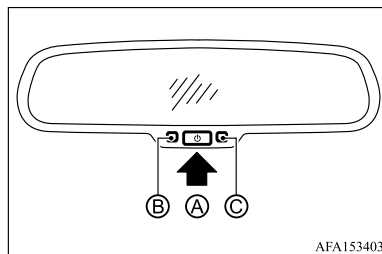
The night position ① will reduce glare from the headlights of vehicles behind you at night.

Use the day position ② when driving in daylight hours.

⚠ WARNING

Use the night position only when necessary, because it reduces rear view clarity.

Automatic anti-glare type (if so equipped)



The inside mirror is designed so that it automatically changes reflection according to the intensity of the headlights of the following vehicle.

The dimming system will be automatically turned on when the push-button power switch is placed in the ON position.

When the dimming system is turned on, the indicator light ⑥ will illuminate and excessive glare from the headlights of the vehicle behind you will be reduced.

Push the ⏻ switch ⑥ to make the inside rearview mirror operate normally. The indicator light will turn off. Push the ⏻ switch again to turn the system on.

Do not hang any objects on the mirror or apply glass cleaner. Doing so will reduce the sensitivity of the sensor ⑥, resulting in improper operation.

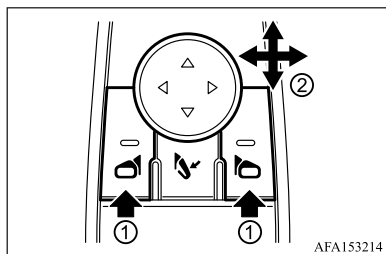
Outside mirrors

N07502600075

⚠ WARNING

Objects viewed in the outside mirror on the passenger side are closer than they appear. Be careful when moving to the right. Using only this mirror could cause an accident. Use the inside mirror or glance over your shoulder to properly judge distances to other objects.

Adjusting outside mirrors



The outside mirror control switch is located on the driver's armrest. The outside mirror will operate only when the push-button power switch is in the Auto ACC or ON position. Push the right or left outside mirror switch to select the right or left side mirror ①, then adjust ② using the control switch.

Defrosting outside mirrors

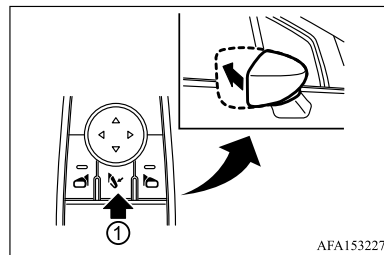
The outside mirrors will be heated when the rear window defroster

switch is operated. (See "Rear window and outside mirror defroster switch" on page 226.)

Foldable outside mirrors

CAUTION

- Do not drive with the mirrors stored. You will be unable to see behind the vehicle.
- If the mirrors were folded or unfolded by hand, there is a chance that the mirror will move forward or backward during driving. If the mirrors were folded or unfolded by hand, be sure to adjust them again electrically before driving.



The outside mirror remote control operates when the push-button power switch is in the Auto ACC or ON position.

To fold the outside mirrors, push the outside mirror folding switch ①. To unfold, push the switch again.

The mirrors automatically retract or extend when the doors are locked or unlocked using the key buttons or the Intelligent Key operation.

This function can be deactivated. For additional information about "Vehicle Settings", refer to "Settings" on page 176.

If mirrors are manually operated or bumped, the mirror body can become loose at the pivot point. To correct electronic mirror operation, cycle the mirrors by pushing the outside mirror folding switch until the mirrors are in the open position.

NOTE

- Be careful not to get your hands trapped while a mirror is moving.

 NOTE

- If you move a mirror by hand or it moves after hitting a person or object, you may not be able to return it to its original position using the outside mirror folding switch. If this happens, push the outside mirror folding switch to place the mirror in its folded position and then push the switch again to return the mirror to its original position.
- When the push-button power switch is in the OFF position, the outside mirror may not move when you push the outside mirror folding switch. In that case, place the push-button power switch in the ON position then push the switch again.
- When freezing has occurred and mirrors fail to operate as intended, please refrain from repeated pushing of the outside mirror folding switch as this action can result in burn-out of the mirror motor circuits.

Folding and unfolding the mirrors without using the outside mirror folding switch (automatic extension function)

This function can be deactivated. For additional information about "Vehicle Settings", refer to "Settings" on page 176.

- The outside mirrors automatically fold when the push-button power switch is placed in the OFF position, and unfold when the push-button power switch is placed in the ON position.
- The auto fold feature for the outside mirrors is disabled.

Reverse auto tilt function (if so equipped)

When backing up the vehicle, the right or left outside mirrors will

turn downward automatically to provide better rear visibility.

1. Place the push-button power switch in the ON position.
2. Move the shift lever to the R (Reverse) position.
3. Choose the right or left outside mirror by operating the outside mirror control switch.
4. The outside mirror surface moves downward.

The outside mirror surface can be adjusted and stored when the reverse auto tilt function is activated. (See "Adjusting outside mirrors" on page 297.)

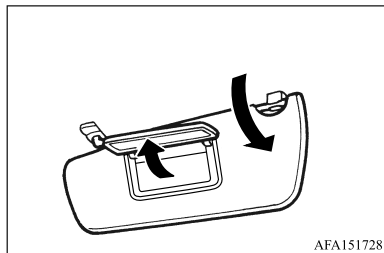
When one of the following conditions has occurred, the outside mirror surfaces will return to their original positions.

- Push the right or left outside mirror control switch again.
- The shift lever is moved to any position other than R (Reverse) and the vehicle speed exceeds 5 MPH (8 km/h).

- After 9 seconds have passed since the shift lever is moved to any position other than R (Reverse).
- The push-button power switch is placed in the OFF position.

Vanity mirror

N07502700050

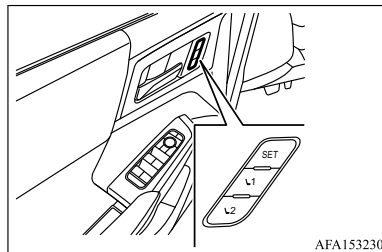


AFA151728

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

Memory seat (if so equipped)

N07502800035



AFA153230

The memory seat has two features:

- Memory storage function
- Entry/exit function (driver's seat only)

Memory storage function

N07502900036

Two positions for the front seats and outside mirrors can be stored in the personal memory. Follow these procedures to use the memory system.

Memory seat (if so equipped)

Some models do not have a memory function for the outside mirrors.

1. Adjust the front seats and outside mirrors to the desired positions by manually operating each adjusting switch. For additional information, refer to "Seats" on page 76 and "Outside mirrors" on page 296.
2. Push the SET switch and, within 5 seconds, push the memory switch (1 or 2).
3. The indicator light for the pushed memory switch will come on and stay on for approximately 5 seconds.
4. The chime will sound if the memory has been stored.

NOTE

If a new memory position is stored in the same memory switch, the previous memory position will be overwritten by the new stored position.

Confirming memory storage

Push the SET switch. If a memory position has not been stored in the switch (1 or 2) the indicator light for the respective switch will come ON for approximately 0.5 seconds. If a memory position has been stored in the switch (1 or 2) then the indicator light for the respective switch will stay ON for approximately 5 seconds.

Recalling switch memory positions

To recall the manually stored positions, push the memory switch (1 or 2). The front seats and the outside mirrors will move to the positions stored in the memory switch.

Linking log-in function to a stored memory position

The log-in function can be linked to a stored memory position with the following procedure.

1. Place the push-button power switch in the ON position while carrying the Intelligent Key that was registered to the vehicle with a log-in function.

NOTE

Make sure the Intelligent Key is far apart. Otherwise, the vehicle may detect the wrong Intelligent Key.

2. Adjust the position of the front seats and outside mirrors. (See "Seats" on page 76 and "Outside mirrors" on page 296.)
3. Place the push-button power switch in the OFF position.

NOTE

- See the separate NissanConnect® Owner's Manual for the following operations.
- The next time you log in (selecting the user on the display) after placing the push-button power switch in the ON position while carrying the Intelligent Key, the system will automatically adjust to the memorized driving position.
- Each Intelligent Key can be linked to a stored memory position with the NissanConnect® System.

Entry/Exit function (driver's seat only)

N07503000034

This system is designed so that the driver's seat will automatically move when the shift lever is in the P (Park) position. This allows the driver to get into and out of the driver's seat more easily. The driver's seat will slide backward:

- When the driver's door is opened with the push-button power switch placed in the OFF position.
- When the push-button power switch is changed from ON to OFF with the driver's door open.

The driver's seat will return to the previous position:

- When the push-button power switch is placed in the ON position while the shift position is in the P (Park) position.

The entry/exit function can be canceled through "Vehicle Settings" in the vehicle information display by performing the following:

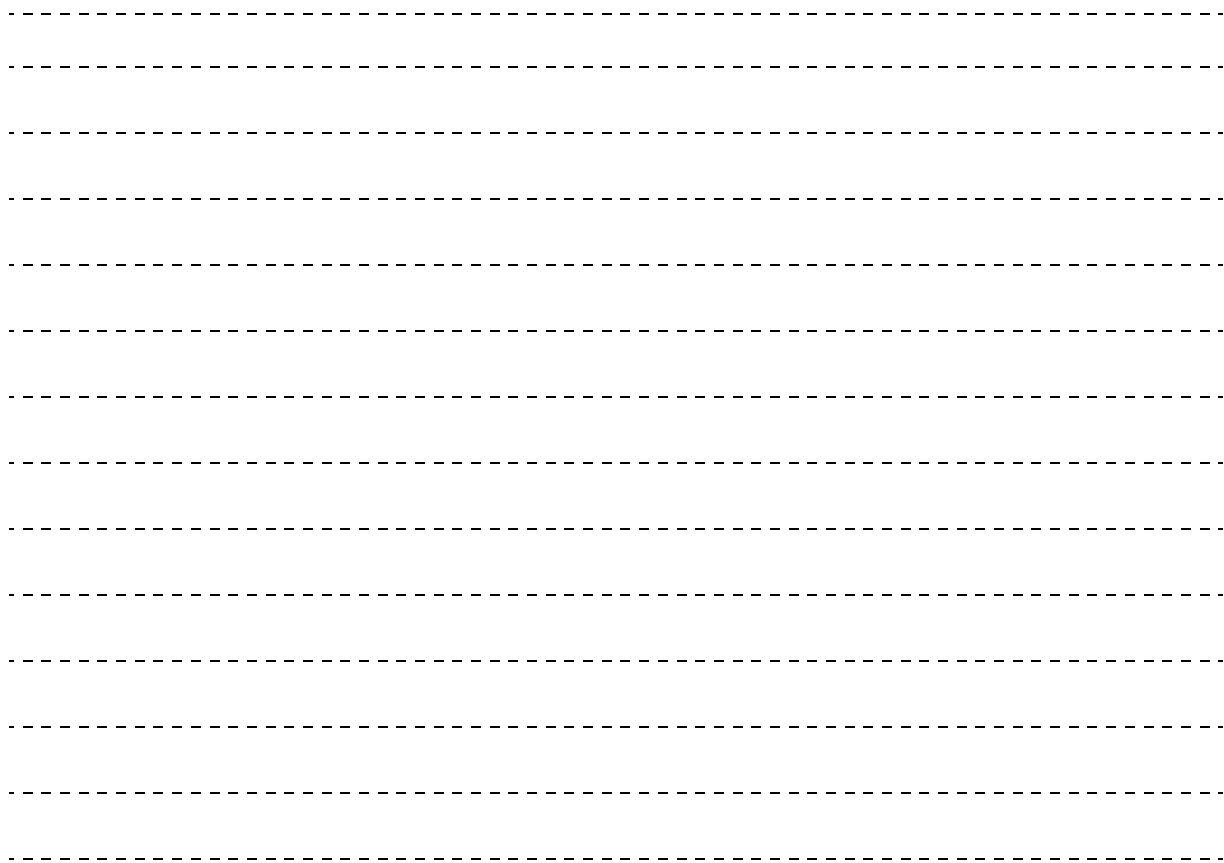
- Switch the "Exit Seat Slide" from ON to OFF. For additional information about "Vehicle Settings", refer to "Settings" on page 176.

System operation

N07503100035

The memory seat will not work or will stop operating under the following conditions:

- When the vehicle is moving. (The front seats returning function can be operated if the vehicle speed is below 2 MPH (3 km/h).)
- When any of the memory switches are pushed while the memory seat is operating.
- When the switch for the front seats is pushed while the memory seat is operating.
- When the seat has already been moved to the memorized position.
- When no seat position is stored in the memory switch.
- When the shift lever is moved from P (Park) to any other position.



Monitor, heater, air conditioner, audio and phone systems

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Car phone or CB radio	336

NissanConnect® Owner's Manual

N0760010077

QR code (U.S. only)



For models with NissanConnect® System, refer to the digital NissanConnect® Owner's Manual using the QR code on this page (U.S. only), or your printed NissanConnect® Owner's Manual (if so equipped). This manual includes the following information. Available functions may vary depending on the models and specifications.

- Audio
- Hands-Free Phone
- Apple CarPlay®

- Android Auto™
- NissanConnect® Services powered by SiriusXM®
- Navigation system
- Voice recognition
- Information and settings viewable on NissanConnect®

Radio frequency statement

For USA:

FCC ID: 2AUXS-AIVIP33A0

Model name: AIVIP33A0

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

⚠ CAUTION

- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be

determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Radiofrequency radiation exposure Information:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body. This transmitter must not be co-located or oper-

ating in conjunction with any other antenna or transmitter.

For Canada:

Model name: AIVIP33A0

IC: 25847-AIVIP33A0

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

(1) L'appareil ne doit pas produire de brouillage;

(2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

RF Exposure Information:

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

Safety note

WARNING

- Do not disassemble or modify this system. If you do, it may result in accidents, fire, or electric shock.

- Do not use this system if you notice any abnormality, such as a frozen screen or lack of sound.

Continued use of the system may result in accident, fire or electric shock.

- In case you notice any foreign object in the system hardware, spill liquid on it, or notice smoke or smell coming from it, stop using the system immediately. It is recommended you visit a Nissan Electric Vehicle certified dealer for servicing. Ignoring such conditions may lead to accidents, fire, or electric shock.

- Park the vehicle in a safe location and apply the parking brake to view the images on the touch screen display.

Do not attempt to operate the system in extreme temperature conditions [below -4°F (-20°C) and above 158°F (70°C)].

Operating this system under these conditions may result in system malfunctions.

Safety information

WARNING

- To operate the system, first park the vehicle in a safe location and set the parking brake. Operating the system while driving can distract the driver and may result in a serious accident.
- Exercise extreme caution at all times so full attention may be given to vehicle operation. If the system does not respond immediately, please be patient and keep your eyes on the road. Inattentive driving may lead to a crash resulting in serious injuries or death.

WARNING

- Laws in some jurisdictions may restrict the use of some of the applications and features such as "Text-to-Speech", social networking, and texting. Check local regulations for any requirements before using this feature.

- To avoid risk of death or serious personal injury when parking the vehicle with the engine turned on, it should be kept in a well-ventilated area to avoid exposure to carbon monoxide. Do not breathe exhaust gases; they contain colorless and odorless carbon monoxide. Carbon monoxide is dangerous. It can cause unconsciousness or death.

- Apply the parking brake.
- Do not allow children, pets or people who may need assistance to remain in the vehicle.
- Do not leave the vehicle unattended to prevent unauthorized use of the vehicle.

USB memory device, iPod® and Blue- tooth® audio player

N07601300021

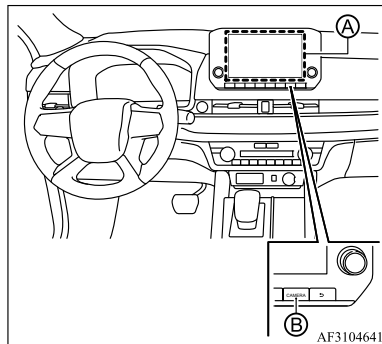
⚠ WARNING

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.

Intelligent Around View® Monitor

N07600300079



Ⓐ Touch screen display

Ⓑ CAMERA button

⚠ WARNING

- Failure to follow the warnings and instructions for the proper use of the Intelligent Around View® Monitor system could result in serious injury or death.

⚠ WARNING

- The Intelligent Around View® Monitor is a convenience feature and 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 areas where objects do not always appear in the bird's-eye, front, or rear views. Always check your surroundings 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 maneuvers.

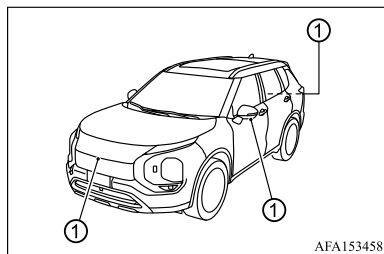
⚠ CAUTION

- If the camera lens gets dirty, a clear image cannot be obtained. As necessary, rinse the lens with clean water and gently wipe with a clean, soft cloth.
- To avoid damaging the camera;
 - Do not rub the cover excessively or polish it by using an abrasive compound.

CAUTION

- Do not disassemble the camera.
- Do not splash hot water directly on the lens.
- Do not spray the camera and its surroundings with high-pressure water.
- Make sure that the liftgate is securely closed when backing up.

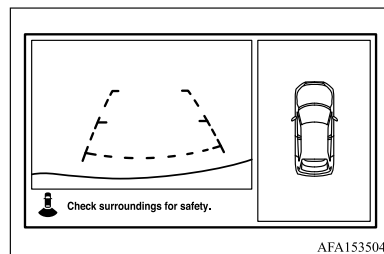
The Intelligent Around View® Monitor system is designed as an aid to the driver in situations such as slot parking or parallel parking. The monitor displays various views of the position of the vehicle in a split screen format. Not all views are available at all times.



To display the multiple views, the Intelligent Around View® Monitor system uses cameras ① located in the front grille, on the vehicle's outside mirrors and one just above the vehicle's license plate.

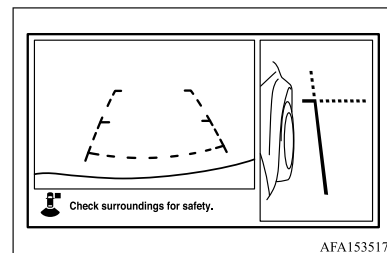
Types of views of the Intelligent Around View® Monitor

Bird's eye-view/Rear-view mode



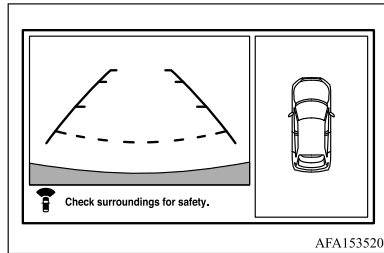
Views of the surroundings of the vehicle and behind the vehicle are displayed.

Side-view/Rear-view mode



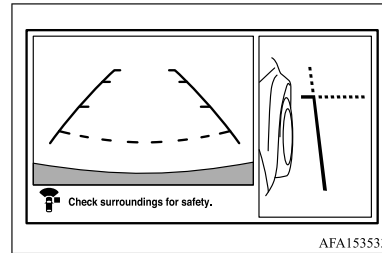
Views of the passenger's side of the vehicle and behind the vehicle are displayed.

Bird's eye-view/Front-view mode



Views of the surroundings of the vehicle and the front of the vehicle are displayed.

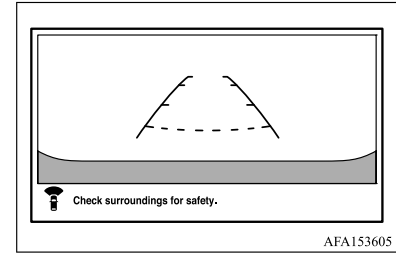
Side-view/Front-view mode



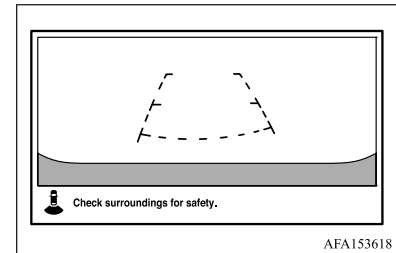
Views of the passenger's side of the vehicle and the front of the vehicle are displayed.

Front-wide/rear-wide view

Front-wide view



Rear-wide view



Views of the front or rear of the vehicle are displayed.

CAUTION

The camera uses a special lens. As a result, images and distances shown on the screen are not exact.

NOTE

- Because the cameras have a special lens, the lines on the ground between parking spaces may not look parallel on the screen.
- Under certain circumstances, it may become difficult to see an image on the screen, even when the system is functioning correctly.
 - In a dark area, such as at night.
 - When water drops or condensation are on the lens.
 - When sun light or headlights shine directly into the lens.
 - When a fluorescent light shines directly into the lens.
- If the atmospheric temperature is extremely hot or extremely cold, the camera images may not be clear. There is no abnormality.

NOTE

- If a wireless device is installed near the camera, the camera images may cause electrical system interference and the system may stop functioning properly.

Intelligent Around View® Monitor system operation

When the push-button power switch is placed in the ON position, push the CAMERA button on the instrument panel or move the shift lever to the R (Reverse) position to operate the Intelligent Around View® Monitor.

The Intelligent Around View® Monitor images will be displayed on the touch screen display.

The screen displayed on the Intelligent Around View® Monitor will automatically return to the previous screen 3 minutes after the CAMERA button has been pushed with the shift lever in a position

other than the R (Reverse) position.

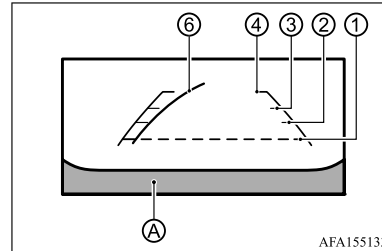
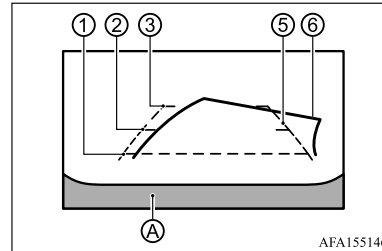
Available views

WARNING

- The distance guide lines and the vehicle width guide lines should be used as a reference only when the vehicle is on a paved, level surface. The apparent distance viewed on the monitor may be different than the actual distance between the vehicle and displayed objects.
- Use the displayed lines and the bird's-eye view as a reference. The lines and the bird's-eye view are greatly affected by the number of occupants, fuel level, vehicle position, road condition and road grade.
- If the tires are replaced with different sized tires, the predictive course lines and the bird's-eye view may be displayed incorrectly.

⚠ WARNING

- When driving the vehicle up a hill, objects viewed in the monitor are farther than they appear. When driving the vehicle down a hill, objects viewed in the monitor are closer than they appear.
- Objects in the rear view will appear visually opposite compared to when viewed in the rearview and outside mirrors.
- Use the mirrors or physically look to properly judge distances to other objects.
- On a snow-covered or slippery road, there may be a difference between the predictive course line and the actual course line.
- The vehicle width and predictive course lines are wider than the actual width and course.
- 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 center of the vehicle.

■ Front and rear view**Front view****Rear view**

Guiding lines that indicate the approximate vehicle width and distances to objects with refer-

ence to the vehicle body line ①, are displayed on the monitor.

Distance guide lines:

Indicate distances from the vehicle body.

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

Vehicle width guide lines ⑤ :

Indicate the vehicle width.

Predictive course lines ⑥ :

Indicate the predictive course when operating the vehicle. When the monitor displays the rear view, the predictive course lines will be displayed on the monitor if 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 steer-

Intelligent Around View® Monitor

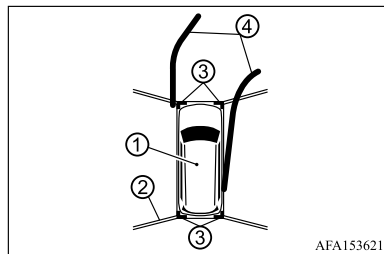
ing wheel is in the straight ahead position.

The front view will not be displayed when the vehicle speed is above 6 MPH (10 km/h).

NOTE

- When the monitor displays the front view and the steering wheel turns approximately 90 degrees or less from the straight ahead position, both the right and left predictive course lines ⑥ are displayed. When the steering wheel turns approximately 90 degrees or more, the 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.

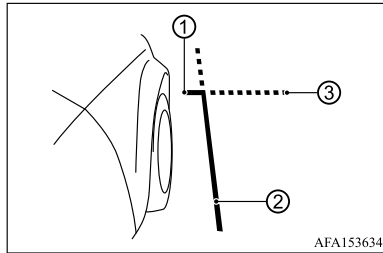
After the push-button power switch is placed in the ON position, the non-viewable area ② is highlighted in yellow for a few seconds after the bird's-eye view is displayed.

The red markers ③ are displayed when the sonar sensor is turned off or the sonar sensor is not available at the corner. Predictive course lines ④ indicate the predicted course when operating the vehicle.

WARNING

- Objects in the bird's-eye view will appear farther than the actual distance.
- Tall objects, such as a curb 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 approximate width and the front end of the vehicle are displayed on the monitor.

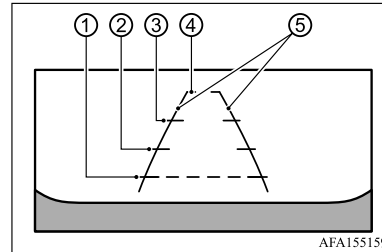
The front-of-vehicle line ① shows the front part of the vehicle.

The side-of-vehicle line ② shows the vehicle width including the outside mirrors.

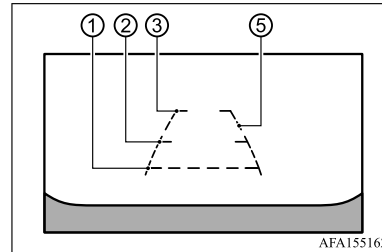
The extensions ③ of both the front ① and side ② lines are shown with a green dotted line.

■ Front-wide/rear-wide view

Front-wide view



Rear-wide view



The front-wide view/rear-wide view shows a wider area on the entire screen and allows checking

of the blind corners on the right and left sides. The front-wide view/rear-wide view displays an approximately 180-degree area while the front view and the rear view display an approximately 150-degree area. The predictive course lines are not displayed on the front-wide view /rear-wide view.

Distance guide lines ① - ④ :

Indicate distances from the vehicle body.

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

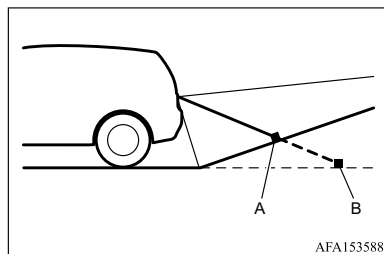
Vehicle width guide lines ⑤ :

Indicate the approximate vehicle width.

Difference between predictive and actual distances

The displayed guidelines and their locations on the ground are for approximate reference only. Objects on uphill or downhill surfaces or projecting objects will be actually located at distances different from those displayed in the monitor relative to the guidelines (refer to illustrations). When in doubt, turn around and view the objects as you are backing up, or park and exit the vehicle to view the positioning of objects behind the vehicle.

Backing up on a steep uphill

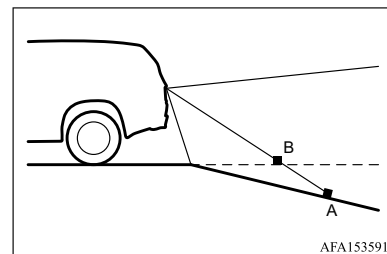


A: Actual objects

B: Objects shown on the screen

When there is an upward slope behind the vehicle, objects shown on the screen will appear to be farther off than they actually are.

Backing up on a steep downhill

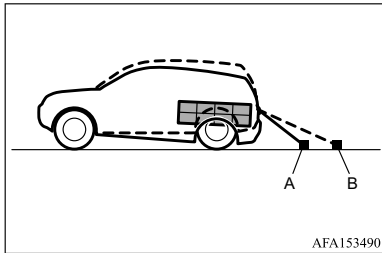


A: Actual objects

B: Objects shown on the screen

When there is a downward slope behind the vehicle, objects shown on the screen will appear to be closer than they actually are.

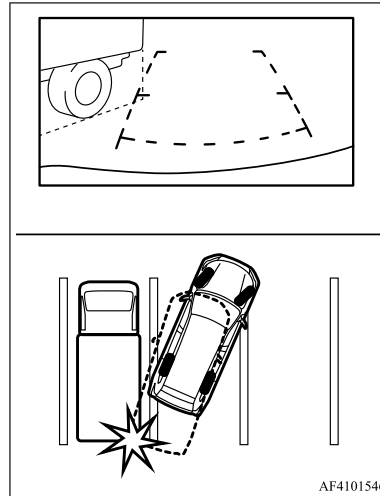
Weighed down by weight



A: Actual objects

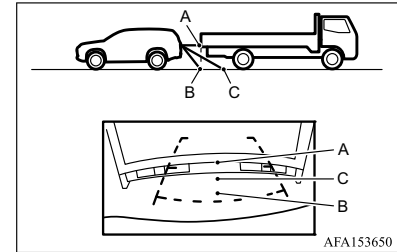
B: Objects shown on the screen
When the rear of the vehicle is weighed down with the weight of passengers and luggage in the vehicle, objects shown on the screen will appear to be farther off than they actually are.

Backing up near a projecting object



When the vehicle is approaching a truck, the reference lines indicate that your vehicle will clear the truck. In reality, the truck is in your path.

Backing up behind a projecting object



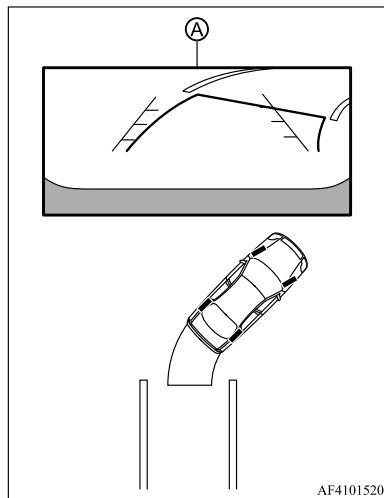
When there is an object behind the vehicle that has upper sections projecting in the direction of the vehicle, the reference lines on the screen will indicate that point A is the farthest point and point B is the closest point to the vehicle. In reality, point A and B are actually the same distance from the vehicle, and point C is farther off than point A and B.

How to park with predictive course lines

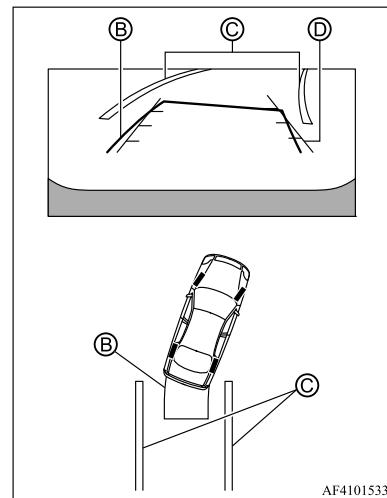
⚠ WARNING

- If the tires are replaced with different sized tires, the predictive course lines may be displayed incorrectly.
- 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 be displayed incorrectly. If this occurs, please perform the following procedures:
 - Turn the steering wheel from lock to lock while the Plug-in Hybrid system is operating.
 - Drive the vehicle on a straight road for more than 5 minutes.
- When the steering wheel is turned with the push-button power switch in the ON position, the predictive course lines may be displayed incorrectly.

1. Visually check that the parking space is safe before parking your vehicle.
2. The rear view of the vehicle is displayed on the screen **A** when the shift lever is moved to the R (Reverse) position.



3. Slowly back up the vehicle adjusting the steering wheel so that the predictive course lines **B** enter the parking space **C**.



4. Maneuver the steering wheel to make the vehicle width guide lines **D** parallel to the parking space **C** while referring to the predictive course lines.

5. When the vehicle is parked in the space completely, move the shift lever to the P (Park) position and apply the parking brake.

How to switch the display

With the push-button power switch placed in the ON position, push the CAMERA button or move the shift lever to the R (Reverse) position to operate the Intelligent Around View® Monitor. The Intelligent Around View® Monitor displays different split screen views depending on the position of the shift lever. Push the CAMERA button to switch between the available views. If the shift lever is in the R (Reverse) position, the available views are:

- Rear-wide view

If the shift lever is in the out of R (Reverse) position, the available views are:

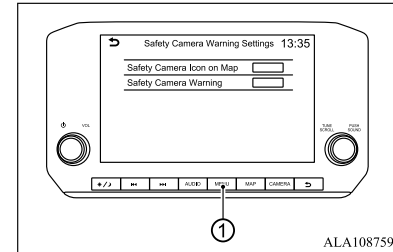
- Front view/bird's-eye view split screen
- Front view/front-side view split screen
- Front-wide view

The display will switch from the Intelligent Around View® Monitor screen when:

- The shift lever is in the D (Drive) position and the vehicle speed increases above approximately 6 MPH (10 km/h).
- A different screen is selected.

- Rear view/bird's-eye view split screen
- Rear view/front-side view split screen

Adjusting the screen



1. Push the MENU button ①.
2. Touch the "Settings" key and then touch the "Camera" key.
3. Touch the "Display Settings" key.
4. Touch the "Brightness", "Contrast", "Tint", "Color", or "Black Level" key.
5. Adjust the item by touching the "+" or "-" key on the touch screen display.

NOTE

Do not adjust the display settings of the Intelligent Around View® Monitor while the vehicle is moving. Make sure the parking brake is firmly applied.

How to turn on and off predictive course lines

To turn the predictive course lines on and off when the shift lever is in the P (Park) position, perform the following operation.

1. Push the MENU button
2. Touch the “Settings” key and then touch the “Camera” key.
3. Touch the “Predictive Course Lines” key to turn the feature ON or OFF.

Pushing the CAMERA button while the shift lever is in the R (Reverse) position can also turn on and off the predictive course lines.

Intelligent Around View® Monitor system limitations

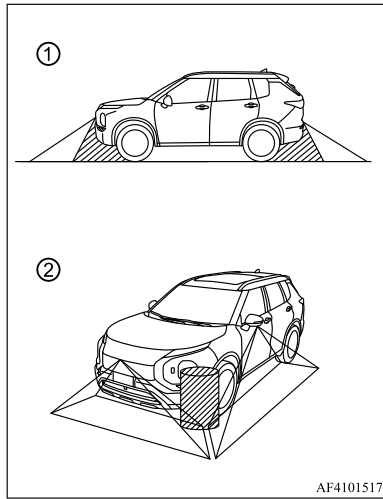
WARNING

Listed below are the system limitations for Intelligent Around View® Monitor. Failure to operate the vehicle in accordance with these system limitations could result in serious injury or death.

- Do not use the Intelligent Around View® Monitor with the outside mirrors in the stored position, and make sure that the liftgate is securely closed when operating the vehicle using the Intelligent Around View® Monitor.
- The apparent distance between objects viewed on the Intelligent Around View® Monitor differs from the actual distance.
- The cameras are installed above the front grill, the outside mirrors and above the rear license plate. Do not put anything on the cameras.

WARNING

- 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.



AF4101517

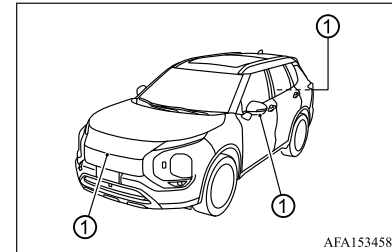
There are some areas where the system will not show objects and the system does not warn of moving objects. When in the front or the rear view display, an object below the bumper or on the ground may not be viewed ①. When in the bird's-eye view, a tall object near the seam ② of the

camera viewing areas will not appear in the monitor. The following are operating limitations and do not represent a system malfunction:

- There may be a delay when switching between views.
- When the temperature is extremely high or low, the screen may not display objects clearly.
- When strong light directly shines on the camera, objects may not be displayed clearly.
- The screen may flicker under fluorescent light.
- The colors of objects on the Intelligent Around View® Monitor may differ somewhat from the actual color of objects.
- Objects on the Intelligent Around View® Monitor may not be clear and the color of the object may differ in a dark environment.
- There may be differences in sharpness between each camera view of the bird's-eye view.

- Do not use wax on the camera lens. Wipe off any wax with a clean cloth that has been dampened with a diluted mild cleaning agent, then wipe with a dry cloth.

System maintenance



AFA153458

CAUTION

- Do not use alcohol, benzine or thinner to clean the camera. This will cause discoloration.
- Do not damage the camera as the monitor screen may be adversely affected.

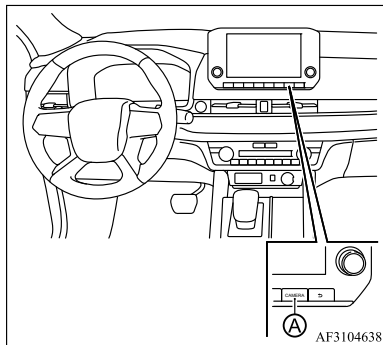
If dirt, rain or snow accumulates on any of the cameras ①, the

Moving Object Detection (MOD)

Intelligent Around View® Monitor may not display objects clearly. Clean the camera by wiping with a cloth dampened with a diluted mild cleaning agent and then wiping with a dry cloth.

Moving Object Detection (MOD)

N07600400070



Ⓐ CAMERA button

⚠ WARNING

- **Failure to follow the warnings and instructions for proper use of the Moving Object Detection system could result in serious injury or death.**
- **The MOD system is not a substitute for proper vehicle operation and is not designed to prevent contact with objects surrounding the vehicle. When maneuvering, always use the outside mirror, rearview mirror and look to check the surroundings before safely maneuvering the vehicle.**
- **The system is deactivated at speeds above 6 MPH (10 km/h). It is reactivated at lower speeds.**
- **The MOD system is not designed to detect the surrounding stationary objects.**

The MOD system can inform the driver of moving objects near the vehicle when driving out of garages, maneuvering in parking lots and in other such instances. The MOD system detects moving objects by using image process-

ing technology on the image shown in the display.

MOD system operation

The MOD system will turn on automatically under the following conditions:

- When the shift lever is in the R (Reverse) position.
- When the CAMERA button is pushed to activate the Intelligent Around View® Monitor system on the display.
- When vehicle speed decreases below approximately 6 MPH (10 km/h).

The MOD system operates in the following conditions when the camera view is displayed:

- When the shift lever is in the P (Park) or N (Neutral) position and the vehicle is stopped, the MOD system detects the moving objects in the bird's-eye view. The MOD system will not operate if either door is opened. If outside mirrors are folded, MOD may not operate properly.
- When the shift lever is in the D (Drive) position, and the vehicle speed is below approximately 6 MPH (10 km/h), the MOD system detects moving objects in the front view.
- When the shift lever is in the R (Reverse) position and the vehicle speed is below approximately 6 MPH (10 km/h), the MOD system detects moving objects in the rear view. The MOD system will not operate if the liftgate is open.

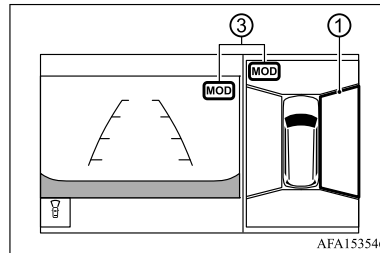
The MOD system does not detect moving objects in the front-side view. The MOD icon is not displayed on the screen when in this view.

When the MOD system detects a moving object near the vehicle, the yellow frame will be displayed on the view where the object is detected and a chime will sound once. While the MOD system continues to detect moving objects, the yellow frame continues to be displayed.

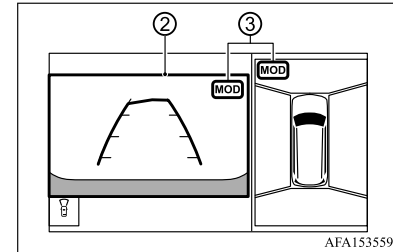
NOTE

While the RCTA chime is beeping, the MOD system does not chime.

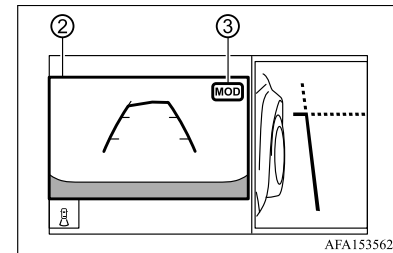
Front and bird's-eye views



Rear and bird's-eye views

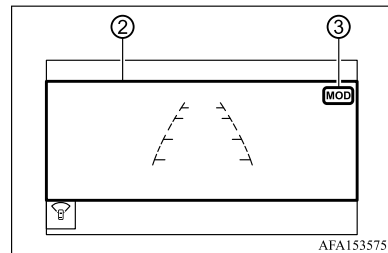


Rear and front-side views



Moving Object Detection (MOD)

Front-wide view / rear-wide view



In the bird's-eye view, the yellow frame ① is displayed on each camera image (front, rear, right, left) depending on where moving objects are detected.

The yellow frame ② is displayed on each view in the front view and rear view modes.

A green MOD icon ③ is displayed in the view where the MOD system is operative. A gray MOD icon ③ is displayed in the view where the MOD system is not operative. If the MOD system is turned off, the MOD icon ③ is not displayed.

Turning MOD on and off

The MOD system can be turned on and off using the vehicle information display. (For additional information about "Driver Assistance", refer to "Settings" on page 176.)

MOD system limitations

⚠ WARNING

Listed below are the system limitations for MOD. Failure to operate the vehicle in accordance with these system limitations could result in serious injury or death.

- Excessive noise (for example, audio system volume or open vehicle window) will interfere with the chime sound, and it may not be heard.
- The MOD system performance will be limited according to environmental conditions and surrounding objects such as:
 - When there is low contrast between background and the moving objects.

⚠ WARNING

- When there is blinking source of light.
- When strong light such as another vehicle's headlight or sunlight is present.
- When camera orientation is not in its usual position, such as when the outside mirror is folded.
- When there is dirt, water drops or snow on the camera lens.
- When the position of the moving objects in the display is not changed.
- The MOD system might detect flowing water droplets on the camera lens, white smoke from the muffler, moving shadows, etc.
- The MOD system may not function properly depending on the speed, direction, distance or shape of the moving objects.
- If your vehicle sustains damage to the parts where the camera is installed, leaving it misaligned or bent, the sensing zone may be altered and the MOD system may not detect objects properly.

⚠ WARNING

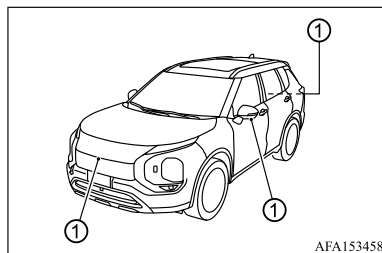
- When the temperature is extremely high or low, the screen may not display objects clearly. This is not a malfunction.

📖 NOTE

The green MOD icon will change to orange if one of the following has occurred.

- When the system is malfunctioning.
- When the component temperature reaches a high level (icon will blink).
- When the rear view camera has detected a blockage (icon will blink).

If the icon light continues to illuminate in orange, have the MOD system checked. It is recommended that you visit a Nissan Electric Vehicle certified dealer for this service.

System maintenance**⚠ CAUTION**

- Do not use alcohol, benzine or thinner to clean the camera. This will cause discoloration.
- Do not damage the camera as the monitor screen may be adversely affected.

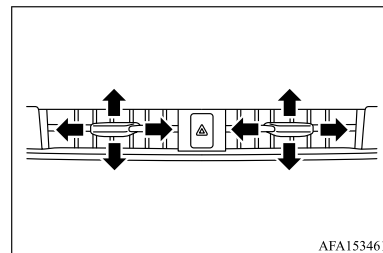
If dirt, rain or snow accumulates on any of the cameras ①, the MOD system may not operate properly. Clean the camera by wiping with a cloth dampened with a diluted mild cleaning agent and then wiping with a dry cloth.

Ventilators

N07600500026

Center ventilators

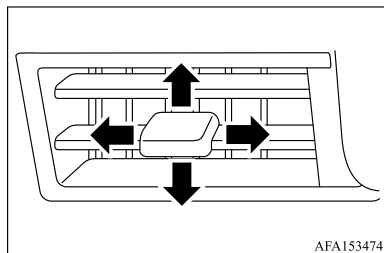
N07600600027



Adjust the air flow direction of the ventilators by moving the center knob (up/down, left/right) until the desired position is achieved. To close the vent, fully move the knob to the inner side.

Side ventilators

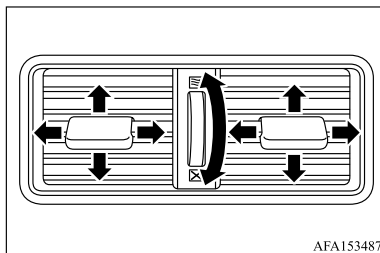
N07600700028



Adjust the air flow direction of the ventilators by moving the center knob (up/down, left/right) until the desired position is achieved. To close the vent, fully move the knob to the outer side.

Rear ventilators

N07600800032



Open/close the ventilators by moving the control to either direction.

- ≡ — This symbol indicates that the ventilators are open. Moving the side control to this direction will open the ventilators.
- ☒ — This symbol indicates that the ventilators are closed. Moving the side control to this direction will close the ventilators.

Adjust the air flow direction of the ventilators by moving the center

knob (up/down, left/right) until the desired position is achieved.

Heater and air conditioner

N07600900091

⚠ WARNING

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

 WARNING

- Do not adjust the heating and air conditioner controls while driving so that full attention may be given to vehicle operation.

 CAUTION

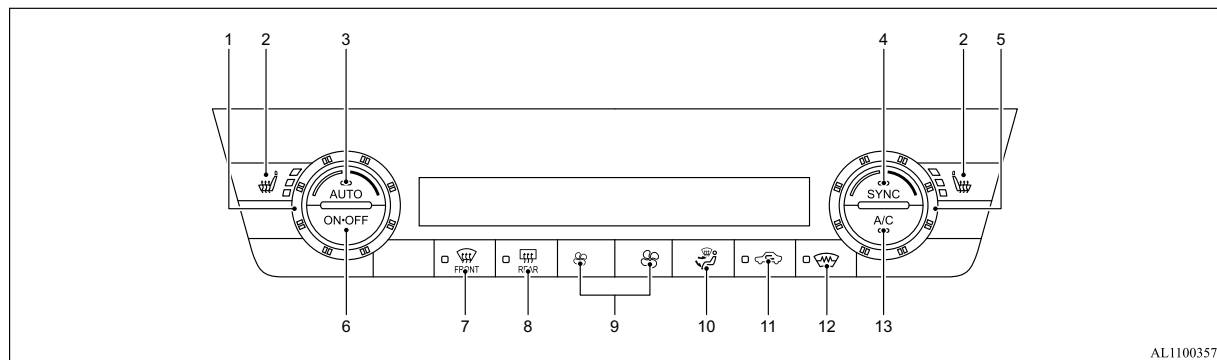
The engine speed may increase when the air conditioner is operating. With an increased engine speed, a vehicle will creep to a greater degree than with a lower engine speed. Fully depress the brake pedal to prevent the vehicle from creeping.

The heater and air conditioner operate when the Plug-in Hybrid system is operating. The air blower will operate even if the Plug-in Hybrid system is turned off and the push-button power switch is placed in the ON position.

 NOTE

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

Dual-zone automatic air conditioner



1. Temperature control dial (driver's side)
2. (heated front seats) buttons (See "Heated seats" on page 234.)
3. AUTO (automatic) button
4. SYNC (synchronize) button
5. Temperature control dial (passenger's side)
6. ON-OFF button
7. (front defroster) button
8. (rear window defroster) button (See "Rear window defroster switch" on page 226.)
9. (fan speed control) buttons
10. (air flow control) button
11. (air recirculation) button
12. (front wiper deicer) button (See "Wiper deicer switch" on page 226.)

13. A/C (air conditioner) button

Automatic operation

■ Cooling and/or dehumidified heating (AUTO)

This mode may be used all year round as the system automatically works to keep a constant temperature. Air flow distribution

and fan speed are also controlled automatically.

1. Push the AUTO button on. (The indicator on the button will illuminate.)
2. Turn the temperature control dial on the corresponding side to set the desired temperature.
 - You can individually set temperatures for the driver's side and front passenger's side when the indicator light on the SYNC button is not illuminated.

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

■ Heating (A/C OFF)

The air conditioner does not activate in this mode. Use this mode when you only need to heat.

1. Push the AUTO button on. (The indicator on the button will illuminate.)
2. Push the A/C button. (The indicator light will turn off.)
3. Turn the temperature control dial on the corresponding side to set the desired temperature.
 - You can individually set temperatures for the driver's side and front passenger's side when the indicator light on the SYNC button is not illuminated.
 - The temperature of the passenger compartment will be maintained automatically. Air flow distribution and fan speed are also controlled automatically.

NOTE

- Do not set the temperature lower than the outside air temperature or the system may not work properly.
- Not recommended if windows fog up.

NOTE

- When heating is used when the outside temperature is low and the humidity is high, such as during snowfall, frost may form on the outside condenser and the heating performance may be reduced.
- If the outside condenser is frosted, the electric compressor may operate for defrosting operation during charging. This is not a malfunction.
- When the push-button power switch is in the OFF position, you may hear the initialization operation sound of the air conditioner. This is not a malfunction.
- When the outside temperature is low or when snowing, the heat pump alone may not provide sufficient heating performance. In that case, the engine starts automatically to provide heating performance.
(Except when EV Priority Mode is activated)

NOTE

- Since heating uses the heat from the engine cooling water, the engine will start when heating is used. Vehicles with heat pump can be heated using the power of the Li-ion battery so the frequency of engine starting can be reduced.
- When the EV priority mode is selected, the engine will not start except when the defroster switch is pushed. As a result, it may be difficult to obtain the heating effect. If you want to improve the heating effect, select a mode other than the EV priority mode. (See "EV mode selector switch" on page 370.)
- When the outside temperature is low and the Plug-in Hybrid system is turned on with the air conditioner running, the engine may start immediately for heating. If you want to reduce the frequency of engine starting, before starting the Plug-in Hybrid system, select the EV priority mode with the push-button power switch in the ON position.

NOTE

- When the ECO mode is selected, you may feel that the air conditioner is not working properly because the ECO mode suppresses the operation of the air conditioner. If you want to improve the heating effect, select an other mode. (See "Drive Mode Selector" on page 378.)
- Air conditioner operation can be set to normal control even when the ECO mode is selected. (For additional information about "ECO Mode Setting", refer to "Settings" on page 176.)
- The screen may move slowly when the temperature is very cold. This is not a malfunction. It will recover when the temperature returns to normal.
- The unit of the set temperature indicator changes in conjunction with the temperature unit of the vehicle information display. (See "Vehicle information display" on page 174.)

NOTE

- When you feel hot or cold with respect to the set temperature, you can adjust it to be comfortable. For details, it is recommended to contact a Nissan Electric Vehicle certified dealer.
- If you want to heat or cool the inside of the vehicle quickly, use the air recirculation mode.
- If you push the AUTO (automatic) button after a manual operation, the air intake control button is also automatically controlled.
- If the air conditioner is operating when the outside temperature is high, it may not switch to the outside air intake mode. This is to protect the air conditioner compressor and not a malfunction.
- If the remaining power of the Li-ion battery is displayed as 0, the cooling effect may not be obtained even if the dial or switch is operated. (See "Energy level gauge" on page 158.)

NOTE

- If the engine cannot be started due to running out of fuel, etc., the heating effect may not be obtained even if the dial or switch is operated.
- You can use the air conditioner by placing the push-button power switch to the ON position while charging. (See "How to use electric device during charging" on page 66.)

■ Dehumidified defrosting or defogging

1. Push the  button on. (The indicator light on the button will come on.)
 2. Turn the temperature control dial on the corresponding side to set the desired temperature.
- As soon as possible after the windshield is clean, push the AUTO button to return to the automatic mode.

- When the  button is pushed, the air conditioner will automatically be turned on at outside temperatures above 35°F (2°C). The air recirculation mode automatically turns off, allowing outside air to be drawn into the passenger compartment to further improve the defogging performance.

Manual operation

■ Fan speed control

Push the  buttons to manually control the fan speed.

■ Air intake control

The air intake control mode will change each time the  button is pushed.

- When the indicator light is turned on, the air recirculates inside the vehicle.

Heater and air conditioner

- When the indicator light is turned off, the air flow is drawn from outside the vehicle.
- To switch to automatic control mode, push and hold the  button for approximately 2 seconds. The indicator light will flash twice, and then the air intake will be controlled automatically.

■ Air flow control

Pushing the  button manually controls air flow and selects the air outlet:

-  — Air flows mainly from center and side ventilators.
-  — Air flows mainly from center and side ventilators and foot outlets.
-  — Air flows mainly from the foot outlet and partly from the defroster.
-  — Air flows mainly from the defroster and foot outlets.

Heater and air conditioner



— Air flows mainly from the defroster.

■ Synchronize temperature settings

Push the SYNC button to synchronize the driver's and passenger's side temperature settings. The sync indicator light will turn on.

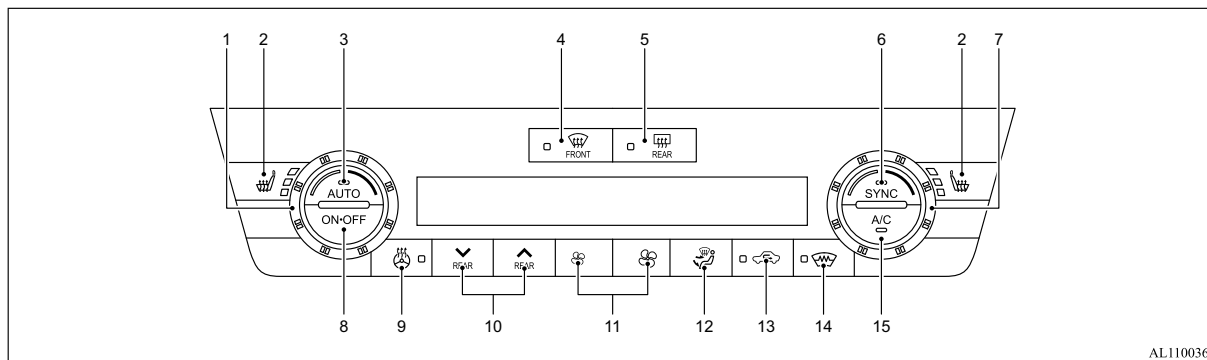
When the SYNC mode is active, the driver's side temperature control dial will control the driver's and front passenger's side temperatures.

To exit the SYNC mode, push the SYNC button again or turn the passenger's side temperature control dial.

To turn the system off

Push the ON-OFF button.

3-zone automatic air conditioner



AL1100360

1. Temperature control dial (driver's side)	6. SYNC (synchronize) button	13. (air recirculation) button
2. (heated front seats) buttons (See "Heated seats" on page 234.)	7. Temperature control dial (passenger's side)	14. (front wiper deicer) button (See "Wiper deicer switch" on page 226.)
3. AUTO (automatic) button	8. ON-OFF button	15. A/C (air conditioner) button
4. (front defroster) button	9. (heated steering wheel) button (See "Heated steering wheel" on page 233.)	
5. (rear window defroster) button (See "Rear window and outside mirror defroster switch" on page 226.)	10. Rear temperature control buttons	
	11. (fan speed control) buttons	
	12. (air flow control) button	

Automatic operation

■ Cooling and/or dehumidified heating (AUTO)

This mode may be used all year round as the system automatically works to keep a constant temperature. Air flow distribution and fan speed are also controlled automatically.

1. Push the AUTO button on. (The indicator on the button will illuminate.)
2. Turn the temperature control dial on the corresponding side to set the desired temperature.
 - You can individually set temperatures for the driver's side and front passenger's side when the indicator light on the SYNC button is not illuminated.

A visible mist may be seen coming from the ventilators in hot, humid conditions as the air is

cooled rapidly. This does not indicate a malfunction.

■ Heating (A/C OFF)

The air conditioner does not activate in this mode. Use this mode when you only need to heat.

1. Push the AUTO button on. (The indicator on the button will illuminate.)
2. Push the A/C button. (The indicator light will turn off.)
3. Turn the temperature control dial on the corresponding side to set the desired temperature.
 - You can individually set temperatures for the driver's side and front passenger's side when the indicator light on the SYNC button is not illuminated.
 - The temperature of the passenger compartment will be maintained automatically. Air flow distribution and fan speed are also controlled automatically.



NOTE

- Do not set the temperature lower than the outside air temperature or the system may not work properly.
- Not recommended if windows fog up.
- When heating is used when the outside temperature is low and the humidity is high, such as during snowfall, frost may form on the outside condenser and the heating performance may be reduced.
- If the outside condenser is frosted, the electric compressor may operate for defrosting operation during charging. This is not a malfunction.
- When the push-button power switch is in the OFF position, you may hear the initialization operation sound of the air conditioner. This is not a malfunction.

 NOTE

- When the outside temperature is low or when snowing, the heat pump alone may not provide sufficient heating performance. In that case, the engine starts automatically to provide heating performance.
(Except when EV Priority Mode is activated)
- Since heating uses the heat from the engine cooling water, the engine will start when heating is used. Vehicles with heat pump can be heated using the power of the Li-ion battery so the frequency of engine starting can be reduced.
- When the EV priority mode is selected, the engine will not start except when the defroster switch is pushed. As a result, it may be difficult to obtain the heating effect. If you want to improve the heating effect, select a mode other than the EV priority mode. (See "EV mode selector switch" on page 370.)

 NOTE

- When the outside temperature is low and the Plug-in Hybrid system is turned on with the air conditioner running, the engine may start immediately for heating. If you want to reduce the frequency of engine starting, before starting the Plug-in Hybrid system, select the EV priority mode with the push-button power switch is in the ON position.
- When the ECO mode is selected, you may feel that the air conditioner is not working properly because the ECO mode suppresses the operation of the air conditioner. If you want to improve the heating effect, select an other mode. (See "Drive Mode Selector" on page 378.)
- Air conditioner operation can be set to normal control even when the ECO mode is selected. (For additional information about "ECO Mode Setting", refer to "Settings" on page 176.)

 NOTE

- The screen may move slowly when the temperature is very cold. This is not a malfunction. It will recover when the temperature returns to normal.
- The unit of the set temperature indicator changes in conjunction with the temperature unit of the vehicle information display. (See "Vehicle information display" on page 174.)
- When you feel hot or cold with respect to the set temperature, you can adjust it to be comfortable. For details, it is recommended to contact a Nissan Electric Vehicle certified dealer.
- If you want to heat or cool the inside of the vehicle quickly, use the air recirculation mode.
- If you push the AUTO (automatic) button after a manual operation, the air intake control button is also automatically controlled.

NOTE

- If the air conditioner is operating when the outside temperature is high, it may not switch to the outside air intake mode. This is to protect the air conditioner compressor and not a malfunction.
- If the remaining power of the Li-ion battery is displayed as 0, the cooling effect may not be obtained even if the dial or switch is operated. (See "Energy level gauge" on page 158.)
- If the engine cannot be started due to running out of fuel, etc., the heating effect may not be obtained even if the dial or switch is operated.
- You can use the air conditioner by placing the push-button power switch to the ON position while charging. (See "How to use electric device during charging" on page 66.)

■ Dehumidified defrosting or defogging

1. Push the  button on. (The indicator light on the button will come on.)
2. Turn the temperature control dial on the corresponding side to set the desired temperature.
 - As soon as possible after the windshield is clean, push the AUTO button to return to the automatic mode.
 - When the  button is pushed, the air conditioner will automatically be turned on at outside temperatures above 35°F (2°C). The air recirculation mode automatically turns off, allowing outside air to be drawn into the passenger compartment to further improve the defogging performance.

Manual operation

■ Fan speed control

Push the  buttons to manually control the fan speed.

■ Air intake control

The air intake control mode will change each time the  button is pushed.

- When the indicator light is turned on, the air recirculates inside the vehicle.
- When the indicator light is turned off, the air flow is drawn from outside the vehicle.
- To switch to automatic control mode, push and hold the  button for approximately 2 seconds. The indicator light will flash twice, and then the air intake will be controlled automatically.

■ Air flow control

Pushing the  button manually controls air flow and selects the air outlet:

-  — Air flows mainly from center and side ventilators.
-  — Air flows mainly from center and side ventilators and foot outlets.
-  — Air flows mainly from the foot outlet and partly from the defroster.
-  — Air flows mainly from the defroster and foot outlets.
-  — Air flows mainly from the defroster.

■ Synchronize temperature settings

Push the SYNC button to synchronize the driver's side, passenger's side and rear temperature settings. The indicator light on the SYNC button will turn on.

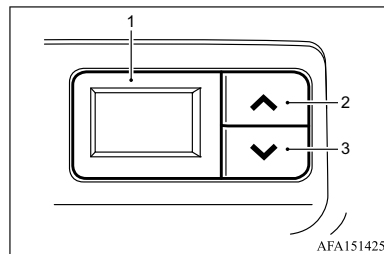
When the SYNC mode is active, the driver's side temperature control dial will control the driver's side, front passenger's side and rear temperatures.

To exit the SYNC mode, push the SYNC button again or turn the passenger's side temperature control dial.

To turn the system off

Push the ON-OFF button.

Rear temperature control

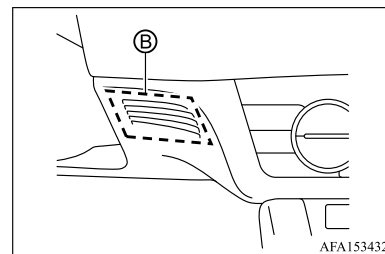
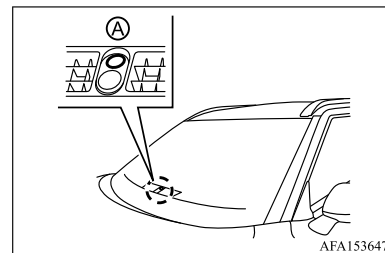


1. Rear temperature display
2. "▲" Rear temperature increase button
3. "▼" Rear temperature decrease button

3. "▼" Rear temperature decrease button

You can adjust the temperature for rear seat passengers using the buttons located on the rear console.

Operating tips



Antenna

When the engine coolant temperature and outside air temperature are low, the air flow from the foot outlets may not operate. However, this is not a malfunction. After the coolant temperature warms up, air flow from the foot outlets will operate normally. The sensors ④ and ⑤, located on the instrument panel, help maintain a constant temperature. Do not put anything on or around the sensors.

Servicing air conditioner

WARNING

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

The air conditioner system in your vehicle is charged with a

refrigerant designed with the environment in mind.

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

Special charging equipment and lubricant are required when servicing your vehicle's air conditioner. Using improper refrigerants or lubricants will cause severe damage to the air conditioner system. (See "Air conditioner system refrigerant and lubricant recommendations" on page 601.)

A Nissan Electric Vehicle certified dealer will be able to service your environmentally friendly air conditioner system.

In-cabin microfilter

The air conditioner system is equipped with a In-cabin microfilter. To make sure the air conditioner heats, defogs, and ventilates efficiently, replace the filter according the specified

maintenance intervals. It is recommended to visit a Nissan Electric Vehicle certified dealer to replace the filter.

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

Antenna

N07601000028

Shark fin antenna

The shark fin antenna is located on the rear part of the vehicle roof.

Car phone or CB radio

N076011000058

When installing a car phone or a CB radio in your vehicle, be sure to observe the following precautions, otherwise the new equipment may adversely affect the electronic control modules and

electronic control system harness.

WARNING

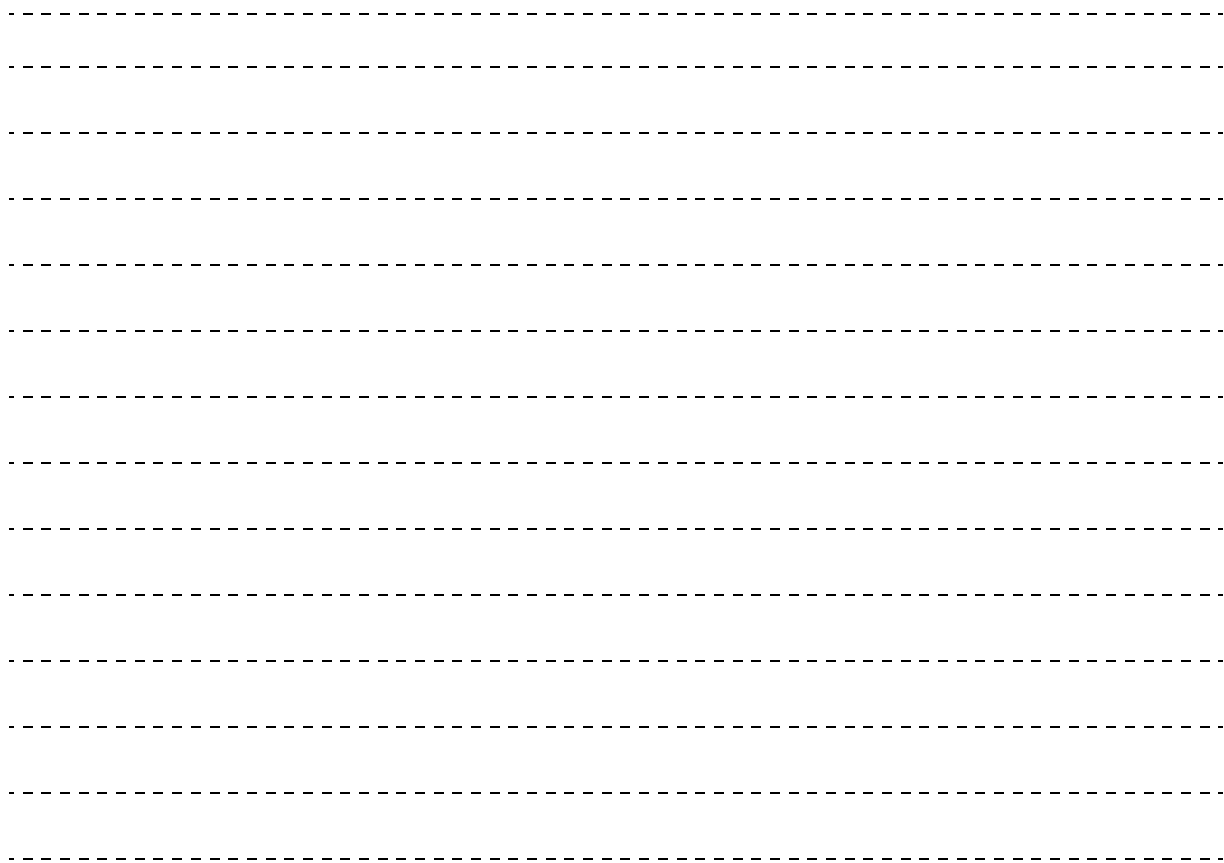
- **A cellular phone should not be used for any purpose while driving so full attention may be given to vehicle operation. Some jurisdictions prohibit the use of cellular phones while driving.**
- **If you must make a call while your vehicle is in motion, the hands-free cellular phone operational mode is highly recommended. Exercise extreme caution at all times so full attention may be given to vehicle operation.**
- **If a conversation in a moving vehicle requires you to take notes, pull off the road to a safe location and stop your vehicle before doing so.**

CAUTION

- Keep the antenna as far away as possible from the electronic control modules.

CAUTION

- Keep the antenna wire away from the electronic control system harness. Do not route the antenna wire next to any harness.
- Adjust the antenna standing-wave ratio as recommended by the manufacturer.
- Connect the ground wire from the CB radio chassis to the body.
- For details, it is recommended you visit a Nissan Electric Vehicle certified dealer.



Starting and driving

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Precautions when starting and driving

N07700100023

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.
- 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.

Exhaust gas (carbon monoxide)

N07700200053

WARNING

- Do not breathe exhaust gas; it contains colorless and odorless carbon monoxide. Carbon monoxide is dangerous. It can cause unconsciousness or death.
- If you suspect that exhaust fumes are entering the vehicle, drive with all windows fully open, and have the vehicle inspected immediately.
- Do not run the engine in closed spaces such as a garage.
- Do not park the vehicle with the Plug-in Hybrid system operating for an extended period of time.
- Keep the liftgate closed while driving, otherwise exhaust gas could be drawn into the passenger compartment. If you must drive with the liftgate open, follow these precautions:
 - Open all the windows.

WARNING

- Turn the air recirculation mode off and set the fan speed control to the highest level to circulate the air.
- If other equipment is added for recreational or other usage, follow the manufacturer's recommendation to prevent carbon monoxide entry into the vehicle. (Some recreational vehicle appliances such as stoves, refrigerators, heaters, etc. may also generate carbon monoxide.)
- If electrical wiring or other cable connections must pass to a trailer through the seal on the liftgate or the body, follow the manufacturer's recommendation to prevent carbon monoxide entry into the vehicle.
- The exhaust system and body should be inspected by a qualified mechanic whenever:
 - Your vehicle is raised while being serviced.
 - You suspect that exhaust fumes are entering into the passenger compartment.

WARNING

- You notice a change in the sound of the exhaust system.
- You have had an accident involving damage to the exhaust system, underbody, or rear of the vehicle.

Three-way catalyst

N07700300067

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

WARNING

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

CAUTION

- Do not use leaded gasoline. Deposits from leaded gasoline will seriously reduce the three-way catalyst's ability to help reduce exhaust pollutants.
- Keep your engine tuned up. Malfunctions in the ignition, fuel injection, or electrical systems can cause overrich fuel flow into the three-way catalyst, causing it to overheat. Do not keep driving if the engine misfires, or if noticeable loss of performance or other unusual operating conditions are detected. Have the vehicle inspected. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service.
- Avoid driving with an extremely low fuel level. Running out of fuel could cause the engine to misfire, damaging the three-way catalyst.
- Do not race the engine while warming it up.
- Do not push or tow your vehicle to start the engine.

Tire Pressure Monitoring System (TPMS)

N07700400084



Low tire pressure warning light

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

As an added safety feature, your vehicle has been equipped with a tire pressure monitoring system (TPMS) that illuminates a low tire pressure telltale when one or more of your tires is significantly under-inflated. Accordingly, when the low tire pressure telltale illuminates, you should stop and

Precautions when starting and driving

check your tires as soon as possible, and inflate them to the proper pressure. Driving on a significantly under-inflated tire causes the tire to overheat and can lead to tire failure. Under-inflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability.

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

Your vehicle has also been equipped with a TPMS malfunction indicator to indicate when the system is not operating properly. The TPMS malfunction indicator is combined with the low tire pressure telltale. When the system detects a malfunction, the telltale will flash for approximately one minute and then remain continuously illuminated. This sequence will continue upon

subsequent vehicle start-ups as long as the malfunction exists. When the malfunction indicator is illuminated, the system may not be able to detect or signal low tire pressure as intended. TPMS malfunctions may occur for a variety of reasons, including the installation of replacement or alternate tires or wheels on the vehicle that prevent the TPMS from functioning properly. Always check the TPMS malfunction telltale after replacing one or more tires or wheels on your vehicle to ensure that the replacement or alternate tires and wheels allow the TPMS to continue to function properly.

Whenever the tires and wheels are replaced with new ones

If new wheels with new tire inflation pressure sensors are installed, their ID codes must be programmed into the tire pressure monitoring system. When

replacing the TPMS sensor, the ID registration may be required. It is recommended you visit a Nissan Electric Vehicle certified dealer for ID registration.

Additional information

- The TPMS will activate only when the vehicle is driven at speeds above 16 MPH (25 km/h). Also, this system may not detect a sudden drop in tire pressure (for example a flat tire while driving).
- The low tire pressure warning light does not automatically turn off when the tire pressure is adjusted. After the tire is inflated to the recommended pressure, the vehicle must be driven at speeds above 16 MPH (25 km/h) to activate the TPMS and turn off the low tire pressure warning light. Use a tire pressure gauge to check the tire pressure.

- The “Tire Pressure Low - Add Air” warning appears in the vehicle information display when the low tire pressure warning light is illuminated and low tire pressure is detected. The “Tire Pressure Low - Add Air” warning turns off when the low tire pressure warning light turns off. The “Tire Pressure Low - Add Air” warning does not appear if the low tire pressure warning light illuminates to indicate a TPMS malfunction.
- You can also check the tire pressure of all tires in the vehicle information display. (See “Trip computer” on page 207.)

For additional information, see “Low tire pressure warning light” section under “Warning/indicator lights (yellow)” on page 165 and “Tire Pressure Monitoring System (TPMS)” on page 514.

WARNING

- If the low tire pressure warning light illuminates while driving, avoid sudden steering maneuvers or abrupt braking, reduce vehicle speed, pull off the road to a safe location and stop the vehicle immediately. Driving with under-inflated tires may permanently damage the tires and increase the likelihood of tire failure. Serious vehicle damage could occur and may lead to an accident and could result in serious personal injury. Check the tire pressure for all four tires. Adjust the tire pressure to the recommended COLD tire pressure shown on the Tire and Loading Information placard to turn the low tire pressure warning light OFF. If you have a flat tire, repair it with the emergency tire puncture repair kit immediately. (See “Flat tire” on page 514 for repairing a tire.)
- If no tire is flat and all tires are properly inflated, it is recommended you consult a Nissan Electric Vehicle certified dealer.

WARNING

- When replacing a wheel without the TPMS, the TPMS will not function and the low tire pressure warning light will flash for approximately 1 minute. The light will remain on after 1 minute. It is recommended you consult a Nissan Electric Vehicle certified dealer.
- Replacing tires with those not originally specified by NISSAN could affect the proper operation of the TPMS.
- To help avoid serious personal injury or death, when checking your tire pressure, either as part of routine maintenance or because of a TPMS alert, please check the pressure in all of your tires. Driving on underinflated tires can cause tire failure and interfere with the proper operation of other vehicle systems.

Precautions when starting and driving

CAUTION

- Tire pressure increases or decreases due to generation of heat during driving and changes in ambient temperature. In particular, when the outside temperature is low, the air inside the tires cool down, potentially lowering the tire pressure, which may trigger the low tire pressure warning light to illuminate.
- The TPMS may not function properly when the wheels are equipped with tire chains or the wheels are buried in snow.
- Do not place metalized film or any metal parts (antenna, etc.) on the windows. This may cause poor reception of the signals from the tire pressure sensors, and the TPMS will not function properly.

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

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

Low tire pressure warning light may illuminate in the following cases.

- If the vehicle is equipped with a wheel and tire without TPMS.
- If the TPMS has been replaced and the ID has not been registered.
- If the wheel is not originally specified by NISSAN.

FCC Notice:

For USA:

Tire Pressure Monitoring System (TPMS) transmitter

FCC ID: KR5TIS-10DL

This device complies with Part 15 of the FCC Rules. Operation is

subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Body Control Module (BCM)



40406556

Continental

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

⚠ CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

For Canada:
Tire Pressure Monitoring Sys-
tem (TPMS) transmitter
Continental

Model: TIS-10DL
IC: 7812D-TIS10DL

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1)

l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Body Control Module (BCM)

Model: 40406556
IC: 7812D-5235RXDP
Continental

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur

de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

TPMS with Tire fill notification

⚠ WARNING

After rotating the tires, do not use the Tire fill notification to adjust the tire pressure. Instead use a gauge to adjust the tires to the correct pressure in accordance with Tire ad Loading Information placard.

When adding air to an under-inflated tire, the TPMS with Tire fill notification provides visual and audible signals outside the vehicle to help you inflate the tires to the recommended COLD tire pressure.

Precautions when starting and driving

■ Vehicle set-up

1. Park the vehicle in a safe and level place.
2. Apply the parking brake and push the electrical parking switch to shift to the P (Park) position.
3. Place the push-button power switch in the ON position. Do not start the Plug-in Hybrid system.

■ Operation

1. Add air to the tire.
2. After a few seconds, the hazard indicators will start flashing.
3. When the designated pressure is reached, the horn beeps once and the hazard indicators stop flashing.
4. Perform the above steps for each tire.

- If the tire is over-inflated more than approximately 4 psi (30 kPa), the horn beeps and the hazard indicators flash 3 times. To correct the pressure, push the core of the valve stem on the tire briefly to release pressure. When the pressure reaches the designated pressure, the horn beeps once.
- If the hazard indicator does not flash within approximately 15 seconds after starting to inflate the tire, it indicates that the TPMS with Tire fill notification is not operating.
- The TPMS will not activate the Tire fill notification under the following conditions:
 - If there is interference from an external device or transmitter
 - The air pressure from the inflation device such as those using a power socket is not sufficient to inflate the tire
 - If an electrical equipment is being used in or near the vehicle
 - There is a malfunction in the TPMS system

- There is a malfunction in the horn or hazard indicators
- If the TPMS with Tire fill notification does not operate due to TPMS interference, move the vehicle approximately 3 ft (1 m) backward or forward and try again.

If the TPMS with Tire fill notification is not working, use a tire pressure gauge.

Avoiding collision and rollover

N07700500056

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 maneuvers, 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 "Seat belts" on page 89 of 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 person is significantly more likely to die than a person wearing a seat belt.**

On-pavement and off-road driving precautions

N07700600057

Utility vehicles have a significantly higher rollover rate than other types of vehicles.

They have higher ground clearance than passenger cars to make them capable of performing in a variety of on-pavement and off-road applications. This gives them a higher center of gravity than ordinary cars. An advantage of higher ground clearance is a better view of the road, allowing you to anticipate problems. However, they are not designed for cornering at the same speeds as conventional passenger cars any more than low-slung sports cars are designed to perform satisfactorily under off-road conditions. If at all possible, avoid sharp turns or abrupt maneuvers, particularly at high speeds. As with other vehicles of this type, failure to operate

this vehicle correctly may result in loss of control or vehicle rollover. Seat belts help reduce the risk of injury in collisions and rollovers. In a rollover crash, an unbelted person is significantly more likely to die than a person wearing a seat belt.

Be sure to read "Driving safety precautions" on page 349.

Off-road recovery

N07700700029

If the right side or left side wheels leave the road surface, 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.

1. Remain calm and do not over-react.
2. Do not apply the brakes.

3. Maintain a firm grip on the steering wheel with both hands and try to hold a straight course.
4. When appropriate, slowly release the accelerator pedal to gradually slow the vehicle.
5. 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.
6. When it is safe to do so, gradually turn the steering wheel until both tires return to the road surface. When all tires 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

NO7700800059

Rapid air pressure loss or a “blow-out” can occur if the tire is punctured or is damaged due to hitting a curb or pothole. Rapid air pressure loss can also be caused by driving on under-inflated tires. Rapid air pressure loss can affect the handling and stability of the vehicle, especially at highway speeds.

Help prevent rapid air pressure loss by maintaining the correct air pressure and visually inspect the tires for wear and damage. See “Tires” on page 559 of this manual.

If a tire rapidly loses air pressure or “blows-out” while driving, 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.

WARNING

The following actions can increase the chance of losing control of the vehicle if there is a sudden loss of tire 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 tire.
- 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 over-react.
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 tire or see "Emergency tire puncture repair kit and tools" on page 514 of this Owner's Manual.

Drinking alcohol/drugs and driving

N07700900047

WARNING

Never drive under the influence of alcohol or drugs. Alcohol in the bloodstream reduces coordination, delays reaction time and impairs judgment. 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! And that is true for drugs, too (over-the-counter, prescription, and illegal drugs). Don't drive if your ability to operate your vehicle is impaired by alcohol, drugs, or some other physical condition.

Driving safety precautions

N07701000045

Your vehicle has been designed for both normal and occasional off-road use. However, avoid driving the vehicle through areas where the tires may get stuck in deep sand or mud as your vehicle is designed primarily for use on pavement, unlike a conventional off-road vehicle.

Please observe the following precautions:

WARNING

- **Drive carefully when off the road and avoid dangerous areas. Every person who drives or rides in this vehicle should be seated with their seat belt fastened. This will keep you and your passengers in position when driving over rough terrain.**
- **Do not drive across steep slopes. Instead drive either straight up or straight down the slopes. Off-road vehicles can tip over sideways much more easily than they can forward or backward.**
- **Many hills are too steep for any vehicle. If you drive up them, you may stall. If you drive down them, you may not be able to control your speed. If you drive across them, you may roll over.**
- **Do not shift into different gear ranges while driving on downhill grades as this could cause loss of control of the vehicle.**

WARNING

- Stay alert when driving to the top of a hill. At the top there could be a drop-off or other hazard that could cause an accident.
- If your Plug-in Hybrid system stalls or you cannot make it to the top of a steep hill, never attempt to turn around. Your vehicle could tip or roll over. Always back straight down in R (Reverse) range. Never back down in N (Neutral), using only the brake, as this could cause loss of control.
- Heavy braking going down a hill could cause your brakes to overheat and fade, resulting in loss of control and an accident. Apply brakes lightly and use a low range to control your speed.
- Unsecured cargo can be thrown around when driving over rough terrain. Properly secure all cargo so it will not be thrown forward and cause injury to you or your passengers.

WARNING

- To avoid raising the center of gravity excessively, do not exceed the rated capacity of the roof rack (if so equipped) and evenly distribute the load. Secure heavy loads in the cargo area as far forward and as low as possible. Do not equip the vehicle with tires larger than specified in this manual. This could cause your vehicle to roll over.
- Do not grip the inside or spokes of the steering wheel when driving off-road. The steering wheel could move suddenly and injure your hands. Instead drive with your fingers and thumbs on the outside of the rim.
- Before operating the vehicle, ensure that the driver and all passengers have their seat belts fastened.
- Always drive with the floor mats in place as the floor may become hot.

WARNING

- Lower your speed when encountering strong crosswinds. With a higher center of gravity, your vehicle is more affected by strong side winds. Slower speeds ensure better vehicle control.
- Do not drive beyond the performance capability of the tires, even with AWD engaged.
- Do not attempt to raise two wheels off the ground and shift the transaxle to any drive or reverse position with the Plug-in Hybrid system operating. Doing so may result in drivetrain damage or unexpected vehicle movement which could result in serious vehicle damage or personal injury.

WARNING

- Do not attempt to test an AWD vehicle on a 2-wheel dynamometer (such as the dynamometers used by some countries, provinces and states for emissions testing), or similar equipment even if the other two wheels are raised off the ground. Make sure you inform test facility personnel that your vehicle is AWD before it is placed on a dynamometer. Using the wrong test equipment may result in drivetrain damage or unexpected vehicle movement which could result in serious vehicle damage or personal injury.
- When a wheel is off the ground due to an uneven surface, do not spin the wheel excessively.
- Accelerating quickly, sharp steering maneuvers or sudden braking may cause loss of control.

WARNING

- If at all possible, avoid sharp turning maneuvers, particularly at high speeds. Your vehicle has a higher center of gravity than a conventional passenger car. The vehicle is not designed for cornering at the same speeds as conventional passenger cars. Failure to operate this vehicle correctly could result in loss of control and/or a rollover accident.
- Always use tires of the same type, size, brand, construction (bias, bias-belted or radial), and tread pattern on all four wheels. Install traction devices on the front wheels when driving on slippery roads and drive carefully.
- Be sure to check the brakes immediately after driving in mud or water. See "Brake system" on page 493 for wet brakes.
- Avoid parking your vehicle on steep hills. If you get out of the vehicle and it rolls forward, backward or sideways, you could be injured.

WARNING

- Whenever you drive off-road through sand, mud or water as deep as the wheel hub, more frequent maintenance may be required.
- Spinning the front wheels on slippery surfaces may cause the AWD warning message to display.

CAUTION

Always use tires of the same size, type, and brand that have no wear differences. Using tires of different size, type, brands or degree of wear, will increase the differential oil temperature and result in possible damage to the driving system. Further, the drive train will be subject to excessive loading, possibly leading to oil leakage, component seizure, or other serious failures.

NOTE

When moving out of mud, sand or fresh snow, pressing the accelerator pedal may not allow the power drive unit output to increase.

Push-button power switch

NOTE

In such situations, switching to MUD mode with the drive mode selector and temporarily turning off the Vehicle Dynamic Control (VDC) system with the VDC OFF switch.

Refer to "How to turn off the VDC" on page 498.

Push-button power switch

N07701100059

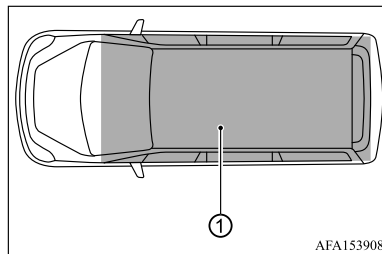
WARNING

Do not operate the push-button power switch while driving the vehicle except in an emergency. (The Plug-in Hybrid system will stop when the push-button power switch is rapidly pushed 3 consecutive times or the push-button power switch is pushed and held for more than 2 seconds.) If the Plug-in Hybrid system stops while the vehicle is being driven, this could lead to a crash and serious injury.

Before operating the push-button power switch, be sure to push

the electrical parking switch to shift to the P (Park) position.

Operating range for Plug-in Hybrid system start function



AFA153908

The Intelligent Key can only be used for starting the Plug-in Hybrid 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 operating range becomes narrower and may not function properly.

If the Intelligent Key is within the operating range, it is possible for anyone, even someone who does not carry the Intelligent Key, to push the push-button power switch to start the Plug-in Hybrid system.

- 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 the door or window outside the vehicle, the Intelligent Key may function.

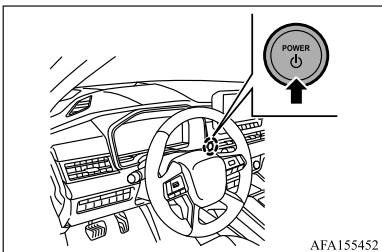
Push-button power switch operation

CAUTION

- Do not leave the vehicle for extended periods of time when the push-button power switch is in the ON position and the Plug-in Hybrid system is not operating. This can discharge the battery.

CAUTION

- Use electrical accessories with the Plug-in Hybrid system operating to avoid discharging the vehicle battery. If you must use accessories while the Plug-in Hybrid system is not running, do not use them for extended periods of time and do not use multiple electrical accessories at the same time.
- If the Plug-in Hybrid system is repeatedly turned on and off within a short period of time, the protection function of the Li-ion battery will work and it is possible that you will not be able to activate the Plug-in Hybrid System. (See "Recovery operation of Plug-in Hybrid system" on page 513.)



When the push-button power switch is pushed without depressing the brake pedal, the push-button power switch will illuminate.

Push the push-button power switch center:

- once to change to ON.
- two times to change to OFF.

The push-button power switch will automatically return to the LOCK position when any door is either opened or closed with the switch in the OFF position.

The push-button power switch lock is designed so that the push-button power switch position cannot be switched to OFF until the shift lever is moved to the P (Park) position.

When the push-button power switch cannot be pushed toward the OFF position, proceed as follows:

1. Push the electrical parking switch to shift to the P (Park) position.

Push-button power switch

2. Push the push-button power switch. The push-button power switch position will change to the ON position.
3. Push the push-button power Switch again to the OFF position.

The shift lever can be moved from the P (Park) position if the push-button power Switch is in the ON position and the brake pedal is depressed.

Push-button power switch positions

N07701200047

LOCK (Normal parking position)

The push-button power switch can only be locked at this position.

The push-button power switch will lock when any door is opened or closed with the push-button power switched off.

ON (Normal operating position)

The vehicle power system and the electrical accessory power activate at this position without the Plug-in Hybrid system turned on.

The ON position has a battery saver feature that will place the push-button power switch in the OFF position, if the vehicle is not running, after some time under the following conditions:

- all doors are closed.
- vehicle is in P (Park) position.

OFF position

The Plug-in Hybrid system is turned off in this position.

Auto ACC position

With the vehicle in the P (Park) position, the Intelligent Key with you and the push-button power

switch placed from ON to OFF, the radio can still be used for a period of time, or until the driver's door is opened. After a period of time, functions such as radio, navigation and Bluetooth® Hands-Free Phone System may be restarted by turning on the audio system (see the separate NissanConnect® Owner's Manual), or by pushing the UNLOCK button on the Intelligent Key for up to a total of 30 minutes.

Emergency Plug-in Hybrid system shut off

N07701300048

To shut off the Plug-in Hybrid system in an emergency situation while driving or when the Intelligent Key battery is discharged, perform either of the following procedure:

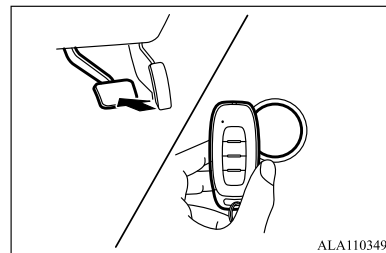
- Rapidly push the push-button power switch 3 consecutive times.

- Push and hold the push-button power switch for more than 2 seconds.

After engine shut-off, open the door to return to the normal condition.

Intelligent Key battery discharge

N07701400049



ALA110349

If the battery of the Intelligent Key is discharged, or environmental conditions interfere with the Intelligent Key operation, start the Plug-in Hybrid system according to the following procedure:

1. Push the electrical parking switch to shift to the P (Park) position.
2. Firmly apply the foot brake.
3. Touch the push-button power switch with the Intelligent Key as illustrated. (A chime will sound.)
4. Push the push-button power switch while depressing the brake pedal within 10 seconds after the chime sounds. The Plug-in Hybrid system will start.

After step 3 is performed, when the push-button power switch is pushed without depressing the brake pedal, the push-button power switch position will change to ON.

NOTE

- When the push-button power switch is pushed to the ON position or the Plug-in Hybrid system is started by the above procedures, the "Key Battery Low" warning appears (on the vehicle information display) even if the Intelligent Key is inside the vehicle. This is not a malfunction. To turn off the warning, touch the push-button power switch with the Intelligent Key again.
- If the "Key Battery Low" warning appears (on the vehicle information display), replace the battery as soon as possible. (See "Intelligent Key battery replacement" on page 554.)

Before starting the Plug-in Hybrid system

N07701500040

- Make sure the area around the vehicle is clear.

- Check fluid levels such as engine oil, coolant, brake fluid, and window washer fluid as frequently as possible, or at least whenever you refuel.
- Check that all windows and lights are clean.
- Visually inspect tires for their appearance and condition. Also check tires for proper inflation.
- Lock all doors.
- Position seat and adjust head restraints.
- Adjust inside and outside mirrors.
- Fasten seat belts and ask all passengers to do likewise.
- Check the operation of warning lights when the push-button power switch is placed in the ON position. (See "Warning lights, indicator lights and audible reminders" on page 160.)

Starting and stopping the Plug-in Hybrid System

Starting and stopping the Plug-in Hybrid System

N07701600041

Starting the Plug-in Hybrid System

CAUTION

- When the Plug-in Hybrid System warning light comes on while the READY to drive indicator light is on, avoid high-speed driving and have your vehicle inspected as soon as possible. It is recommended you visit a Nissan Electric Vehicle certified dealer. (For additional information about "Plug-in Hybrid System warning light", refer to "Warning/indicator lights (yellow)" on page 165.)
- Never attempt to start the Plug-in Hybrid system by pushing or pulling the vehicle.

1. Check that the EVSE (Electric Vehicle Supply Equipment) is not connected to your vehicle.

2. Fasten the seat belt.
3. Make sure the parking brake is applied and the vehicle is in the P (Park) position.
4. Press and hold the brake pedal down firmly with your right foot.
5. When you press the push-button power switch while depressing the brake pedal, the READY to drive indicator light in the vehicle information display blinks and the activation of Plug-in Hybrid System starts.
6. When the READY to drive indicator light changes from blinking to staying on, the startup of Plug-in Hybrid System is activated and the vehicle is now ready to drive.

CAUTION

Do not press the push-button power switch while holding the select lever at the operated position.

NOTE

- Continue to depress the brake pedal until the READY to drive indicator light in the vehicle information display stays on.
- After the Plug-in Hybrid System has not started for a while, the brake pedal effort needed to start the Plug-in Hybrid System may become greater. If this occurs, depress the brake pedal more than usual.
- You can drive your vehicle even if the engine is stopped.
- Plug-in Hybrid System can be started in any operation mode.
- If the READY to drive indicator light does not come on, check the shift lever position indicator. If the indicator is not indicating "P", press the electrical parking switch to display "P" position.
- If the READY to drive indicator light does not come on, turn the push-button power switch to OFF once and, after a while, press the push-button power switch to start Plug-in Hybrid System.

Stopping the Plug-in Hybrid System

1. Stop your vehicle completely.
2. Apply the parking brake firmly while depressing the brake pedal.
3. After pressing the electrical parking switch, press the push-button power switch to stop Plug-in Hybrid System. (Refer to "Electrical parking switch" on page 363.)

WARNING

Never stop Plug-in Hybrid System during running except in emergency. The effectiveness of the brake becomes very poor and the steering wheel becomes very heavy, which can easily lead to an accident.

NOTE

- Do not operate the push-button power switch during running except in emergency. If you have to stop Plug-in Hybrid System in emergency during running, push and hold the push-button power switch for more than 2 seconds or rapidly push the push-button power switch 3 consecutive times. Plug-in Hybrid System stops, the operation mode turns to Auto ACC, and the shift lever position shifts to the "P" position at very slow speed.
- If you press the push-button power switch when the shift lever position is other than "P" position while your vehicle is stopped, the shift lever position automatically shifts to "P" position, Plug-in Hybrid System stops, and the power mode turns to "OFF".

NOTE

- If the parking lock mechanism is faulty, a warning is displayed on the information screen in the vehicle information display. When this warning is displayed, Plug-in Hybrid System cannot be stopped unless you apply the parking brake and then press the push-button power switch. Park on a flat place with the parking brake securely applied. Have your vehicle inspected. It is recommended you visit a Nissan Electric Vehicle certified dealer.
- If the Plug-in Hybrid system was stopped soon when the engine and Plug-in Hybrid system is hot, the cooling fan may operate for a while after the Plug-in Hybrid system was stopped to cool the components in the engine compartment. Therefore, the operation sound of the cooling fans may be heard even after the engine is stopped. This sound is normal and does not indicate a malfunction. After operating for a period of time, the cooling fans will stop automatically.

Driving the vehicle

NOTE

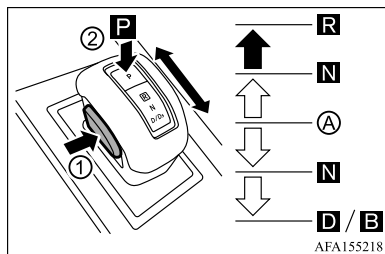
- Approximately 6 hours after the Plug-in Hybrid system is turned off, you may hear operating sounds from under the vehicle for several minutes. This is the sound checking the fuel evaporation leakage. This is normal.

Driving the vehicle

N07701700026

Shift lever operation

N07701800043



- Ⓐ Home position (central position)

The shift lever always returns to its home Ⓐ position when it is released.

The position you select with the shift lever will be illuminated on the shift position panel located on the shift lever, or displayed on the vehicle information display. To move the shift lever,

- ➡: Push the button ① to shift.
- ⇨: Shift without pushing the button ①.

Push the electrical parking switch ② to shift to the P (Park) position. After starting the Plug-in Hybrid system, fully depress the brake pedal, move the shift lever from home position to any of the desired shift positions.

To select "N" (Neutral) position, hold the shift lever at N position until N is displayed on the vehicle information display.

The "B" (Regenerative Brake) position can only be selected while the shift position is in "D" (Drive) position. When the shift lever is

moved to the "B" position, the regenerative brake force will become stronger.

To return to the "D" position, use the shift lever to select the "D" position.

WARNING

- Do not replace the shift lever knob with anything other than a genuine NISSAN part. In addition, do not hang, attach or place any object, pouch or bag around the shift lever. The shift lever may unintentionally move resulting in an accident.
- Before moving the shift lever to the "D" (Drive) or "R" (Reverse) position from the "P" (Park) or "N" (Neutral) position, always depress the brake pedal firmly with your right foot and never depress the accelerator pedal. Failure to follow this recommendation could result in abrupt, unintended vehicle movement and/or damage to vehicle components.

 NOTE

- While the Intelligent Cruise Control (ICC) is operating, the level of the regenerative brake cannot be changed by shifting to the "B" (Regenerative Brake) position or operating the regenerative braking level selector.
- When operating the shift lever, always make sure that the shift lever position indicator on the vehicle information display changes to the selected select position.
- If the following operation is performed, a buzzer may sound and the select position may automatically be shifted to the "N" (Neutral) position.
 - If the Electrical parking switch is pressed while the vehicle is in motion.
 - If the shift lever is moved to the "R" (Reverse) position while the vehicle is moving forward.
 - If the shift lever is moved to the "D" (Drive) position while the vehicle is moving backward.

 NOTE

- If the following operation is performed using the shift lever, a buzzer will sound and the shift lever operation will be canceled.
 - While the select position is in the "P" position, the shift lever is moved without depressing the brake pedal.
 - When the operation mode of the push-button power switch is in ON and the READY to drive indicator light is not illuminated, the shift lever is moved to the "D" (Drive) or "R" (Reverse) position.
- If the driver's door is opened and the seatbelt is unfastened while the vehicle is stationary with the shift position in any position other than "P" or the vehicle is moving slowly and the READY to drive indicator light is illuminated, the parking lock function will be activated and the "P" (Park) position may be automatically selected.

Select position display

N07701900031

When the operation mode of the push-button power switch is put in ON, the selected select position is shown on the vehicle information display.

 NOTE

When the "B" (Regenerative Brake) position is selected, the regenerative braking force level is also displayed.

Select positions

N07702000039

"P" PARK

This position locks the wheels to prevent the vehicle from moving.

WARNING

Before leaving the vehicle, make sure that the electrical parking switch has been pressed, "P" is displayed on the vehicle information display and the parking brake is firmly applied to prevent the vehicle from rolling away.

"R" REVERSE

This position is used to back up.

"N" NEUTRAL

This position should only be used when the vehicle is stationary for an extended length of time while driving, such as in a traffic jam.

WARNING

- Never move the shift lever to the "N" (Neutral) position while the vehicle is moving. The regenerative braking will be lost.

WARNING

- Always depress the brake pedal firmly with your right foot when shifting into or out of "N" (Neutral) to avoid unintended vehicle movement.

"D" DRIVE

This position is for normal driving.

"B" REGENERATIVE BRAKE

Use this position when strong regenerative braking is required, such as on a steep downhill.

WARNING

- While driving on a slippery road, do not use the "B" (Regenerative Brake) position. Abruptly releasing the accelerator pedal can apply strong regenerative braking causing the vehicle to skid which could result in an accident.

WARNING

- If a large regenerative braking force is applied by using the shift lever or the regenerative braking level selector, the stop lights will be automatically illuminated.

NOTE

When the Li-ion battery level is full or nearly full, or the Li-ion battery temperature is too hot or too cold, regenerative braking force may be reduced and stronger effort may be required to operate the brakes.

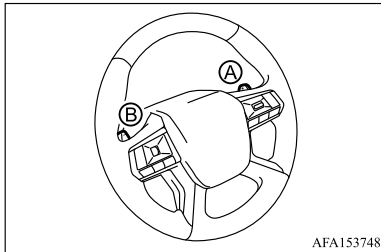
Regenerative braking level selector (paddle type)

N07702100030

While the "D" (Drive) or "B" (Regenerative Brake) position is selected, the regenerative braking force level can be changed by pulling one of the regenerative braking force paddle selectors toward you. One of six regenerative brak-

ing force levels, B0 (without regenerative braking), or B1 (weakest level) to B5 (strongest level), can be selected.

When stronger regenerative braking is applied, more energy will be charged to the Li-ion battery. Refer to "Plug-in Hybrid System" on page 18.



- To decrease the regenerative braking force: Pull the "+" (A) selector.
The regenerative braking force will become weaker by one level with each operation.
- To increase the regenerative braking force: Pull the "-" (B) selector.

The regenerative braking force will become stronger by one level with each operation.

- To return to the normal regenerative braking force level (B2), pull and hold the "+" (A) selector for two seconds or more. When the regenerative braking force is returned to the default level (B2), "D" will be displayed on the vehicle information display.

⚠ WARNING

When a stronger regenerative braking force level is selected and the vehicle is driven on a slippery road, if the accelerator pedal is abruptly released, strong regenerative braking force will be applied which could cause the vehicle to skid and result in an accident.

Always select a suitable regenerative braking force level for the road condition.

NOTE

- The regenerative braking force level may not change when the lateral regenerative braking level selectors are operated at the same time.
- Repeated continuous operation of the regenerative braking level selector will continuously change the regenerative braking brake force levels.
- If you turn on the cruise control while a weaker braking force level (B0 or B1) is selected, the regenerative braking force level will automatically return to the normal level (B2). Also, while the cruise control is operating, the regenerative braking force levels B0 and B1 cannot be selected. A buzzer will sound if you attempt to select these levels.
- On vehicles equipped with the Intelligent Cruise Control (ICC), and while the Intelligent Cruise Control (ICC) is operating, the regenerative braking force level cannot be changed from the normal level (B2). If the regenerative braking level selector is operated, a buzzer will sound.

NOTE

- If the TARMAC or POWER mode is selected by the drive mode selector (refer to "Drive Mode Selector" on page 378), the braking force level will automatically be changed to B5. After the B5 level has been selected, you can change the braking force level manually. If the mode other than TARMAC or POWER is selected, the select position will automatically be changed to "D" (Drive) position.

Regenerative braking level display

When the regenerative braking level selector is operated or the "B" (Regenerative Brake) is selected, the selected regenerative braking force level (B0 to B5) will be shown on the vehicle information display.

Operation of the transaxle

NO7702200031

CAUTION

- Before selecting a select position with the Plug-in Hybrid system operating and the vehicle stationary, firmly depress the brake pedal to prevent the vehicle from creeping.
The vehicle will begin to move as soon as the transaxle is engaged, and the brakes should only be released when you are ready to drive away.
- Always depress the brake pedal with the right foot.
Using the left foot could cause delayed driver reaction or driver confusion.
- Operating the accelerator pedal while the other foot is resting on the brake pedal will affect braking efficiency and may cause premature brake pad wear.

Waiting

For short waiting periods, such as at traffic lights, the vehicle can be left in select position and held stationary with the service brake. For longer waiting periods with the Plug-in Hybrid system operating, put the select position in the "N" (Neutral) position and apply the parking brake, while holding the vehicle stationary with the service brake.

Prior to moving off after having stopped the vehicle, make sure that the select position is in "D" (Drive) position.

CAUTION

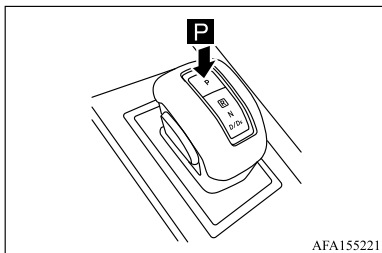
Never hold the vehicle stationary on a hill with the accelerator. This could cause transaxle failure and/or power restriction. Always apply the parking brake and/or service brake to hold the vehicle.

Parking

To park the vehicle, first bring it to a complete stop, firmly apply the parking brake, and then press the electrical parking switch. When leaving the vehicle unattended, always stop the Plug-in Hybrid system and bring the key.

Electrical parking switch

NO7702300032



AFA155221

⚠ WARNING

- **Never press the electrical parking switch while the vehicle is in motion.**
Doing so while the vehicle is moving at low speed may also cause shifting to the "P" (Park) position and stop the vehicle abruptly. This can damage the vehicle and/or could result in injury to occupants.
- **To avoid unintended actuation of the "P" (Park) position switch, never place an object on the switch.**
Unintentional shifting to the "P" (Park) position can lead to an accident.

⚠ CAUTION

- If a problem occurs with the electrical parking switch system, a warning will be displayed on the vehicle information display. If this warning is displayed, have your vehicle inspected immediately. It is recommended you visit a Nissan Electric Vehicle certified dealer.

⚠ CAUTION

- Do not spill liquid, such as a beverage, on the electrical parking switch. This can cause the electrical parking switch to malfunction.

📖 NOTE

- When shifting to or from the "P" (Park) position, you may hear an operation noise and/or feel vibration. This is normal.
- If the electrical parking switch and the shift lever are repeatedly operated in a short time period, shifting from or to the "P" (Park) position will temporarily be restricted to protect the system. If this occurs, wait for a while and then operate the electrical parking switch or the shift lever again.

Parking brake

NOTE

- If the driver's door is opened and the seatbelt is unfastened while the vehicle is stationary with the shift position in any position other than "P" or the vehicle is moving slowly and the READY to drive indicator light is illuminated, the parking lock function will be activated and the "P" (Parking) position may be automatically selected.

Electrical Parking switch reminder buzzer

If the vehicle is stationary and the driver's door is opened while the select position is not in the "P" (Park) position, a buzzer will sound to remind you to press the electrical parking switch.

Parking brake

N07702400088

WARNING

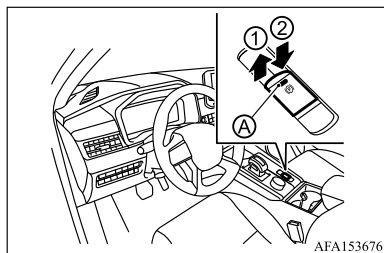
- **Never drive the vehicle with the parking brake applied. The brake will overheat and fail to operate and will lead to an accident.**
- **Never release the parking brake from outside the vehicle. If the vehicle moves, it will be impossible to push the foot brake pedal and will lead to an accident.**
- **Never use the shift lever in place of the parking brake. When parking, be sure the parking brake is fully applied.**

WARNING

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

CAUTION

Do not place anything near the parking brake switch. Doing so may lead the electronic parking brake system warning light illuminating. If this occurs, remove the item and if the warning light goes off after 10 seconds, there is not a malfunction.



The electric parking brake can be released automatically or by operating the parking brake switch.

Automatic operation

The electric parking brake is automatically released as soon as the vehicle starts while the accelerator pedal is depressed under the following conditions.

- while the Plug-in Hybrid system is operating.
- when the shift lever is in the D (Drive) or R (Reverse) position.
- when the driver's door is closed.

WARNING

Before leaving the vehicle, move the shift lever to the P (Park) position and check that the electronic parking brake warning light is illuminated to confirm that the electric parking brake is applied. The electronic parking brake warning light will remain on for a period of time after the driver's door is locked.

CAUTION

When parking in an area where the outside temperature is below 32°F (0°C), do not apply the parking brake to prevent it from freezing.

For safe parking, place the shift lever in the P (Park) position and securely block the wheels.

NOTE

- If a malfunction occurs in the electric parking brake system (for example, due to battery discharge), it is recommended to contact a Nissan Electric Vehicle certified dealer.

NOTE

- If the shift lever is moved to the P (Park) position when the brake force is maintained by the automatic brake hold function, the electric parking brake will apply automatically.
- If the driver's seat belt is unfastened when the brake force is maintained by the automatic brake hold function, the electric parking brake will apply automatically.
- If the push-button power switch is placed in the OFF position when the brake force is maintained by the automatic brake hold function, the electric parking brake will apply automatically.
- Before driving, make sure that the electronic parking brake system warning light is OFF.

Manual operation

To apply: When the vehicle is stopped, pull the switch up ①. (The electric parking brake will apply even if the push-button

Parking brake

power switch is placed in the "OFF" position.) The indicator light ① and the electronic parking brake warning light (red) will illuminate.

To release: With the push-button power switch in the ON position, depress the brake pedal and push the switch down ②. The indicator light ① and the electronic parking brake warning light (red) will turn off.

Before driving, check that the electronic parking brake warning light (red) goes out. For additional information, see "Warning lights, indicator lights and audible reminders" on page 160.

NOTE

- While the electric parking brake is applied or released, an operating sound is heard from the lower side of the rear seat. This is normal and does not indicate a malfunction.

NOTE

- When the electric parking brake is frequently applied and released in a short period of time, the electronic parking brake system warning light may blink and the parking brake may not operate in order to prevent the parking brake system from overheating. If this occurs, operate the electric parking brake switch again after waiting approximately 1 minute.
- If the electric parking brake must be applied while driving in an emergency, pull up and hold the parking brake switch. When you release the parking brake switch, the parking brake will be released.

NOTE

- While pulling up the electric parking brake switch during driving, the parking brake is applied and a chime sounds. The electronic parking brake warning light in the meter and in the parking brake switch illuminate. This does not indicate a malfunction. The electronic parking brake warning light in the meter and in the parking brake switch turn off when the parking brake is released.
- When pulling the electric parking brake switch up with the push-button power switch in the OFF or Auto ACC position, the parking brake switch indicator light will continue to illuminate for a short period of time.

Depending on the weight of the vehicle and trailer and the steepness of the slope, there may be a tendency for the vehicle to move backwards when starting from a standstill. When this occurs, you can use the parking brake switch in the same way as a conventional lever type parking brake.

Before starting on sloping roads when towing a trailer, be sure to read the following to prevent the vehicle from moving backward unintentionally.

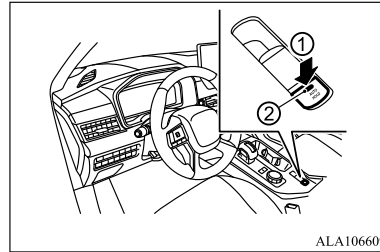
- Push the switch down to release the parking brake switch as soon as the Plug-in Hybrid system is delivering enough torque to the wheels.

Automatic brake hold

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The automatic brake hold function maintains the braking force without the driver having to depress the brake pedal when the vehicle is stopped at a traffic light or intersection.

As soon as the driver depresses the accelerator pedal again, the automatic brake hold function is deactivated and the braking force is released. The operating status of the automatic brake hold can be displayed on the vehicle information display.



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How to use the automatic brake hold function

To put the automatic brake hold function in standby mode

With the push-button power switch in the ON position, push the automatic brake hold switch ①. The indicator light on the automatic brake hold switch ② illuminates.

To maintain braking force automatically

When you keep depressing the brake pedal to stop the vehicle until the automatic brake hold indicator light on the meter turns green, the automatic brake hold function is activated.

To start the vehicle from a standstill

With the selector lever not in the P (Park) or N (Neutral) position, depress the accelerator pedal while the brake force is maintained. The brake force will automatically be released to restart the vehicle.

To deactivate the automatic brake hold function

While the automatic brake hold function is activated, push the

Automatic brake hold

automatic brake hold switch ① to turn off the automatic brake hold indicator light and deactivate the automatic brake hold function.

To deactivate the automatic brake hold function while the vehicle stops, depress the brake pedal firmly and push the automatic brake hold switch ①.

NOTE

- When the automatic brake hold function goes into standby, the automatic brake hold indicator light (white) on the meter illuminates. The automatic brake hold function is activated only under the following conditions:
 - The driver's seat belt is fastened.
 - The vehicle is not in the P (Park) position.
 - The electric parking brake is released.
 - The vehicle is not parked on a steep hill.

NOTE

- While the braking force is maintained, the automatic brake hold indicator light (green) illuminates on the meter.
- While the braking force is released, the automatic brake hold indicator light (white) illuminates on the meter and the automatic brake hold function returns to standby mode.
- When the vehicle stops, but the brake force is not maintained, depress the brake pedal firmly until the automatic brake hold function is activated.
- The automatic brake hold function ON/OFF setting remains even if the push-button power switch is switched OFF.
- When the automatic brake hold function is activated to maintain braking force and the automatic brake hold indicator light (green) illuminates, the parking brake will automatically be applied and the brake force of the automatic brake hold will be released under the following conditions:

NOTE

- The braking force is applied by the automatic brake hold function for 3 minutes or longer.
- The driver's seat belt is unfastened.
- The push-button power switch is placed in the OFF position.
- If a malfunction occurs in the automatic brake hold function.
- The selector lever in the P (Park) position.
- The electric parking brake is applied.

Automatic brake hold precautions

WARNING

- When the vehicle stops but the braking force is not applied, keep depressing the brake pedal to stop the vehicle until the automatic brake hold indicator light on the meter turns green.
If the brake pedal is not depressed firmly or released too soon after stopping the vehicle, the automatic brake hold indicator light (green) on the meter does not illuminate.
- Make sure to firmly depress and hold the brake pedal when turning off the automatic brake hold function while the brake force is applied.

WARNING

When the automatic brake hold function is deactivated, the brake force will be released. This could cause the vehicle to move or roll away unexpectedly. Failure to prevent the vehicle from rolling may result in serious personal injury or property damage.

- Never use the automatic brake hold when the vehicle is stopped on a steep hill or slippery road.
Even if the automatic brake hold function is activated, the vehicle may start moving and this may lead to an unexpected accident.
- When the automatic brake hold function is activated but fails to maintain the vehicle at a standstill, depress the brake pedal to stop the vehicle.
If the vehicle unexpectedly moves due to outside conditions, the chime may sound and automatic brake hold warning may illuminate in the vehicle information display.

WARNING

- Make sure to deactivate the automatic brake hold function under the following conditions:
 - using a car wash
 - towing your vehicle
- Make sure to push the electrical parking switch to shift to the P (Park) position and apply the parking brake under the following conditions.
Failure to do so could cause the vehicle to move or roll away unexpectedly and result in serious personal injury or property damage.
 - parking your vehicle
 - riding on or off the vehicle
 - loading luggage
- To maintain the braking force to keep the vehicle to a standstill, a noise may be heard. This is not a malfunction.

⚠ WARNING

- If any of the following conditions occur, the automatic brake hold function may not function. Have the system checked promptly. It is recommended that you visit a Nissan Electric Vehicle certified dealer for this service.

Failure to operate the vehicle in accordance with these conditions could cause the vehicle to move or roll away unexpectedly and result in serious personal injury or property damage.

- A warning message appears in the vehicle information display.
- The indicator light on the automatic brake hold switch does not illuminate when the switch is pushed.

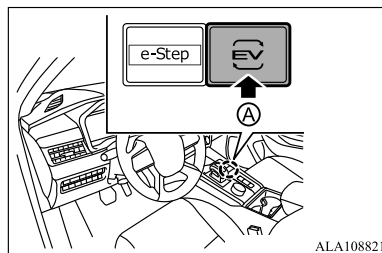
⚠ WARNING

- The automatic brake hold function will not be activated if the slip indicator light, electronic parking brake warning light or master warning light illuminate and the Chassis Control System Error message appears in the vehicle information display.

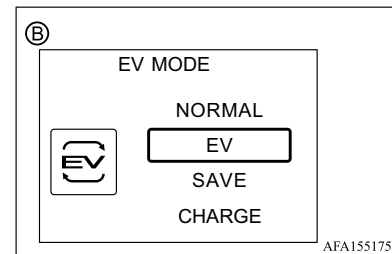
EV mode selector switch

N07702600051

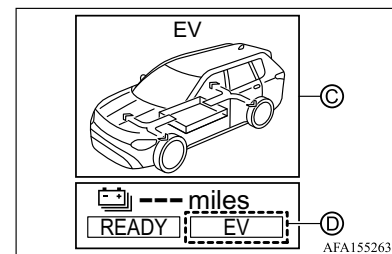
Ⓐ EV mode selector switch



Vehicle information display example ①



Vehicle information display example ②



To switch the EV mode, press the EV mode selector switch ①. If you press the EV mode selector switch with operation mode of the push-button power switch in

ON, you can change the Li-ion battery mode in the order of NORMAL, EV, SAVE, CHARGE, NORMAL.

When you press the EV mode selector switch, the EV mode is displayed on the vehicle information display ⑧. Select a mode and wait for approximately 2 seconds to confirm the mode.

The selected mode is interrupted for a few seconds ⑨ on the vehicle information display and the EV mode indicator ⑩ switches.



NOTE

- Depending on the vehicle and driving conditions, some modes may not be available. The characters are grayed out for the modes that cannot be used.
- If you select an unavailable EV mode, the reason of why the mode is unavailable is displayed on the vehicle information display.

NORMAL mode

Select this mode for normal driving. Both the electric motor and engine will be used in a well-balanced manner.

- When the push-button power switch is in the ON position, the EV mode is set to "AUTO".

EV priority mode

This mode prioritizes utilizing the electric motor to propel the vehicle, and is useful for reducing engine noises and exhaust gas emissions such as in parking garages or residential areas.

- When the push-button power switch is in the ON position, push the EV mode selector switch to select "EV". Even if the accelerator pedal has been roughly depressed, you can drive in EV mode as much as possible.



NOTE

- When TARMAC or POWER mode is selected by the drive mode selector, the EV priority mode cannot be used.
See "Drive Mode Selector" on page 378.
- While the shift position is in "B", if the engine is started to decelerate the vehicle (so called "regenerative brake"), the EV priority mode is not be available. Refer to "Operation of gasoline engine" on page 20.
- The temperature of the Li-ion battery is too high or too low and the Plug-in Hybrid system protect function has been activated, the EV priority mode is not be available.
Refer to "Precautions and actions to deal with intense heat" on page 32.
Refer to "Precautions and actions to deal with intense cold" on page 34.
- While driving the vehicle in EV priority mode, if the engine automatically starts while the vehicle is accelerating, the vehicle may accelerate more quickly.

NOTE

- In any of the situations listed below, the EV priority mode continues even if the engine is automatically started.
- When the accelerator pedal is fully depressed.
- When the defroster switch is pressed.
- When the vehicle speed is over the motor drivable speed range. The engine may also start depending on some other vehicle conditions.
- If the ambient temperature is low, the engine may start for heating when the Plug-in Hybrid system is started with air conditioner performed. If you want not to start the engine, select the EV priority mode with the push-button power switch is in the ON position before starting the Plug-in Hybrid system.
- While the EV priority mode is operating, the response to accelerator pedal operation may become slow.

NOTE

- The motor output in the EV priority mode may decrease due to the deteriorated Li-ion battery or the ambient temperature falls. In such a case, start the engine by canceling the EV priority mode to secure the motor output.

SAVE mode

To save the remaining power in the Li-ion battery while driving, the SAVE mode can be used. This mode helps preserve the electrical power in the Li-ion battery for later use, such as in a residential area, or to use at your destination. The SAVE mode can also be used to reduce electric power consumption from the Li-ion battery during high-speed driving. When the SAVE mode is activated, the engine will start in order to preserve the remaining power of the Li-ion battery and the vehicle will operate in the series hybrid mode or the parallel hybrid mode

depending on the remaining power in the Li-ion battery.

NOTE

- The engine may stop when the vehicle stops or is running.
- Even if the SAVE mode is selected, the engine may not start depending on the condition of the remaining Li-ion battery capacity or the Plug-in Hybrid system control.
- In the following conditions, the SAVE mode cannot be used even if the SAVE mode is selected, a buzzer will sound and the message will appear in the vehicle information display.
- When the engine coolant temperature is high.
- When the remaining fuel quantity is low.
- When the Li-ion battery temperature is cold.
- In any of the situations listed below, the SAVE mode will be automatically canceled and the message will appear in the vehicle information display.
- When the engine coolant temperature becomes high.

 NOTE

- When the remaining fuel quantity becomes low.
- When the Li-ion battery temperature becomes cold.

CHARGE mode

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To charge the Li-ion battery while driving, the CHARGE mode can be used. It is recommended to use this mode before driving up long hills or mountain roads.

When the CHARGE mode is activated, the engine will start to charge the Li-ion battery to nearly full.

 WARNING

- **When you leave the vehicle, be sure to stopped the Plug-in Hybrid System. Refer to "Parking/parking on hills" on page 491.**

 WARNING

- **Only use the CHARGE mode in a well ventilated space.**
The engine will start when the vehicle is in the CHARGE mode, and this can cause carbon monoxide to build up causing carbon monoxide poisoning. Be sure to use at the well-ventilated place.
- **Do not use the CHARGE mode near flammable objects such as dried grass or paper etc.. There is a possibility of starting a fire due to the high exhaust pipe temperature.**

 CAUTION

While the CHARGE mode is activated, do not cover the front of the vehicle with anything including a car cover. Doing so could cause the engine to overheat.

 NOTE

- Even if the CHARGE mode is selected, the engine may not start depending on the condition of the remaining Li-ion battery capacity or the Plug-in Hybrid system control.
- In the following conditions, the CHARGE mode cannot be used even if the CHARGE mode is selected, a buzzer will sound and the message will appear in the vehicle information display.
 - When the engine coolant temperature is high.
 - When the remaining fuel quantity is low.
 - When the Li-ion battery temperature is cold.
- In any of the situations listed below, the CHARGE mode will be automatically canceled and the message will appear in the vehicle information display.
 - When the engine coolant temperature becomes high.
 - When the remaining fuel quantity becomes low.
 - When the Li-ion battery temperature becomes cold.

NOTE

- On a continuous uphill climb, the acceleration and speed of the vehicle may be insufficient if the Li-ion battery charge level is low. It is recommended to select the CHARGE mode by the EV mode switch and the POWER mode by the Drive mode selector (see "Drive mode selector") simultaneously before climbing uphill, in order to increase the battery charge level up to approximately 25 % of full charge. Driving at a moderate speed will increase the amount of charge in the Li-ion battery. When towing, the amount of charge in the Li-ion battery may not increase depending on the weight.
- When using the CHARGE mode a long time with vehicle stopping under high temperature, it may not be charged.
- The charging time close to full charge of the Li-ion battery becomes longer depending on the condition of the Li-ion battery, a driving condition or a environment.

NOTE

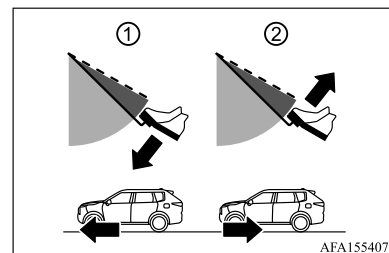
- The engine may stop near full charge, but it will stop sooner at standstill.
- If you use the CHARGE mode, in order to generate electricity using gasoline, the fuel consumption will suffer. We recommend you use considered environment.
- When the engine is started while parking, there is a risk of penalties related to idling stop ordinance. You should use the CHARGE mode with confirming to the relevant municipality. Also, if the engine is started, ensure there is sufficient fuel in the fuel tank so that the engine does not run out of fuel.

e-Step system

N07702800053

WARNING

Never rely solely on the e-Step system, as there is a performance limit to the system function. Always drive carefully and attentively. The brake pedal should be operated to slow or stop the vehicle, depending on traffic or road conditions.



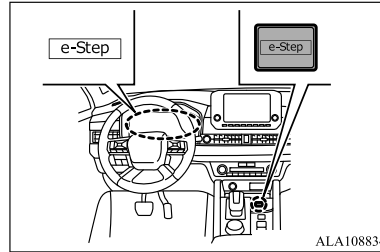
- ① Acceleration
- ② Deceleration (instead of brake pedal)

The e-Step system enables the driver to accelerate or decelerate the vehicle, with optimally con-

trolled regenerative brake and service brake, by operating only the accelerator pedal. This helps assist the driver to save the steps of changing his/her foot on between the accelerator pedal and the brake pedal.

e-Step system operation

When the e-Step system is activated, the regenerative brake is enhanced and the driver can adjust the vehicle speed by only depressing or returning the accelerator pedal. When you release (take your foot off) the accelerator pedal, the vehicle slows down smoothly without depressing the brake pedal.



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The e-Step system will be turned ON or OFF each time the e-Step switch is pushed. (The e-Step indicator in the vehicle information display shows the status of the e-Step system.)

When the e-Step system is activated, the characteristics of the accelerator pedal change significantly and the accelerator pedal operates differently than a conventional one operates. Be sure to confirm the status of the e-Step system (ON or OFF) in the vehicle information display before driving.

System Activation

To activate the e-Step system, place the push-button power switch in the READY to drive or ON position and push the e-Step switch located on the center console.

System deactivation

To deactivate the e-Step system, with the push-button power switch in the READY to drive or ON position and push the e-Step switch.

NOTE

- When the e-Step system is switched to ON or OFF, the degree of vehicle deceleration will change.
- The e-Step system is automatically turned OFF when the Plug-in Hybrid system is restarted.
- The brake pedal may move while the vehicle is decelerating by the e-Step system. This is normal.

e-Step system driving features

The e-Step system provides the following driving features:

■ When driving the vehicle

- Depressing or returning the accelerator pedal will change the degree of acceleration and deceleration accordingly.
- Returning the accelerator pedal generates more deceleration than normal. (The maximum deceleration changes according to the vehicle speed.)
- “Creeping” occurs in the same way as gasoline engine vehicles.
- When the vehicle is stopped, depress the brake pedal.
- The vehicle’s stop lights illuminate when the deceleration level reaches an ordinary braking operation.

If the deceleration is not sufficient when the accelerator pedal is returned or released, depress the brake pedal. The brake pedal can be operated to reduce the vehicle speed in the same way as normal even when the e-Step system is activated.

■ Other driving tips for the e-Step system

- For smooth deceleration when the e-Step system is activated, it is recommended to adjust the accelerator pedal while driving with your foot on it (depressing or returning, but not releasing).
- When the e-Step system is activated, the regenerative braking force level cannot be selected.
- When the e-Step system is activated, the hill descent control system is turned off.
- The e-Step system will not function under the following conditions:

- When the Intelligent Cruise Control (ICC) or Automatic Emergency Braking (AEB) with Pedestrian Detection system is operated.

e-Step system limitations

WARNING

Listed below are the system limitations for the e-Step system. Failure to operate the vehicle in accordance with these system limitations could result in serious injury or death.

- If the deceleration force provided by the e-Step system is not sufficient, depress the brake pedal.
- Under the following conditions the e-Step system may not decelerate the vehicle sufficiently. Depress the brake pedal whenever necessary.

Approaching Vehicle Sound for Pedestrians (VSP)

WARNING

- When excessively heavy baggage is loaded in the rear seat or cargo area of the vehicle, or when vehicle load capacity is exceeded.
- When driving on steep downhill roads.
- When driving on icy roads.

CAUTION

Be careful not to operate the e-Step switch mistakenly or unintentionally.

e-Step system malfunction

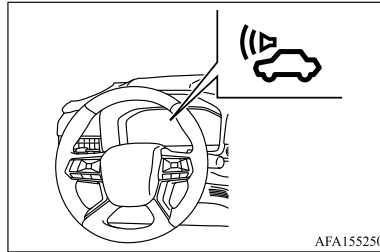
If "e-Step system Unavailable To slow press brake pedal" warning message appears on the vehicle information display, decelerate the vehicle with the brake pedal. For additional information about "e-Step system Unavailable To slow press brake pedal" warning on vehicle information display,

refer to "Vehicle information display warnings and indicators" on page 187.

When the warning message appears, the e-Step system will be turned off automatically. Have the system checked as soon as possible. It is recommended you visit a Nissan Electric Vehicle certified dealer.

Approaching Vehicle Sound for Pedestrians (VSP)

N07702900041



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The Approaching Vehicle Sound for Pedestrians (VSP) is a device that uses sound to alert pedestri-

ans of the presence of the vehicle. The system operates in the following cases when the engine is not running and the READY to drive indicator light is illuminated:

- When stopping at a position other than the shift P position
- When accelerating: 25 MPH (40 km/h) or less
- When decelerating: 22 MPH (35 km/h) or less
- When select position is "R" (Reverse) position.

The sound does not start in the following cases.

- When the Approaching Vehicle Sound for Pedestrians (VSP) OFF indicator light in the multi-function display is illuminating.
- When the engine is running.

WARNING

- If you do not hear the sound of the Approaching Vehicle Sound for Pedestrians (VSP), have the system checked. It is recommended you visit a Nissan Electric Vehicle certified dealer.
- Even if the Approaching Vehicle Sound for Pedestrians (VSP) sounds, pay special attention to pedestrians. Pedestrians may not notice the oncoming vehicle, which may cause an accident resulting in serious personal injury or death.

CAUTION

If there is malfunction with the system, the VSP system warning light in the vehicle information display will be illuminated. If the warning light is illuminated, have the system checked. It is recommended you visit a Nissan Electric Vehicle certified dealer.

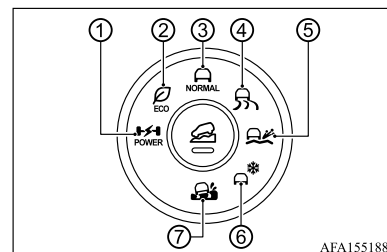
NOTE

- When all of the following conditions are met, the VSP system is activated to remind the driver that the Plug-in Hybrid system is operating when the driver is getting out from the vehicle.
 - When the shift lever is in the P (Park) position.
 - When the READY to drive indicator light is illuminated.
 - When the driver's seatbelt is not fastened.
 - When the driver's door is opened.
- The VSP system will be stopped when the push-button power switch has been turned to off.

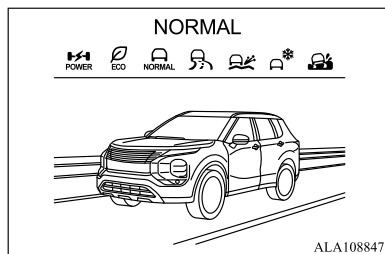
Drive Mode Selector

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Drive mode selector



- ① POWER mode
- ② ECO mode
- ③ NORMAL mode
- ④ TARMAC mode
- ⑤ GRAVEL mode
- ⑥ SNOW mode
- ⑦ MUD mode

Display (Example)

Drive mode selector is able to select characteristics of an integrated vehicle dynamics control system that helps to enhance driving performance, and vehicle stability over a wide range of the driving style of driving condition through integrated management of the Plug-in Hybrid system, the EPS, the AWD, Intelligent Trace Control, the ABS and the VDC.

Select a drive mode from following types to suit the driving style or the driving condition:

NORMAL, POWER, GRAVEL, ECO, SNOW, TARMAC, MUD.

The current mode is displayed in the vehicle information display.

To change the mode, turn the Drive mode selector right or left. The mode list will appear in the vehicle information display and you can select a mode.

NOTE

- The mode list will be turned off in approximately 4 seconds after a mode is selected.
- The drive mode will be automatically turned to the NORMAL mode when the push-button power switch is turned to off and on again.

If the driving mode cannot be switched using the Drive mode selector when the push-button power switch is in the ON position, have the system checked. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service.

WARNING

Do not stare at the Drive mode selector or the display while driving so that full attention may be given to vehicle operation.

NORMAL mode

This mode offers well-balanced driving performance with efficiency for SUV in various road conditions.

ECO mode

This mode supports ecological and economical driving by optimized powertrain characteristic.

NOTE

Selecting the ECO mode will not necessarily improve fuel economy as many driving factors influence its effectiveness.

TARMAC mode

This mode offers the pleasure of driving with agile dynamics on dry paved road, such as responsive and powerful acceleration, responsive and linear steering feel, stability and traceability on cornering.

NOTE

When the TARMAC mode is selected, the EV priority mode cannot be used or canceled.

Refer to “EV mode selector switch” on page 370.

Also, the regenerative braking level becomes stronger (B5 level). Refer to “Regenerative braking level selector (paddle type)” on page 360.

POWER mode

This mode offers the most powerful and responsive acceleration feeling thanks to electric motor driving.

NOTE

When the POWER mode is selected, the EV priority mode cannot be used or canceled.

Refer to “EV mode selector switch” on page 370.

Also, the regenerative braking level becomes stronger (B5 level). Refer to “Regenerative braking level selector (paddle type)” on page 360.

GRAVEL mode

This mode is for driving on rough road surfaces such as flat unpaved roads or wet paved roads and improves straightability on rough road and powerful launching acceleration.

NOTE

When the GRAVEL mode is selected, ProPILOT Assist, Intelligent Lane Intervention (I-LI) and Intelligent Blind Spot Intervention (I-BSI) functions are affected. Refer to “ProPILOT Assist” on page 424, “Intelligent Lane Intervention (I-LI)” on page 402 and “Blind Spot Warning (BSW) and Intelligent Blind Spot Intervention (I-BSI)” on page 407.

SNOW mode

This mode is for driving on slippery road surfaces, such as snow-covered roads and offers good initial steering response and high cornering stability on a slippery road.

NOTE

When the SNOW mode is selected, ProPILOT Assist, Intelligent Lane Intervention (I-LI) and Intelligent Blind Spot Intervention (I-BSI) functions are affected. Refer to “ProPILOT Assist” on page 424, “Intelligent Lane Intervention (I-LI)” on page 402 and “Blind Spot Warning (BSW) and Intelligent Blind Spot Intervention (I-BSI)” on page 407.

MUD mode

This mode is for driving on slippery road where maximum traction is required, such as muddy roads and deep snow roads and improves traction performance.

NOTE

When the MUD mode is selected, ProPILOT Assist, Intelligent Lane Intervention (I-LI) and Intelligent Blind Spot Intervention (I-BSI) functions are affected. Refer to “ProPILOT Assist” on page 424, “Intelligent Lane Intervention (I-LI)” on page 402 and “Blind Spot Warning (BSW) and Intelligent Blind Spot Intervention (I-BSI)” on page 407.

Driver assistance systems

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Driver Assistance Systems are driver aids only and are not substitutes for safe and careful driving. Each Driver Assistance system is designed to help the driver in different ways as they drive. The following Driver Assistance systems (if so equipped) are available on this vehicle:

Category	System	Sym- bol	System description (See the specified page for detailed information.)	Page
Forward Driving Aids	Automatic Emergency Braking (AEB) with Pedestrian Detection system		Assists the driver with a warning and/or braking operation when a risk of a forward collision with the vehicle ahead, or with a pedestrian, is detected.	464
	Intelligent Forward Collision Warning (I-FCW)		Helps alert the driver when the sudden braking of a second vehicle traveling in front of the vehicle ahead in the same lane is detected.	474
	Intelligent Cruise Control (ICC)		Intelligent Cruise Control (ICC) ● Helps the driver maintain a selected distance from the vehicle ahead and can help to reduce the speed to match a slower vehicle ahead, if detected. ● Helps to decelerate the vehicle to a standstill when a vehicle ahead is detected slowing to a stop.	436
			Conventional (fixed speed) cruise control mode ● Allows the driver to drive the vehicle at a fixed speed without keeping his/her foot on the accelerator pedal.	461

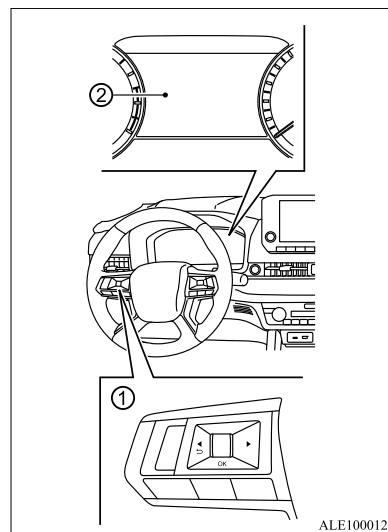
Category	System	Sym- bol	System description (See the specified page for detailed information.)	Page
Side Driv- ing Aids (Lane and Blind Spot)	Lane Departure Warning (LDW)		Warns the driver that the vehicle is about to cross a lane marker with an indicator and a steering wheel vibration.	397
	Intelligent Lane Intervention (I-LI)		● Warns the driver that the vehicle is about to cross a lane marker with an indicator and a steering wheel vibration. ● Assists the driver to return the vehicle to the center of the traveling lane.	402
	Blind Spot Warn- ing (BSW)		Warns the driver of a vehicle detected in an adjacent lane when changing lanes with an indicator.	407
	Intelligent Blind Spot Intervention (I-BSI)		● Warns the driver of a vehicle detected in an adjacent lane when changing lanes. ● Assists the driver to return the vehicle to the center of the traveling lane.	407
	Steering Assist		Assists the driver to help keep the vehicle within the center of the traveling lane (this system is integrated in the ProPILOT Assist).	453
Rear Driving Aids	Rear Cross Traffic Alert (RCTA)		Assists the driver when backing out from a parking space by detecting other vehicles approaching from the right or left of the vehicle.	419
	Rear Automatic Braking (RAB)		Assists the driver when the vehicle is backing up and approaching stationary objects that are detected directly behind the vehicle by providing a warning and automatic braking if needed.	483

Driver assistance systems

Category	System	Symbol	System description (See the specified page for detailed information.)	Page
Parking Aids	Intelligent Around View [®] Monitor	-	Assists the driver in parking situations by showing various views of the position of the vehicle in a split screen format.	307
	Moving Object Detection (MOD)	-	Informs the driver of moving objects that are detected near the vehicle in parking situations.	320
	Sonar system	-	Informs the driver with a visual and audible alert of stationary obstacles detected near the bumpers.	503
ProPILOT Assist	ProPILOT Assist		Intelligent Cruise Control (ICC) and Steering Assist.	424
	Speed Limit Assist - a feature of ProPILOT Assist with Navi-link		Detects a change of the speed limit, indicates the detected speed limit and can apply it to the vehicle set speed automatically or manually.	436
	Speed Adjust by Route - a feature of ProPILOT Assist with Navi-link		Adjusts the vehicle speed depending on curves, junctions and exits, using road information provided by the navigation system.	436

Category	System	Sym- bol	System description (See the specified page for detailed information.)	Page
Other Driving Aids	High beam assist		Switches the headlights to the low beam automatically when an oncoming vehicle or leading vehicle is detected in front of your vehicle.	227
	Traffic Sign Recognition (TSR)		Provides the driver with information about the most recently detected speed limit.	394
	Intelligent Driver Alertness (I-DA)		Helps alert the driver when a lack of attention or driving fatigue is detected.	481
	Hill Start Assist system	-	Helps prevent the vehicle from rolling backwards in the time it takes the driver to release the brake pedal and apply the accelerator when the vehicle is stopped on a hill.	500

How to enable/disable the systems



- ① Steering-wheel-mounted controls (left side)
- ② Vehicle information display

The following systems (if so equipped) can be enabled or disabled using the settings menu in the vehicle information display. Select each setting item using the scroll dial on the steering-wheel-mounted controls.

- Automatic Emergency Braking (AEB) with Pedestrian Detection system
- Intelligent Forward Collision Warning (I-FCW)
- Lane Departure Warning (LDW)
- Intelligent Lane Intervention (I-LI)*
- Blind Spot Warning (BSW)
- Intelligent Blind Spot Intervention (I-BSI)*
- Steering Assist
- Rear Cross Traffic Alert (RCTA)
- Rear Automatic Braking (RAB)
- Moving Object Detection (MOD)
- Sonar system
- Speed Limit Assist - a feature of ProPILOT Assist with Navi-link
- Speed Adjust by Route - a feature of ProPILOT Assist with Navi-link
- Traffic Sign Recognition (TSR)

- Intelligent Driver Alertness (I-DA)

*: To operate the I-LI and I-BSI systems, you need to push the ProPILOT Assist switch after enabling each system in the settings menu.

Driver Assistance display

The Driver Assistance display appears in the vehicle information display when selected using the scroll dial, or for a short period of time when the ProPILOT Assist is pushed.

The status of the following systems can be shown in each zone of the display.

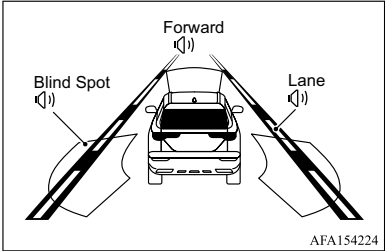
Zone	Driving Aid
Forward	Automatic Emergency Braking (AEB) with Pedestrian Detection system
	Intelligent Forward Collision Warning (I-FCW)

Zone	Driving Aid
Lane	Lane Departure Warning (LDW)
	Intelligent Lane Intervention (I-LI)
Blind Spot	Blind Spot Warning (BSW)
	Intelligent Blind Spot Intervention (I-BSI)

- When any of the “Warning” systems are enabled, the “(Q)” mark is shown in each zone.
- When any of the “Intervention” systems are enabled, the “(R)” mark is shown in each zone.
- When no system is enabled, “OFF” is shown in each zone.

The display changes as the following examples:

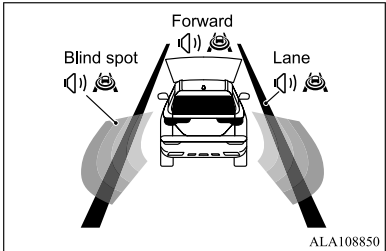
All: outline



Zone	Driving Aid	Display
Forward	Automatic Emergency Braking (AEB) with Pedestrian Detection system	Enabled (outline)
	Intelligent Forward Collision Warning (I-FCW)	
Lane	Lane Departure Warning (LDW)	Enabled (outline)
	Intelligent Lane Intervention (I-LI)	Disabled

Zone	Driving Aid	Display
Blind Spot	Blind Spot Warning (BSW)	Enabled (outline)
	Intelligent Blind Spot Intervention (I-BSI)	Disabled

Forward: outline, Other: shaded



Zone	Driving Aid	Display
Forward	Automatic Emergency Braking (AEB) with Pedestrian Detection system	Enabled (outline)
	Intelligent Forward Collision Warning (I-FCW)	
Lane	Lane Departure Warning (LDW)	Enabled
	Intelligent Lane Intervention (I-LI)	Enabled (shaded)
Blind Spot	Blind Spot Warning (BSW)	Enabled
	Intelligent Blind Spot Intervention (I-BSI)	Enabled (shaded)

Common troubleshooting guide

Some of the Driver Assistance systems use the common parts (camera, radar, etc.) to function. When a pop-up warning message appears in the vehicle information display, or the warning light flashes/illuminates, check the system condition. For details, see "System temporarily unavailable" and "System malfunction" sections in this Owner's Manual for each applicable system.

For camera and radar temporary blockage

Warning message/ Warning light	Symptom	Possible cause	System affected	Action to take
"Unavailable Camera Temperature High"	High camera temperature	Direct sunlight/High cabin temperature	TSR, LDW, I-LI, I-BSI and Steering Assist	When the interior temperature is reduced, the system resumes automatically. (Push the ProPILOT Assist switch to turn back on the I-LI and I-BSI systems.)
 Illuminating			AEB and I-FCW	
"Unavailable Low Visibility" or  Illuminating	Poor camera visibility	Direct sunlight	Steering Assist and AEB	When the condition no longer exists, the system resumes automatically.
	Camera obstruction	Windshield glass misted, frozen or covered with dirt		Clean the windshield glass of the camera area. Use the wipers and the defroster to help clear the windshield glass.

Driver assistance systems

Warning message/ Warning light	Symptom	Possible cause	System affected	Action to take
"Forward Driving Aids Temporarily Disabled Front Sonar Blocked See Owner's Manual" and  Illuminating	Front radar obstruction	Inclement weather (rain, fog, snow, etc.)	ICC, AEB and I-FCW	When the condition no longer exists, the system resumes automatically. (Push the ProPILOT Assist switch to turn back on the ICC system.)
		Sensor covered with dirt or obstructed		Clean the front radar sensor area on the front of the vehicle.
		Roads with limited road structures or buildings		When the condition no longer exists, the system resumes automatically. (Push the ProPILOT Assist switch to turn back on the ICC system.)
 Illuminating	Front radar interruption	Interference from another radar source	ICC, AEB and I-FCW	When the condition no longer exists, the system resumes automatically. (Push the ProPILOT Assist switch to turn back on the ICC system.)
"Unavailable Side Radar Obstruction"	Side radar obstruction	Radar blockage	BSW, I-BSI and RCTA	Clean the side rear radar area on the rear of the vehicle. When the condition no longer exists, the system resumes automatically. (Push the ProPILOT Assist switch to turn back on the I-BSI system.)

For system temporarily unavailable

Warning message/ Warning light	Possible cause	System to check	Action to take
 Illuminating	VDC turned off	AEB	Turn on the VDC.
"Currently Unavailable"	VDC turned off	I-LI, I-BSI and ICC	Turn on the VDC.
	SNOW mode, GRAVEL mode or MUD mode (if so equipped) selected.		Select a mode other than SNOW, GRAVEL or MUD mode (if so equipped).

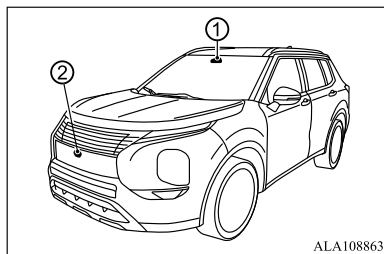
For system malfunction

Warning light/Warning message	Symptom	System to check	Action to take
"Malfunction See Owner's Manual" and  Illuminating	System malfunction	RCTA, AEB and I-FCW	Stop the vehicle in a safe location. Turn the engine off and restart the engine. If the warning light/message continues to illuminate, have the system checked. It is recommended that you visit a Nissan Electric Vehicle certified dealer for this service.
"Malfunction See Owner's Manual"		TSR, RAB and I-DA	
"Not Available System Malfunction"		LDW, I-LI, BSW, I-BSI, ICC and Steering Assist	
"Parking Sonar Error See Owner's Manual"		Sonar system	

Camera, radar and sonar locations

The camera, radar and sonar that are used by each Driver Assistance systems are located on the front and rear of the vehicle. For the maintenance of each compo-

nent, see "System maintenance" section in this Owner's Manual for each application system.

Vehicle front

ALA108863

① Front camera unit

- Automatic Emergency Braking (AEB) with Pedestrian Detection system

- Lane Departure Warning (LDW)
- Intelligent Lane Intervention (I-LI)

- Intelligent Blind Spot Intervention (I-BSI)

- Steering Assist

- High beam assist

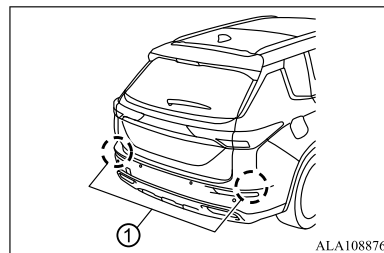
- Traffic Sign Recognition (TSR)

- Intelligent Cruise Control (ICC)

② Front radar sensor

- Automatic Emergency Braking (AEB) with Pedestrian Detection system

- Intelligent Forward Collision Warning (I-FCW)
- Intelligent Cruise Control (ICC)

Vehicle rear

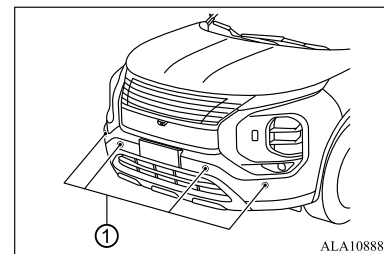
ALA108876

① Side radar sensor

- Blind Spot Warning (BSW)

- Intelligent Blind Spot Intervention (I-BSI)

- Rear Cross Traffic Alert (RCTA)

Sonar

ALA108889

① Front sonar sensors

- Sonar system

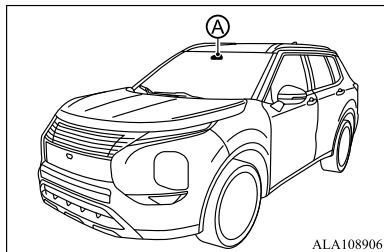
② Rear sonar sensors

- Rear Automatic Braking (RAB)

- Sonar system

Traffic Sign Recognition (TSR)

NO7703200096



ALA108906

The Traffic Sign Recognition (TSR) system provides the driver with information about the most recently detected speed limit. The system captures the road sign information with the front camera unit (A) located on the windshield in front of the inside rearview mirror and displays the detected signs in the vehicle information display. For vehicles equipped with Navigation System, the speed limit displayed is based on a combination of Navigation System data and live cam-

era recognition. TSR information is shown in the vehicle information display and in the Head Up Display (HUD) (if so equipped). (See "Head Up Display (HUD)" on page 216.)

WARNING

The TSR system is only intended to be a support device to help provide the driver with information. It is not a replacement for the driver's attention to traffic conditions or responsibility to drive safely. It cannot prevent accidents due to carelessness. Depending on the situation, the system may not be able to recognize traffic signs or the displayed traffic sign information may be different from the actual information. It is the driver's responsibility to stay alert and drive safely at all times.

System operation

The Traffic Sign Recognition (TSR) system displays the following types of road sign (example):

Example

Speed Limit Sign



AFA154123

● "DO NOT PASS"

- indicates that the vehicle is in a no-overtaking zone.

● "SPEED LIMIT"

- indicates the latest detected speed limit.

CAUTION

- The Traffic Sign Recognition (TSR) system is intended as an aid to careful driving. It is the driver's responsibility to stay alert, drive safely, and observe all road regulations that currently apply, including looking out for road signs.

⚠ CAUTION

- The Traffic Sign Recognition (TSR) system may not function properly under the following conditions:
 - When rain, snow or dirt adheres to the windshield in front of the front camera unit.
 - When the headlights are not bright due to dirt on the lens or if the aiming is not adjusted properly.
 - When strong light enters the camera unit. (For example, the light directly shines on the front of the vehicle at sunrise or sunset.)
 - When a sudden change in brightness occurs. (For example, when the vehicle enters or exits a tunnel or under a bridge.)
 - When overtaking buses or trucks with speed stickers.
 - When a traffic sign is in a position where the light from the vehicle's headlight is hard to illuminate it, at night or in a tunnel.
 - When visibility is poor due to bad weather (rain, snow, fog, wind dust, snowstorm, etc.).

⚠ CAUTION

- When water, snow, sand, etc. are being rolled up by a vehicle in front or an oncoming vehicle.
- When driving where there is a change of gradient.
- When driving on uneven roads such as unpaved roads.
- When the view is blocked by a vehicle driving next to you.
- When the sign is at the end of a corner or curve.
- When the area around the sign is complicated and it is difficult to recognize the sign.
- When the sign is far away from your vehicle.
- When the headlight of your vehicle is hard to reach the sign at night.
- When the sign is faded or bent.
- When the shape has changed, such as when the sign is damaged.
- When the sign is covered with mud, snow, frost, etc.
- When a part of the sign is hidden by trees or dirt and is unclear.

⚠ CAUTION

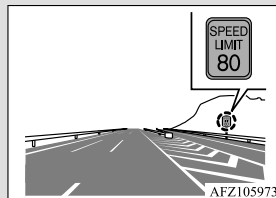
- When light (street lights, etc.) or shadows are reflected on the sign.
- When the sign is too big or too small.
- When the sign is too low or too high.
- When the sign is too bright or too dark.
- When the camera is misaligned.
- Approximately 15 seconds after starting.
- Speed sign with auxiliary sign.
- The TSR system may display a traffic sign even though there is no traffic sign in front of the vehicle. It may display a different speed limit from that for a passenger vehicle. The maximum speed limit sign may show a higher or lower number than the actual maximum speed, for example, when detecting a speed limit sign for trucks, different speed limit with the time of day or day of the week.

CAUTION

- In the following cases, the sign may not be detected properly, and a sign different from the actual regulation content may be displayed, or a sign may be displayed even though there is no applicable sign. The speed limit sign may display a number higher or lower than the actual speed limit.
- Signs that are difficult to recognize (numbers are disappearing, etc.)
- If there is something similar in color or shape to the sign to be detected (similar signs, electric bulletin boards, signboards, banners, structures, etc.)
- It is not a sign for your vehicle's lane, but if it is near your vehicle's lane and the sign is facing your vehicle's lane (such as a stop sign or a speed limit sign for a side road branching from the main line).

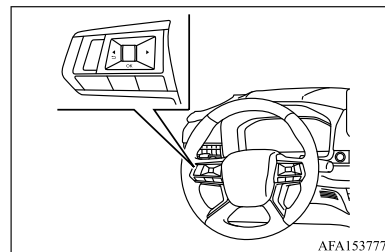
CAUTION

Example



- Low contrast electronic sign.
- Electric signs whose numbers are difficult to recognize (signs far away, 3-digit signs, etc.).
- When there is an auxiliary sign (start or end of the area, day of the week, time, etc.) near the sign.
- When there is a sign in a traffic restricted section such as construction.

How to enable/disable the TSR system



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

1. Press the ◀▶ button until "Settings" appears in the vehicle information display and then press the scroll dial. Rotate the scroll dial to select "Driver Assistance". Then press the scroll dial.
2. Select "Speed Limit Sign" and press the scroll dial to turn the system on or off.

System temporarily unavailable

If the vehicle is parked in direct sunlight under high temperature conditions (over approximately 104°F (40°C) and then started, the TSR system may be deactivated automatically. The “Unavailable Camera Temperature High” warning message will appear in the vehicle information display.

Action to take:

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

System malfunction

If the TSR system malfunctions it will be turned off automatically and the TSR “Malfunction See Owner’s Manual” warning message will appear in the vehicle information display.

Action to take

If the TSR “Malfunction See Owner’s Manual” warning mes-

sage appears, pull off the road at a safe location and stop the vehicle. Turn the Plug-in Hybrid system off and restart the Plug-in Hybrid system. If the TSR “Malfunction See Owner’s Manual” message continues to appear, have the system checked. It is recommended you visit a Nissan Electric Vehicle certified dealer.

System maintenance

The lane camera unit for the Traffic Sign Recognition (TSR) system is located above the interior rear view mirror. To maintain the proper operation of the Traffic Sign Recognition (TSR) system and prevent a system malfunction, be sure to observe the following:

- Always keep the windshield clean.
- Do not attach a sticker (including transparent material) or install an accessory near the camera unit.

- Do not place reflective materials, such as white paper or a mirror, on the instrument panel. The reflection of sunlight may adversely affect the camera unit’s detection capability.
- Do not strike or damage the areas around the camera unit. Do not touch the camera lens or remove the screw located on the camera unit. If the camera unit is damaged due to an accident, contact a Nissan Electric Vehicle certified dealer or qualified workshop.

Lane Departure Warning (LDW)

N07703300097

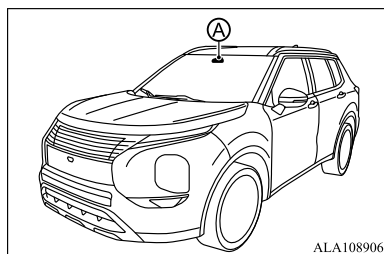
WARNING

Failure to follow the warnings and instructions for proper use of the LDW system could result in serious injury or death from an accident.

Lane Departure Warning (LDW)

WARNING

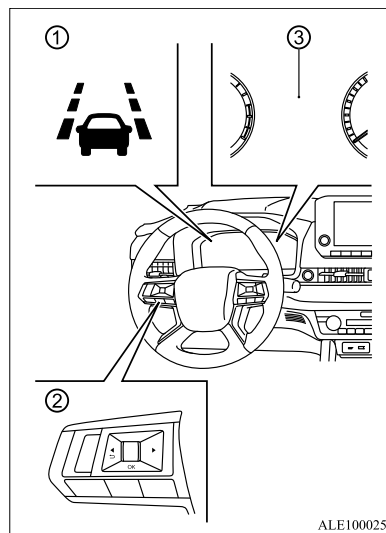
● This system is only a warning device to inform the driver of a potential unintended lane departure. It will not steer the vehicle or prevent loss of control. It is the driver's responsibility to stay alert, drive safely, keep the vehicle in the traveling lane, and be in control of the vehicle at all times.



The LDW system will operate when the vehicle is driven at speeds of approximately 37 MPH (60 km/h) and above, and the lane markings are clearly visible on the road.

The LDW system monitors the lane markers on the traveling

lane using the camera unit **A** located above the inside mirror. The LDW system warns the driver that the vehicle is judged to be beginning to leave the driving lane with an indicator and a steering wheel vibration. (See "LDW system operation" on page 398.)



- ① LDW indicator (on the vehicle information display)
- ② Steering-wheel-mounted controls (left side)
- ③ Vehicle information display

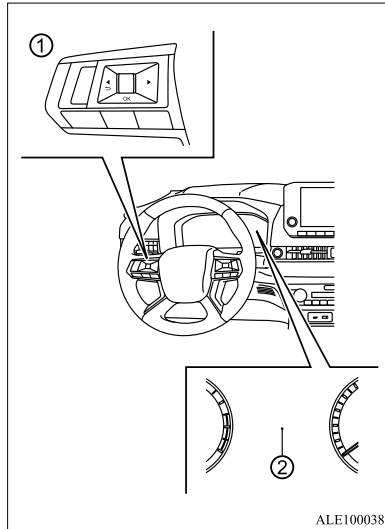
LDW system operation

N07703400072

The LDW system provides a lane departure warning function when the vehicle is driven at speeds of approximately 37 MPH (60 km/h) and above and the lane markings are clear. When the vehicle is judged to be approaching either the left or the right side of the traveling lane, the steering wheel will vibrate and the LDW indicator **①** on the vehicle information display **③** will blink to alert the driver. The warning function will stop when the vehicle returns inside of the lane markers.

How to enable/disable the LDW system

N07703500099



ALE100038

- ① Steering-wheel-mounted controls (left side)
- ② Vehicle information display

Perform the following steps to enable or disable the LDW system.

1. Push the ◀▶ button until "Settings" appears in the vehicle information display ② and then push the scroll dial. Use the scroll dial to select "Driver Assistance". Then push the scroll dial.
2. Select "Lane Assist" and push the scroll dial.
3. Select "Warning" and push the scroll dial.

NOTE

If you disable the LDW system, the system will remain disabled the next time you start the vehicle's Plug-in Hybrid System.

LDW system limitations

N07703600087

WARNING

Listed below are the system limitations for the LDW system. Failure to follow the warnings and instructions for proper use of the LDW system could result in serious injury or death.

- The system will not operate at speeds below approximately 37 MPH (60 km/h) or if it cannot detect lane markers.
- Do not use the LDW system under the following conditions as it may not function properly:
 - During bad weather (rain, fog, snow, etc.).
 - When driving on slippery roads, such as on ice or snow.
 - When driving on winding or uneven roads.
 - When there is a lane closure due to road repairs.
 - When driving in a makeshift or temporary lane.
 - When driving on roads where the lane width is too narrow.

WARNING

- When driving without normal tire conditions (for example, tire wear, low tire pressure, installation of spare tire, tire chains, non-standard wheels).
- When the vehicle is equipped with non-original brake parts, steering parts or suspension parts.
- When towing a trailer or other vehicle.
- The system may not function properly under the following conditions:
 - On roads where there are multiple parallel lane markers; lane markers that are faded or not painted clearly; yellow painted lane markers; non-standard lane markers; or lane markers covered with water, dirt, snow, etc.
 - On roads where discontinued lane markers are still detectable.
 - On roads where there are sharp curves.

WARNING

- On roads where there are sharply contrasting objects, such as shadows, snow, water, wheel ruts, seams or lines remaining after road repairs. (The LDW system could detect these items as lane markers.)
- On roads where the traveling lane merges or separates.
- When the vehicle's traveling direction does not align with the lane marker.
- When traveling close to the vehicle in front of you, which obstructs the lane camera unit detection range.
- When rain, snow, dirt or object adheres to the windshield in front of the lane camera unit.
- When the headlights are not bright due to dirt on the lens or if the aiming is not adjusted properly.
- When strong light enters the lane camera unit. (For example, the light directly shines on the front of the vehicle at sunrise or sunset.)

WARNING

- When a sudden change in brightness occurs. (For example, when the vehicle enters or exits a tunnel or under a bridge.)

System temporarily unavailable

N07703700059

Condition A:

If the vehicle is parked in direct sunlight under high temperature conditions (over approximately 104°F (40°C)) and then started, the LDW system may be deactivated automatically, the LDW indicator will flash and the following message will appear in the vehicle information display. - "Unavailable Camera Temperature High" When the interior temperature is reduced, the LDW system will resume operating automatically and the LDW indicator will stop flashing.

Condition B:

The warning function of the LDW system is not designed to work under the following conditions:

- When you operate the lane change signal and change traveling lanes in the direction of the signal. (The LDW system will become operable again approximately 2 seconds after the lane change signal is turned off.)
- When the vehicle speed lowers to less than approximately 37 MPH (60 km/h).

Action to take:

After the above conditions have finished and the necessary operating conditions are satisfied, the LDW system will resume.

System malfunction

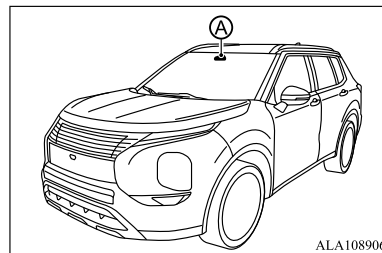
N07703800089

If the LDW system malfunctions, it will cancel automatically and "Malfunction See Owner's Manual" will appear in the vehicle information display. If "Malfunc-

tion See Owner's Manual" appears in the vehicle information display, pull off the road to a safe location and stop the vehicle. Place the push-button power switch in the OFF position and restart the Plug-in Hybrid system. If "Malfunction See Owner's Manual" continues to appear in the vehicle information display, have the system checked. It is recommended that you visit a Nissan Electric Vehicle certified dealer for this service.

System maintenance

N07703900080



ALA108906

The lane camera unit ① for the LDW system is located above the inside mirror.

To keep the proper operation of the LDW system and prevent a system malfunction, be sure to observe the following:

- Always keep the windshield clean.
- Do not attach a sticker (including transparent material) or install an accessory near the camera unit.
- Do not place reflective materials, such as white paper or a mirror, on the instrument panel. The reflection of sunlight may adversely affect the camera unit's capability of detecting the lane markers.
- Do not strike or damage the areas around the camera unit. Do not touch the camera lens or remove the screw located on the camera unit. If the camera unit is damaged due to an accident, it is recommended that you visit a Nissan Electric Vehicle certified dealer.

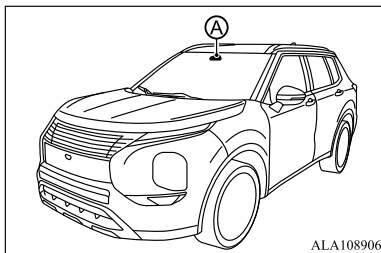
Intelligent Lane Intervention (I-LI)

N07704000091

WARNING

Failure to follow the warnings and instructions for proper use of the LDW system could result in serious injury or death from an accident.

- The I-LI system will not steer the vehicle or prevent loss of control. It is the driver's responsibility to stay alert, drive safely, keep the vehicle in the traveling lane, and be in control of the vehicle at all times.
- The I-LI system is primarily intended for use on well-developed freeways or highways. However, even on these surfaces, it may not detect the lane markings in certain road, weather, or driving conditions. It is not a collision avoidance system or a substitute for safe and careful driving practices.

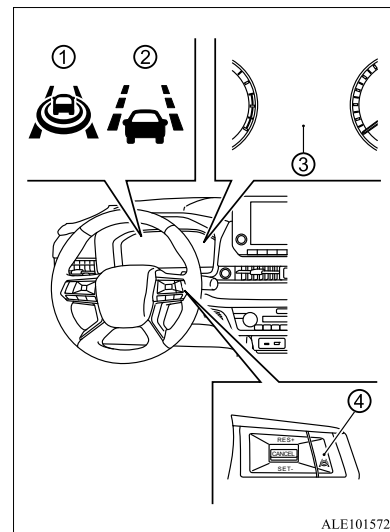


The I-LI system must be turned on with the ProPILOT Assist switch on the steering wheel, every time the push-button power switch is placed in the ON position.

The I-LI system will operate when the vehicle is driven at speeds of approximately 37 MPH (60 km/h) and above, and only when the lane markings are clearly visible on the road. The I-LI system warns the driver when the vehicle has left the center of the traveling lane with an indicator and steering wheel vibration. The system helps assist the driver to return the vehicle to the center of the traveling lane by applying the

brakes to the left or right (for a short period of time).

The I-LI system monitors the lane markers on the traveling lane using the camera unit **A** located above the inside mirror.



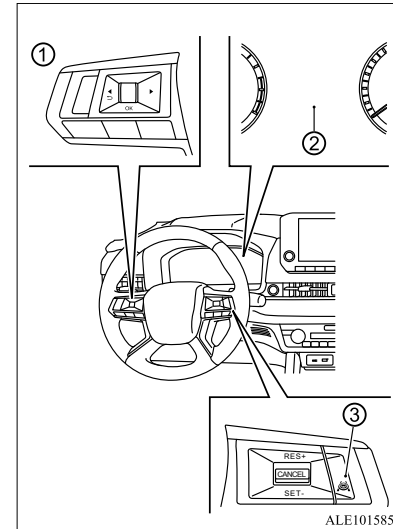
- ① I-LI ON indicator (on the vehicle information display)
- ② I-LI indicator (on the vehicle information display)
- ③ Vehicle information display
- ④ ProPILOT Assist switch

To turn on the I-LI system, push the ProPILOT Assist switch ④ on the steering wheel after starting the Plug-in Hybrid system. The I-LI ON indicator ① on the vehicle information display ③ will illuminate. Push the ProPILOT Assist switch again to turn off the I-LI system. The I-LI ON indicator will turn off.

I-LI system operation

The I-LI system operates above approximately 37 MPH (60 km/h) and when the lane markings are clear. When the vehicle is judged to be approaching either the left or the right side of the traveling lane, the steering wheel will vibrate and the I-LI indicator (orange) ② on the vehicle information display will blink to alert the driver. Then, the I-LI system will automatically apply the brakes for a short period of time to help assist the driver to return the vehicle to the center of the traveling lane.

How to enable/disable the I-LI system



- ① Steering-wheel-mounted controls (left side)
- ② Vehicle information display
- ③ ProPILOT Assist switch

Intelligent Lane Intervention (I-LI)

Perform the following steps to enable or disable the I-LI system.

1. Push the ◀▶ button until “Settings” appears in the vehicle information display ② and then push the scroll dial. Use the scroll dial to select “Driver Assistance.” Then push the scroll dial.
2. Select “Lane Assist” and push the scroll dial.
3. Select “Intervention” and push the scroll dial.
4. Push the ProPILOT Assist switch ③ turn the system on or off.

NOTE

Turning on the ProPILOT Assist system will turn on the I-LI and I-BSI system at the same time. If the I-LI system is disabled in the settings menu, the I-LI will automatically be turned on when the Steering Assist system is active. (See “ProPILOT Assist” on page 424.)

I-LI system limitations

WARNING

Listed below are the system limitations for the I-LI system. Failure to operate the vehicle in accordance with these system limitations could result in serious injury or death from an accident.

- The I-LI system may activate if you change lanes without first activating your turn signal or, for example, if a construction zone directs traffic to cross an existing lane marker. If this occurs you may need to apply corrective steering to complete your lane change.
- Because the I-LI may not activate under the road, weather and lane marker conditions described in this section, it may not activate every time your vehicle begins to leave the traveling lane and you will need to apply corrective steering.
- The I-LI system will not operate at speeds below approximately 37 MPH (60 km/h) or if it cannot detect lane markers.

WARNING

- Do not use the I-LI system under the following conditions as it may not function properly:
 - During bad weather (rain, fog, snow, etc.).
 - When driving on slippery roads, such as on ice or snow.
 - When driving on winding or uneven roads.
 - When there is a lane closure due to road repairs.
 - When driving in a makeshift or temporary lane.
 - When driving on roads where the lane width is too narrow.
 - When driving without normal tire conditions (for example, tire wear, low tire pressure, installation of tire chains, non-standard wheels).
 - When the vehicle is equipped with non-original brake parts, steering parts or suspension parts.

⚠ WARNING

- On roads where there are multiple parallel lane markers; lane markers that are faded or not painted clearly; yellow painted lane markers; non-standard lane markers; or lane markers covered with water, dirt, snow, etc.
- On roads where discontinued lane markers are still detectable.
- On roads where there are sharp curves.
- On roads where there are sharply contrasting objects, such as shadows, snow, water, wheel ruts, seams or lines remaining after road repairs. (The I-LI system could detect these items as lane markers.)
- On roads where the traveling lane merges or separates.
- When the vehicle's traveling direction does not align with the lane marker.
- When traveling close to the vehicle in front of you, which obstructs the lane camera unit detection range.

⚠ WARNING

- When rain, snow, dirt or object adheres to the windshield in front of the lane camera unit.
- When the headlights are not bright due to dirt on the lens or if the aiming is not adjusted properly.
- When strong light enters the lane camera unit. (For example, the light directly shines on the front of the vehicle at sunrise or sunset.)
- When a sudden change in brightness occurs. (For example, when the vehicle enters or exits a tunnel or under a bridge.)
- When towing a trailer or another vehicle.

System temporarily unavailable**Condition A:**

The warning and assist functions of the I-LI system are not designed to work under the following conditions:

- When you operate the lane change signal and change the traveling lanes in the direction of the signal. (The I-LI system will be deactivated for approximately 2 seconds after the lane change signal is turned off.)
- When the vehicle speed lowers to less than approximately 37 MPH (60 km/h).

Action to take:

After the above conditions have finished and the necessary operating conditions are satisfied, the warning and assist functions will resume.

Condition B:

The assist function of the I-LI system is not designed to work under the following conditions (warning is still functional):

- When the brake pedal is depressed.
- When the steering wheel is turned as far as necessary for the vehicle to change lanes.

Intelligent Lane Intervention (I-LI)

- When the vehicle is accelerated during the I-LI system operation.
- When the Intelligent Cruise Control (ICC) approach warning occurs (if so equipped).
- When the hazard warning flashers are operated.
- When driving on a curve at high speed.

Action to take:

After the above conditions have finished and the necessary operating conditions are satisfied, the I-LI system application of the brakes will resume.

Condition C:

If the following message appears in the vehicle information display, a chime will sound and the I-LI system will be turned off automatically.

- "Currently Unavailable":
 - When the VDC is turned off.
 - When the SNOW mode, GRAVEL mode or MUD mode is selected.

Action to take:

When the above conditions no longer exist, turn off the I-LI system. Push the ProPILOT Assist again to turn the I-LI system back on.

Temporary disabled status at high temperature:

If the vehicle is parked in direct sunlight under high temperature conditions (over approximately 104°F (40°C)) and then the I-LI system is turned on, the I-LI system may be deactivated automatically and the following message will appear on the vehicle information display: "Unavailable Camera Temperature High". When the interior temperature is reduced, the system will resume operating automatically.

Condition D:

In the following cases, the "Unavailable Slippery Road" warning appears on the vehicle information display a buzzer sounds and the system operation is canceled.

- When ABS or VDC (not including traction control (TCS)) is activated.

Action to take:

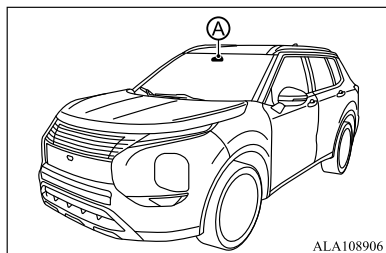
To restart the system, turn off the ProPILOT Assist switch and then turn the I-BSI on again after the above condition is improved.

System malfunction

If the I-LI system malfunctions, it will cancel automatically. The I-LI indicator (orange) will illuminate and the "Malfunction See Owner's Manual" warning message will appear in the vehicle information display.

If the I-LI indicator (orange) illuminates, pull off the road to a safe location. Turn the Plug-in Hybrid system off and restart the Plug-in Hybrid system. If the I-LI indicator (orange) continues to illuminate, have the I-LI system checked. It is recommended that you visit a Nissan Electric Vehicle certified dealer for this service.

System maintenance



The lane camera unit ① for the I-LI system is located above the inside mirror. To keep the proper operation of the I-LI system and prevent a system malfunction, be sure to observe the following:

- Always keep the windshield clean.
- Do not attach a sticker (including transparent material) or install an accessory near the camera unit.

- Do not place reflective materials, such as white paper or a mirror, on the instrument panel. The reflection of sunlight may adversely affect the camera unit's capability of detecting the lane markers.
- Do not strike or damage the areas around the camera unit. Do not touch the camera lens or remove the screw located on the camera unit. If the camera unit is damaged due to an accident, it is recommended that you visit a Nissan Electric Vehicle certified dealer.

Blind Spot Warning (BSW) and Intelligent Blind Spot Intervention (I-BSI)

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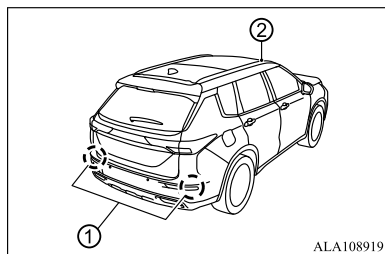
WARNING

- The BSW/I-BSI systems are not a replacement for proper driving procedure and are not designed to prevent contact with vehicles or objects. When driving, always use the side and rear mirrors and always turn your head and look in the direction you will move to ensure it is safe to change lanes. Never rely solely on the system.
- There is a limitation to the detection capability of the radar. Using the systems under some road, lane marker or weather conditions could lead to improper system operation. Always rely on your own operation to avoid accidents.

The BSW system helps alert the driver of other vehicles that are detected in adjacent lanes. The I-

Blind Spot Warning (BSW) and Intelligent Blind Spot Intervention (I-BSI)

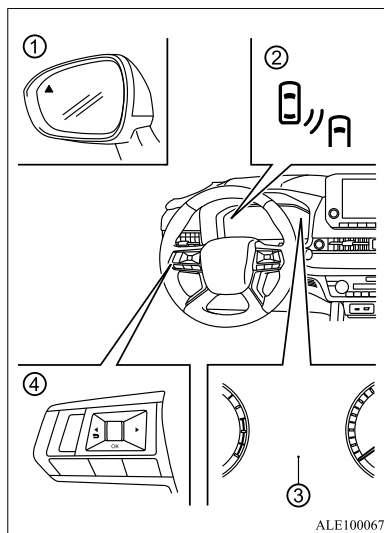
BSI system helps alert the driver of other vehicles detected in adjacent lanes when changing lanes, and helps assist the driver to return the vehicle to the center of the traveling lane.



The BSW/I-BSI system uses radar sensors ① installed near the rear bumper to detect other vehicles in an adjacent lane.

In addition to the radar sensors, the I-BSI system uses a camera ② installed behind the windshield to monitor the lane markers of your traveling lane.

Blind Spot Warning (BSW)



- ① Side indicator light
- ② BSW indicator (on the vehicle information display)
- ③ Vehicle information display

④ Steering-wheel-mounted controls (left side)

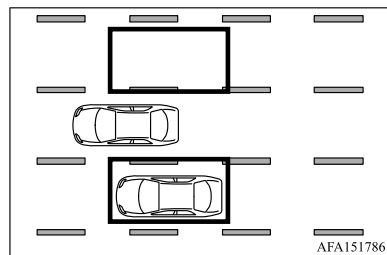
- The system uses radar sensors installed near the rear bumper to detect other vehicles beside your vehicle in an adjacent lane.
- The system operates above approximately 6 MPH (10 km/h).
- If the radar sensors detect vehicles in the detection zone, the side indicator light ① on the outside mirror on the side where a vehicle is detected illuminates.

- When a vehicle in the next lane is detected and the turn signal is activated on the side of the vehicle being detected, the system sounds a buzzer and the BSW indicator ② on the vehicle information display ③ and the side indicator light ① on the outside mirror will flash. Also, when the sensor detects a vehicle approaching from behind in the adjacent lane, the system alerts the driver to the danger in the same way.

NOTE

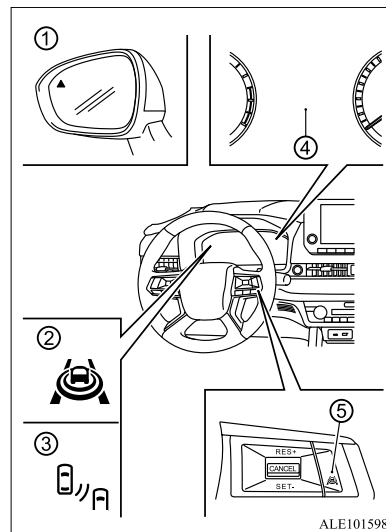
- The side indicator light illuminates for a few seconds when the push-button power switch is placed in the ON position.
- The brightness of the side indicator light is adjusted automatically depending on the brightness of the ambient light.
- The operating status of BSW can be checked on the "Driver assistance" screen in the vehicle information display (see "Trip computer" on page 207).

Detection zone



The radar sensors detect a vehicle in the detection zone on the left and right side of the vehicle.

Intelligent Blind Spot Intervention (I-BSI)



- ① Side indicator light
- ② I-BSI ON indicator (on the vehicle information display)

Blind Spot Warning (BSW) and Intelligent Blind Spot Intervention (I-BSI)

- ③ I-BSI indicator (on the vehicle information display)
 - ④ Vehicle information display
 - ⑤ ProPILOT Assist switch
- The I-BSI system uses radar sensors installed near the rear bumper to detect other vehicles in an adjacent lane. In addition to the radar sensors, the I-BSI system uses a camera installed behind the windshield to monitor the lane markers of your traveling lane.

- The I-BSI system operates above approximately 37 MPH (60 km/h). When a vehicle in the next lane is detected and your vehicle approaches the lane marker on the side of a vehicle being detected, the system sounds a buzzer and the I-BSI indicator ③ on the vehicle information display ④ and the side indicator light ① on the outside mirror will flash. At the same time, the system controls the brake system to help return the vehicle back to the center of the driving lane.

A lane marker is a line drawn to the right or left of a driving lane.

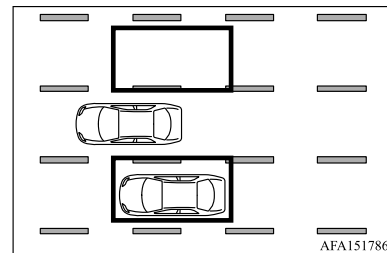
NOTE

- If your vehicle approaches the lane marker with the side indicator light already illuminates, both alarm and the brake control will be activated. However, I-BSI will not work if another vehicle enters the detection zone after your vehicle crosses the lane marker.

NOTE

- The I-BSI system is typically activated earlier than the Intelligent Lane Intervention (I-LI) system.
- The operating status of I-BSI can be checked on the "Driver assistance" screen in the vehicle information display (see "Trip computer" on page 207).

Detection zone



The radar sensors detect a vehicle in the detection zone on the left and right side of the vehicle.

BSW/I-BSI driving situations

CAUTION

When changing lanes, always use the side and rear mirrors and turn and look in the direction your vehicle will move to ensure it is safe to change lanes. Never rely solely on the BSW system. For example, the system may not be able to detect vehicles approaching your vehicle at speeds significantly higher than the speed of your vehicle.

NOTE

I-BSI will not work if another vehicle enters the detection zone after your vehicle crosses the lane marker.

Illustration 1 – Approaching from behind

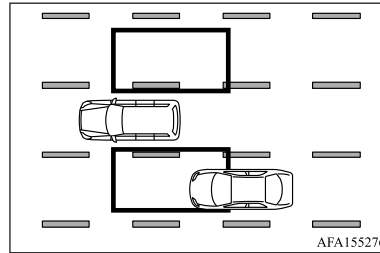


Illustration 1: The side indicator light illuminates if a vehicle enters the detection zone from behind in an adjacent lane.

Illustration 2 – Approaching from behind

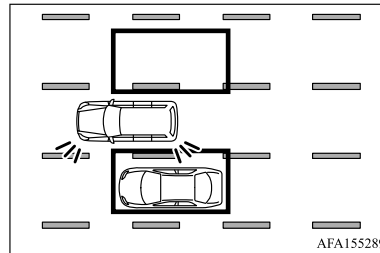


Illustration 2: If the driver activates the turn signal while another vehicle is in the detection zone, then the system sounds a buzzer and the side indicator light flashes.

Illustration 3 – Approaching from behind

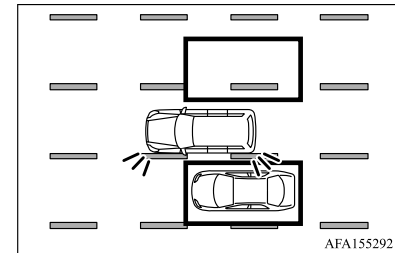


Illustration 3: If your vehicle approaches a lane marker while another vehicle is detected to be in the detection zone, the system sounds a buzzer and the side indicator light flashes. At the same time, the system controls the brake system to help return the vehicle back to the center of the driving lane.

Illustration 4 – At starting the vehicle

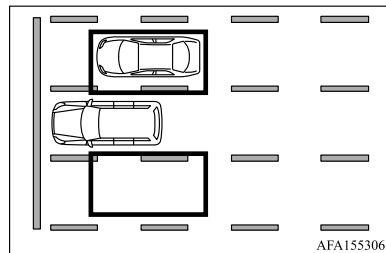


Illustration 4: It may not be possible to detect a vehicle that remains within the detection zone when your vehicle has been stopped.

Illustration 5 – Overtaking another vehicle

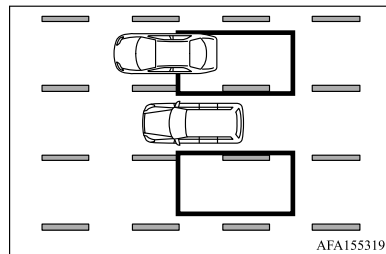


Illustration 5: The side indicator light illuminates if you overtake a vehicle and that vehicle stays in the detection zone for approximately 2 seconds.

 NOTE

The radar sensors may not detect slower moving vehicles if they are passed quickly.

Illustration 6 – Overtaking another vehicle

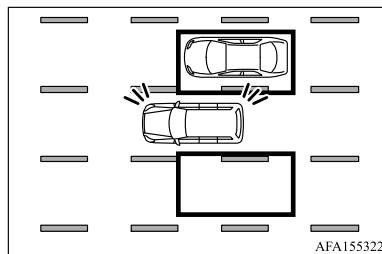


Illustration 6: If the driver activates the turn signal while another vehicle is detected to be in the detection zone, the system sounds a buzzer and the side indicator light flashes.

Illustration 7 – Overtaking another vehicle

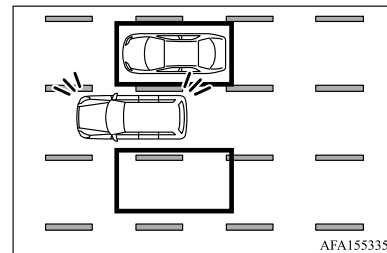


Illustration 7: If your vehicle approaches a lane marker while another vehicle is detected to be in the detection zone, the system sounds a buzzer and the side indicator light flashes. At the same time, the system controls the brake system to help return the vehicle back to the center of the driving lane.

Illustration 8 – Overtaken by another vehicles

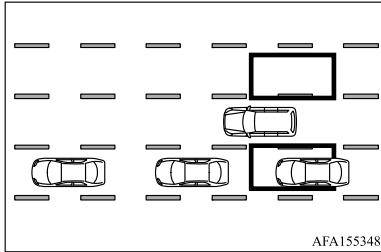


Illustration 8: When your vehicle is overtaken by two or more vehicles driving closely in a row, only the first of these vehicles may be detected.

Illustration 9 – Entering from the side

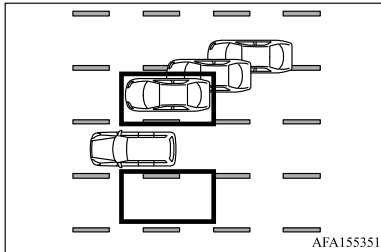


Illustration 9: When another vehicle approaches due to a lane change, etc., the side indicator light illuminates when the vehicle is detected entering the detection zone.

NOTE

The radar sensors may not detect a vehicle which is traveling at about the same speed as your vehicle when it enters the detection zone.

Illustration 10 – Entering from the side

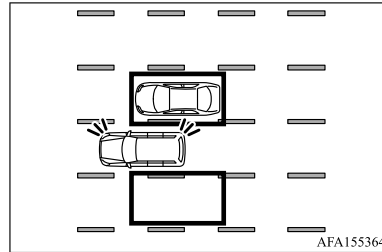


Illustration 10: If the driver activates the turn signal while another vehicle is detected to be in the detection zone, then the

system sounds a buzzer and the side indicator light flashes.

Illustration 11 – Entering from the side

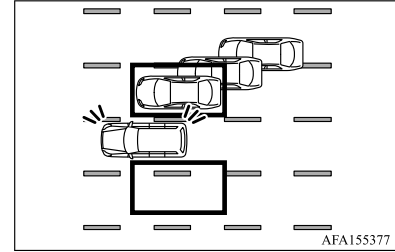


Illustration 11: If your vehicle approaches a lane marker while another vehicle is detected to be in the detection zone, the system sounds a buzzer and the side indicator light flashes. At the same time, the system controls the brake system to help return the vehicle back to the center of the driving lane.

Illustration 12 – If your vehicle is on a lane marker

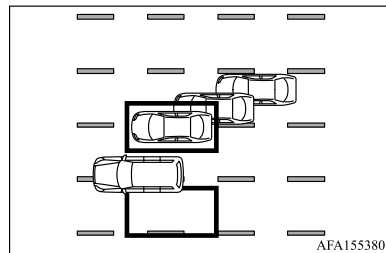


Illustration 12: The I-BSI system will not operate if your vehicle is on a lane marker when another vehicle enters the detection zone. In this case only the BSW system operate.

How to use the BSW/I-BSI systems

NOTE

- Pushing the ProPILOT Assist switch will turn on or off the Intelligent Lane Intervention (I-LI) and I-BSI system at the same time.

NOTE

- BSW is automatically turned on when I-BSI is active.
- If you want to turn on or off I-BSI only, select “Settings” to “Driver Assistance”, “Blind Spot Assist”, then “Intervention” in the vehicle information display.
- The I-BSI turns off when the Plug-in Hybrid system is turned off.
- The Settings in the vehicle information display will be maintained when the Plug-in Hybrid system is turned off.

How to use the BSW

To turn on or off the BSW function, select “Settings” to “Driver Assistance”, “Blind Spot”, then “Warning” in the vehicle information display.

For additional information about “Driver Assistance”, refer to “Settings” on page 176.

How to use the I-BSI

When “Settings” to “Driver Assistance”, “Blind Spot Assist”, then “Intervention” is turned on in the vehicle information display, push the ProPILOT Assist switch to turn on the system.

For additional information about “Driver Assistance”, refer to “Settings” on page 176.

BSW/I-BSI precautions

WARNING

- **Do not use the Intelligent Blind Spot Intervention (I-BSI) in the following situations as it may lead to an unexpected accident.**
 - During bad weather. (For example: rain, fog, snow, etc.)
 - When driving on slippery roads, such as on ice or snow, etc.
 - When driving on winding or uneven roads.
 - When driving on the road under construction or a road with lane restrictions.

⚠ WARNING

- When driving on roads where the lane width is too narrow.
- When driving without normal tire conditions (for example, tire wear, low tire pressure, installation of spare tire, tire chains, non-standard wheels).
- When the vehicle is equipped with non-original brake parts, steering parts or suspension parts.
- When towing a trailer or other vehicle, the system may not work properly.
- The following vehicles may not be detected accurately and the system may not operate properly.
 - Vehicles with low height or narrow, such as motorcycles.
 - Vehicles remaining in the detection zone when you accelerate from a stop.
 - A vehicle approaching rapidly from behind.
 - A vehicle which your vehicle overtakes rapidly.

⚠ WARNING

- A vehicle merging into an adjacent lane at a speed approximately the same as your vehicle.
- Vehicles in the next lane may not be detected in the following situations:
 - When strong light (such as direct sunlight) enters.
 - When a sudden change in brightness occurs. (For example: when the vehicle enters or exits a tunnel.)
 - When driving on a road with extremely wide lanes.
 - When visibility is poor due to bad weather (rain, snow, fog, etc.)
 - When water, snow, sand, etc. are rolled up in the air.
 - When dirt, ice, snow or other material adhere to the radar sensor area.
 - When a sticker (including a transparent sticker) is attached around the radar sensor.
 - When non-genuine accessories are attached around the radar sensor.

⚠ WARNING

- When the area around the radar sensor is additionally painted.
- In the following situations, the lane marker may not be detected accurately and the system may not operate properly.
 - When driving on roads with hard-to-detect lane markers (unclear lane markers, yellow lane markers, uncommon lane markers, lane markers covered with water, dirt, snow, etc.)
 - On roads where there are sharp curves.
 - When driving on a road where there are lane markers that are erased but still visible.
 - On roads where there are sharply contrasting objects, such as shadows, snow, water, wheel ruts, seams or lines remaining after road repairs. (The system may detect them as a lane marker and may issue a warning or may control the vehicle.)
 - On roads where the traveling lane merges or separates.

WARNING

- When the vehicle's traveling direction does not align with the lane markers.
- When traveling close to the vehicle in front of you, which obstructs the lane camera unit detection range.
- When rain, snow or dirt adheres to the windshield.
- When the headlights are not bright due to dirt on the lens or if aiming is not adjusted properly.

CAUTION

- The sensor will not be able to detect certain objects such as:
 - Pedestrians, bicycles, animals, etc.
- Oncoming vehicles

NOTE

- Excessive noise will interfere with the buzzer sound and it may not be heard.

NOTE

- If the vehicle is driving on a road with extremely wide lanes, the system may not be able to detect vehicles in the next lane. Also, if the vehicle is driving on a road with extremely narrow lanes, the system may detect a vehicle in the lane next to the adjacent lane.
- The radar sensors are designed to ignore most stationary objects, however objects such as guardrails, walls, foliage and parked vehicles may occasionally be detected.
- Brake control is not performed in the following cases.
 - When the brake pedal is depressed.
 - When the quick steering operation is performed.
 - When the approach warning of ProPILOT Assist, Intelligent Forward Collision Warning (I-FCW) or Automatic Emergency Braking (AEB) with Pedestrian Detection system is sounding

NOTE

- When the Automatic Emergency Braking (AEB) with Pedestrian Detection system is in operation.
- When the Hazard warning flasher is activated.
- When driving at high speed on curved roads.
- During brake control, if the driver depresses the accelerator pedal more, the brake control will be canceled.

When BSW system temporarily unavailable

NOTE

- The BSW system, the I-BSI system and the RCTA system use the same radar sensors. If the BSW system stops working due to the temporarily unavailability of radar sensors, the I-BSI system and the RCTA system will also stop working.

 NOTE

- If the sensor area is dirty, stop in a safe place to remove the dirt around the sensor, and then restart the Plug-in Hybrid system.
 - When a warning appears on the vehicle information display, stop the vehicle in a safe place, turn off the Plug-in Hybrid system, and then restart it.
 - If the warning continues to appear after the Plug-in Hybrid system is restarted, the system may be malfunction. The normal driving is still available, however, have your vehicle inspected. It is recommended you visit a Nissan Electric Vehicle certified dealer.
- In the following cases, the “Unavailable Side Radar Obstruction” warning appears in the vehicle information display and the system will be temporarily stopped.
- When the sensors are dirty.
 - When rain, snow or dirt, etc. adheres on the sensor.

- When the system malfunctions, the warning is displayed on the vehicle information display and the system is turned off.
(See “Vehicle information display warnings and indicators” on page 187.)

When I-BSI system temporarily unavailable **NOTE**

- The BSW system, the I-BSI system and the RCTA system use the same radar sensors. If the BSW system stops working due to the temporarily unavailability of radar sensors, the I-BSI system and the RCTA system will also stop working.

 NOTE

- When a warning appears on the vehicle information display, stop the vehicle in a safe place, turn off the Plug-in Hybrid system, and then restart it. If the warning continues to appear after the Plug-in Hybrid system is restarted, the system may be malfunction. The normal driving is still available, however, have your vehicle inspected. It is recommended you visit a Nissan Electric Vehicle certified dealer.
- In the following cases, the “Currently Unavailable” warning appears in the vehicle information display, a buzzer sounds and the system operation is canceled.
 - When the VDC is turned off.
 - When the drive mode is in SNOW, GRAVEL or MUD mode.
- In the following cases, the “Unavailable Slippery Road” warning appears on the vehicle information display, a buzzer sounds and the system operation is canceled.

Blind Spot Warning (BSW) and Intelligent Blind Spot Intervention (I-BSI)

- When ABS or VDC (not including traction control (TCS)) is activated.
To restart the system, turn off the ProPILOT Assist switch and then turn the I-BSI on again after the above condition is improved.
- When the vehicle inside is hot, such as when parked under the direct sunlight, a warning is displayed on the vehicle information display with a buzzer sound and the system is canceled. If you want to activate the system again, wait for the temperature to cool down and turn the system on again.
- In the following cases, the "Unavailable Side Radar Obstruction" warning appears on the vehicle information display, a buzzer sounds and the system will be canceled.
 - When the radar sensor area is dirty.
 - When rain, snow or ice, etc. adheres on the sensor area.
- If the system malfunctions, the I-BSI indicator on the vehicle information display illuminates in orange and the system is stopped.

Radio frequency statement

For USA

FCC-ID: LTQ2R5TR

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and**
- (2) this device must accept any interference received, including undesired operation.**

CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

For Class A devices (Industrial) and Class B devices please consult 784748 D01 General labeling and Notification v09r01.

For Canada

IC: 3659A-2R5TR

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s).

Operation is subject to the following two conditions:

- (1) This device may not cause interference.**
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.**

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- 1) L'appareil ne doit pas produire de brouillage;
2) L'appareil doit accepter tout brouillage radioelectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Rear Cross Traffic Alert (RCTA)

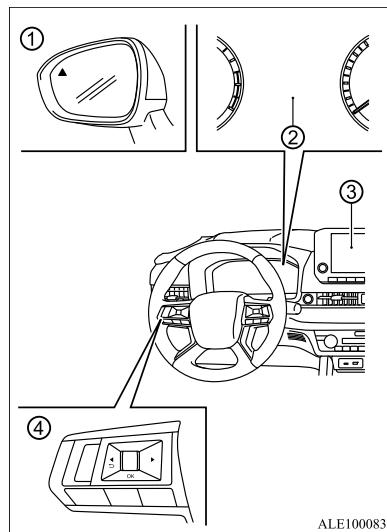
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WARNING

Failure to follow the warnings and instructions for proper use of the RCTA system could result in serious injury or death from an accident.

- The RCTA system is not a replacement for proper driving procedures and is not designed to help prevent contact with vehicles or objects. When backing out of a parking space, always use the side and rear mirrors and look in the direction your vehicle will move. Never rely solely on the RCTA system.

The RCTA system will assist you when backing out from a parking space. When the vehicle is in reverse, the system is designed to detect other vehicles approaching from the right or left of the vehicle. If the system detects cross traffic, it will alert you.



ALE100083

Rear Cross Traffic Alert (RCTA)

- ① Side indicator light
- ② Vehicle information display
- ③ Touch screen display
- ④ Steering-wheel-mounted controls (left side)

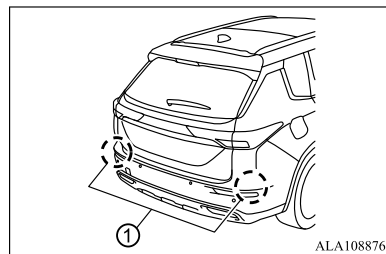
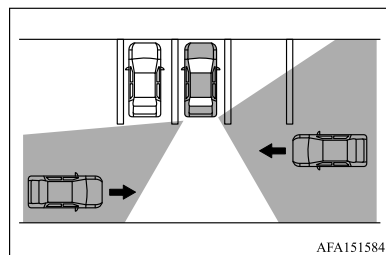
RCTA system operation

The RCTA system can help alert the driver of an approaching vehicle when the driver is backing out of a parking space.

When the shift position is in R (Reverse) and the vehicle speed is less than approximately 5 MPH (8 km/h), the RCTA system is operational.

If the radar detects an approaching vehicle from either side, the system chimes (once), the side indicator light ① flashes on the side the vehicle is approaching from, and a yellow rectangular frame appears in the rear view display on the touch screen display ③.

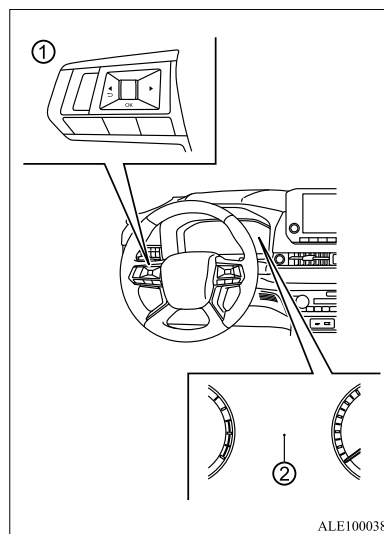
Rear Cross Traffic Alert (RCTA)



The RCTA system uses radar sensors ① installed on both sides near the rear bumper to detect an approaching vehicle.

The radar sensors ① may detect an approaching vehicle from up to approximately 66 ft (20 m) away.

How to enable/disable the RCTA system



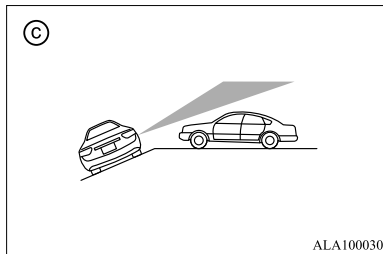
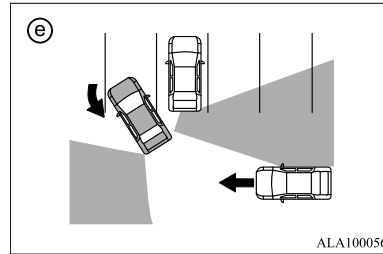
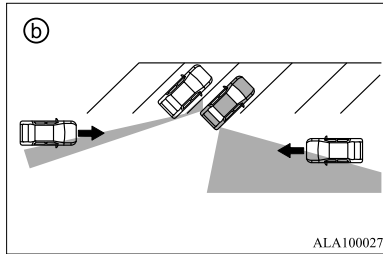
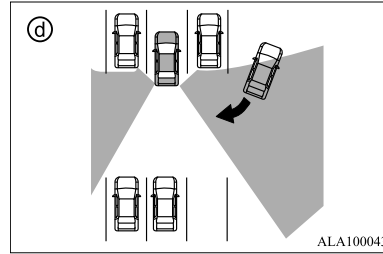
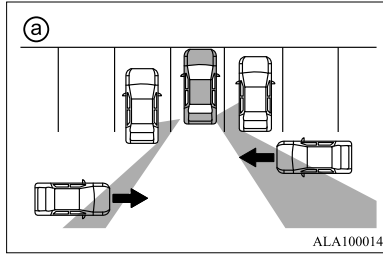
- ① Steering-wheel-mounted controls (left side)
- ② Vehicle information display

Perform the following steps to enable or disable the RCTA system.

1. Press the ◀▶ button until "Settings" appears in the vehicle information display ② and then push the scroll dial. Use the scroll dial to select "Driver Assistance". Then push the scroll dial.
2. Use the button to select "Rear Cross Traffic Alert" then press the scroll dial.
3. Use the scroll dial to enable or disable the system.

NOTE

The system setting will be retained even if the Plug-in Hybrid system is restarted.



RCTA system limitations

⚠ WARNING

Listed below are the system limitations for the RCTA system. Failure to operate the vehicle in accordance with these system limitations could result in serious injury or death.

- Always check surroundings and turn to check what is behind you before backing up. The radar sensors detect approaching (moving) vehicles. The radar sensors cannot detect every object such as:
 - Pedestrians, bicycles, motorcycles, animals or child-operated toy vehicles
 - A vehicle that is passing at speeds greater than approximately 19 MPH (30 km/h)
 - A vehicle that is passing at speeds lower than approximately 5 MPH (8 km/h)
- The radar sensors may not detect approaching vehicles in certain situations:

WARNING

- Illustration ①: When a vehicle parked next to you obstructs the beam of the radar sensor.
- Illustration ②: When the vehicle is parked in an angled parking space.
- Illustration ③: When the vehicle is parked on inclined ground.
- Illustration ④: When an approaching vehicle turns into your vehicle's parking lot aisle.
- Illustration ⑤: When the angle formed by your vehicle and approaching vehicle is small.
- The following conditions may reduce the ability of the radar to detect other vehicles:
 - Severe weather
 - Road spray
 - Ice/frost/dirt build-up on the vehicle
- Do not use the RCTA system under the following conditions as it may not function properly:
 - When towing a trailer or other vehicle.

WARNING

- Do not attach stickers (including transparent material), install accessories or apply additional paint near the radar sensors. These conditions may reduce the ability of the radar to detect other vehicles.
- Excessive noise (e.g. audio system volume, open vehicle window) will interfere with the chime sound, and it may not be heard.

Illustration 1

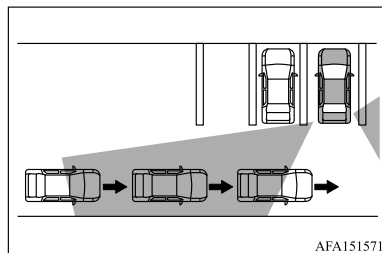
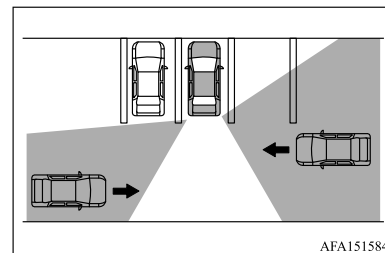


Illustration 2



NOTE

In the case of several vehicles approaching in a row (Illustration 1) or in the opposite direction (Illustration 2), a chime may not be sounded by the RCTA system after the first vehicle passes the sensors.

System temporarily unavailable

When radar blockage is detected, the system will be deactivated automatically. The "Unavailable: Side Radar Obstruction" warning message will appear in the vehicle information display.

The systems are not available until the conditions no longer exist.

The radar sensors may be blocked by temporary ambient conditions such as splashing water, mist or fog.

The blocked condition may also be caused by objects such as ice, frost or dirt obstructing the radar sensors.

NOTE

The BSW system, the RCTA system and the I-BSI system use same radar.

If the BSW system stops working due to the temporarily unavailability of radar sensors, the RCTA system and I-BSI system will also stop working.

Action to take:

When the above conditions no longer exist, the system will resume automatically.

System malfunction

When the RCTA system malfunctions, it will turn off automatically. The "Malfunction See Owner's Manual" warning message will appear in the vehicle information display.

NOTE

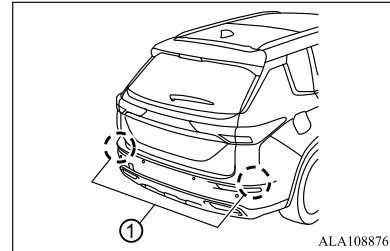
The BSW system, the RCTA system and the I-BSI system use same radar.

If the BSW system stops working due to the malfunction of radar sensors, the RCTA system and I-BSI system will also stop working.

Action to take:

Stop the vehicle in a safe location, turn the Plug-in Hybrid system off and restart the Plug-in Hybrid system. If the message continues to appear, have the system checked. It is recommended that you visit a Nissan Electric Vehicle certified dealer for this service.

System maintenance



The two radar sensors ① for the RCTA system are located near the rear bumper. Always keep the area near the radar sensors clean. The radar sensors may be blocked by temporary ambient conditions such as splashing water, mist or fog. The blocked condition may also be caused by objects such as ice, frost or dirt obstructing the radar sensors.

Check for and remove objects obstructing the area around the radar sensors.

Do not attach stickers (including transparent material), install

accessories or apply additional paint near the radar sensors. Do not strike or damage the area around the radar sensors. It is recommended that you visit a Nissan Electric Vehicle certified dealer if the area around the radar sensors is damaged due to a collision.

Radio frequency statement

For USA

FCC-ID: LTQ2R5TR

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

For Class A devices (Industrial) and Class B devices please consult 784748 D01 General labeling and Notification v09r01.

For Canada

IC: 3659A-2R5TR

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s).

Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le

présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- 1) L'appareil ne doit pas produire de brouillage;**
- 2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.**

ProPILOT Assist

N07704800099

This section contains the information about the following system features:

- ProPILOT Assist (general system operation)
- ProPILOT Assist with Navi-link (additional functionality)

⚠ WARNING

Failure to follow the warnings and instructions for proper use of the ProPILOT Assist system could result in serious injury or death from an accident.

- ProPILOT Assist is not a self-driving system. Within the limits of its capabilities, as described in this manual, it helps the driver with certain driving activities.
- The ProPILOT Assist system is not a replacement for proper driving procedures and is not designed to correct careless, inattentive or absent-minded driving. ProPILOT Assist will not always steer the vehicle to keep it in the lane. The ProPILOT Assist system is not designed to prevent loss of control. It is the driver's responsibility to stay alert, drive safely, keep the vehicle in the traveling lane, and be in control of the vehicle at all times.

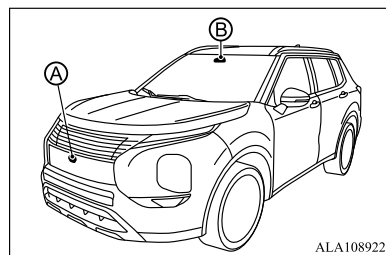
⚠ WARNING

- There are limitations to the ProPILOT Assist system capability. The ProPILOT Assist system does not function in all driving, traffic, weather, and road conditions. It is the driver's responsibility to stay alert, drive safely, keep the vehicle in the traveling lane, and be in control of the vehicle at all times.
- The ProPILOT Assist system is only an aid to assist the driver and is not a collision warning or avoidance device.
- The ProPILOT Assist system is for highway use only and is not intended for city driving. Failure to apply the brakes or steer the vehicle when necessary may result in a serious accident.
- Always observe posted speed limits and do not set the speed over them.
- Never take your hands off the steering wheel when driving. Always keep your hands on the steering wheel and drive your vehicle safely.

⚠ WARNING

- Never unfasten your safety belt when using ProPILOT Assist. Doing so automatically cancels the ProPILOT Assist system.
- The ProPILOT Assist system does not react when approaching stationary and slow moving vehicles.
- Always drive carefully and attentively when using the ProPILOT Assist system. Read and understand the Owner's Manual thoroughly before using the ProPILOT Assist system. To avoid serious injury or death, do not rely on the system to prevent accidents or to control the vehicle's speed in emergency situations. Do not use the ProPILOT Assist system except in appropriate road and traffic conditions.
- ICC may be canceled if sudden acceleration occurs on a down-hill.

ProPILOT Assist



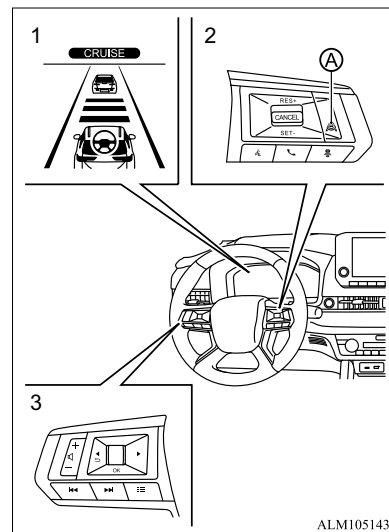
The ProPILOT Assist system is intended to enhance the operation of the vehicle when following a vehicle traveling in the same lane and direction.

The ProPILOT Assist system uses a front camera [Ⓑ] installed behind the windshield to monitor the lane markers and a radar sensor [Ⓐ] located on the front of the vehicle to measure the distance to the vehicle ahead in the same lane. If the system detects a slower moving vehicle ahead, the system will help reduce the vehicle speed so that your vehicle follows the vehicle in front at the selected distance. The system will also help keep the vehicle cen-

tered in the traveling lane when clear lane markings are detected.

NOTE

It is important to ensure the front camera and radar sensors are clear at all times. (See “Intelligent Cruise Control (ICC)” on page 436 and “Steering Assist” on page 453 for more details.)



1. Vehicle information display
 2. Steering-wheel-mounted controls (right side)
 3. Steering-wheel-mounted controls (left side)
- [Ⓐ] ProPILOT Assist switch

ProPILOT Assist system operation

The ProPILOT Assist system has the following two functions:

1. Intelligent Cruise Control (ICC)

The ICC system can be set to one of two cruise control modes:

- Conventional (fixed speed) cruise control mode:
For cruising at a preset vehicle speed

For additional information, see "Turning the conventional (fixed speed) cruise control mode ON" on page 430.

NOTE

Steering Assist is not available in the conventional (fixed speed) cruise control mode.

- Vehicle-to-vehicle distance control mode:

The ICC system maintains a selected distance from the vehicle in front of you within the speed range of 0 to 90 MPH (0 to 144 km/h) up to the vehicle set speed. The vehicle set speed can be selected by the driver between 20 to 90 MPH (30 to 144 km/h). When the vehicle ahead slows to a stop, your vehicle gradually decelerates to a standstill. When the vehicle is stopped, the ICC system maintains braking force to keep your vehicle stopped.

If the "Cruise Control" is selected under the "ECO Mode Setting" in the vehicle information display, the ICC system will be operated in the ECO mode. Acceleration control will be slower than standard. See "Settings" on page 176.

- When the EV priority mode is selected, the upper limit of SET vehicle speed is set to 83 MPH (135 km/h).

- When your vehicle is stopped for less than approximately 3 seconds and the vehicle ahead begins to move, your vehicle will start moving again automatically.
- When your vehicle is at a standstill for more than approximately 3 seconds and the vehicle ahead begins to accelerate, push up the RES+ switch or lightly depress the accelerator pedal. The ICC system starts to follow the vehicle ahead.
- Always check surroundings before restarting the vehicle.
- For vehicles equipped with ProPILOT Assist with Navi-link and only when on a limited access freeway (as identified in the navigation map data):
 - The time the vehicle can remain stopped and automatically restart is extended from 3 seconds to 30 seconds.

ProPILOT Assist

- If a vehicle ahead cuts in or out of the lane ahead, the vehicle may not automatically start when the traffic ahead begins to move. You need to push up the RES+ switch or lightly depress the accelerator pedal to follow the vehicle directly ahead when it is safe to do so.
- When no vehicle is detected ahead within the driver selected distance, the vehicle travels at the speed set by the driver. The speed must be above 20 MPH (30 km/h) to use this function.

NOTE

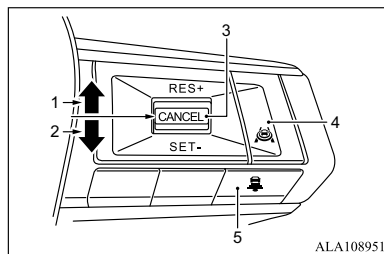
Even if Automatic Emergency Braking (AEB) with Pedestrian Detection system setting is turned off by the driver using the “Settings” menu in the vehicle information display, AEB will be automatically turned on when ICC is used.

2. Steering Assist

The Steering Assist function controls the steering system to help keep your vehicle within the traveling lane.

When there is no vehicle ahead, Steering Assist is not available at speeds under 37 MPH (60 km/h).

ProPILOT Assist switches



1. RES+ switch:

Resumes set vehicle speed or increases speed incrementally

2. SET- switch:

Sets desired cruise speed or reduces speed incrementally

3. CANCEL switch:

Deactivates the ProPILOT Assist system

4. ProPILOT Assist switch:

Turns the ProPILOT Assist system on or off

5. DISTANCE switch:

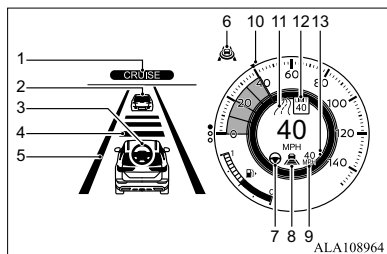
- Long
- Middle
- Short

NOTE

For ProPILOT Assist with Navi-link equipped vehicles: When the Manual mode is selected in the “Spd. Limit Assist” menu on the vehicle information display, operating the RES+ or SET- switch can apply the indicated speed limit sign to the set vehicle speed. (Refer to “Speed Limit Assist - a feature of ProPILOT Assist with Navi-link” section under “Intelligent Cruise Control (ICC)” on page 436.)

ProPILOT Assist system display and indicators

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1. ProPILOT Assist activation

Displays once the ProPILOT Assist system is activated

2. Vehicle ahead detection indicator

Indicates whether the system detects a vehicle in front of you

3. Steering Assist indicator

Indicates the status of the Steering Assist function by the color of the indicator

- Steering Assist indicator (gray): Steering Assist standby
- Steering Assist indicator (green): Steering Assist active

4. Set distance indicator

Displays the selected distance

5. Lane marker indicator

Indicates whether the system detects lane markers

- No lane markers displayed: Steering Assist is turned off
- Lane marker indicator (gray): No lane markers detected
- Lane marker indicator (green): Lane markers detected, Steering Assist is active
- Lane marker indicator (orange): Lane departure is detected

6. ProPILOT Assist status indicator (🚗)

Indicates the status of the ProPILOT Assist system by the color of the indicator

- ProPILOT Assist status indicator (white): ProPILOT Assist is on but in standby
- ProPILOT Assist status indicator (green): ProPILOT Assist active

7. Steering Assist status indicator/warning (🚗)

Displays the status of the Steering Assist by the color of the indicator/warning

- No Steering Assist status indicator displayed: Steering Assist is turned off
- Steering Assist status indicator (gray): Steering Assist standby
- Steering Assist status indicator (green): Steering Assist active
- Steering Assist status indicator (orange): Steering Assist malfunction

8. Speed control status indicator/set distance indicator/lane marker indicator (🚗)

Displays the status of speed control by the color of the indicator, and displays the selected distance by the number of horizontal bars shown

- Speed control status indicator (white): ICC standby
- Speed control status indicator (green): ICC (distance control mode) is active

- Green vehicle icon displayed: Vehicle detected ahead
- No vehicle icon shown: No vehicle detected ahead (Your vehicle maintains the driver-selected set speed.)
- Speed control status indicator (orange): Indicates an ICC malfunction

Refer to “Steering Assist display and indicators” section under “Steering Assist” on page 453.

- 9. Vehicle set speed indicator**
Indicates the vehicle set speed
- 10. Vehicle set speed indicator (if so equipped)**
Indicates the vehicle set speed
- 11. Road information indicator (if so equipped) (A, ↑, ↓)**
Indicates the detected road information
Refer to “Speed Adjust by Route - a feature of ProPILOT Assist with Navi-link” section under “Intelligent Cruise Control (ICC)” on page 436.

12. Detected speed limit sign indicator (if so equipped) (A, ↑, ↓)

Indicates the currently detected speed limit sign
Refer to “Speed Limit Assist - a feature of ProPILOT Assist with Navi-link” section under “Intelligent Cruise Control (ICC)” on page 436.

13. Speed Limit Assist indicator (if so equipped) (A, ↑, ↓)

Indicates the Speed Limit Assist activation mode or system operation
Refer to “Speed Limit Assist - a feature of ProPILOT Assist with Navi-link” section under “Intelligent Cruise Control (ICC)” on page 436.

NOTE

When the ProPILOT Assist system is activated, the display will automatically be switched to the ProPILOT Assist system display. To disable this function, turn “Cruise Screen” off under “Customize Display” of the settings menu.

The ProPILOT Assist display is also shown in the Head Up Display (HUD) (if so equipped). (See “Head Up Display (HUD)” on page 216.)

Turning the conventional (fixed speed) cruise control mode ON

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NOTE

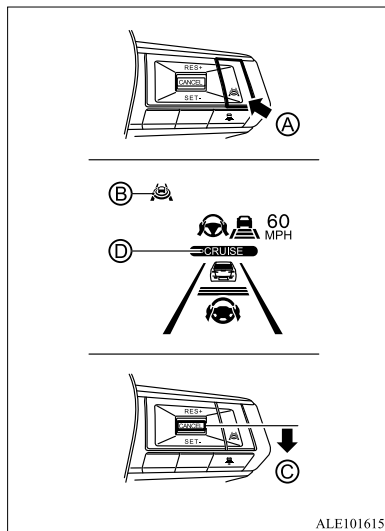
ProPILOT Assist provides no approach warnings, automatic braking, or Steering Assist in the conventional (fixed speed) cruise control mode.

To choose the conventional (fixed speed) cruise control mode, push and hold the ProPILOT Assist switch for longer than approximately 1.5 seconds. For additional information, see “Conventional (fixed speed) cruise control mode” on page 461.

Operating ProPILOT Assist

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Example

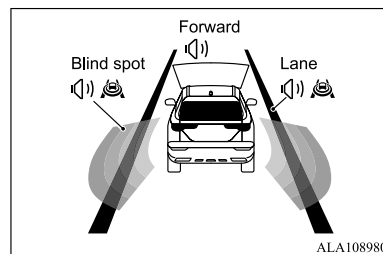


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1. Push the ProPILOT Assist switch (A). This turns on the ProPILOT Assist system.

- The ProPILOT Assist status indicator (B) illuminates in white.
- A screen is displayed for a period of time that indicates the status of the Driving Aid functions.

Example (all enabled)



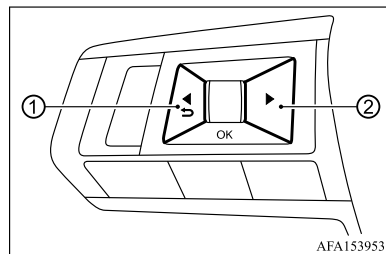
When the Driving Aids are enabled:

Zone	Driving Aid	Display
Forward	Automatic Emergency Braking (AEB) with Pedestrian Detection system	Outline
	Intelligent Forward Collision Warning (I-FCW)	
Lane	Lane Departure Warning (LDW)	Shaded
	Intelligent Lane Intervention (I-LI)	Shaded
Blind Spot	Blind Spot Warning (BSW)	Outline
	Intelligent Blind Spot Intervention (I-BSI)	Shaded

- When any of the "Warning" systems are enabled, the "⚠" mark is shown in each zone.

ProPILOT Assist

- When any of the “Intervention” systems are enabled, the “” mark is shown in each zone.
- When no system is enabled, “OFF” is shown in each zone.



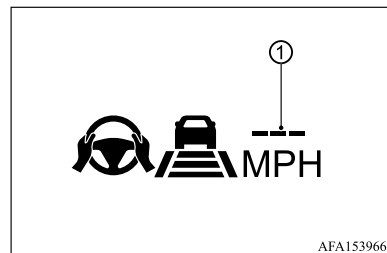
To change the status of the Driving Aids, use ① or ② to navigate the settings screen. For additional information, see “How to use the vehicle information display” on page 174.

2. Accelerate or decelerate your vehicle to the desired speed and push down the SET-switch ③.

The ProPILOT Assist system begins to automatically maintain the vehicle set speed. The ProPILOT Assist activation indicator ④ and ProPILOT Assist status indicator ⑤ illuminate in green. When a vehicle ahead is detected and traveling at a speed of 20 MPH (30 km/h) or below and the SET- switch is pushed down, the vehicle set speed is 20 MPH (30 km/h).

NOTE

When the I-LI and I-BSI systems are enabled in the settings menu of the vehicle information display, turning the ProPILOT Assist system on will turn on the I-LI and I-BSI systems at the same time. If the I-LI system is disabled in the settings menu, the I-LI system will automatically be turned on when the Steering Assist system is active. For additional information, see “Intelligent Lane Intervention (I-LI)” on page 402, “Steering Assist” on page 453 and “Blind Spot Warning (BSW) and Intelligent Blind Spot Intervention (I-BSI)” on page 407.

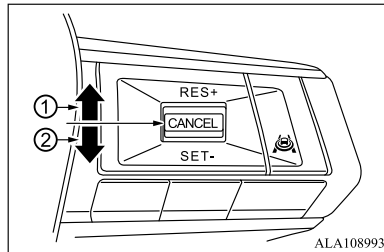


When the SET- switch is pushed down under the following conditions, the ProPILOT Assist system cannot be set and the vehicle set speed indicator ① blinks for approximately 2 seconds.

- When traveling below approximately 20 MPH (30 km/h) and a vehicle ahead is not detected
- When the shift lever is not in the D (Drive) position or the B (Regenerative brake) position. (If you activate the ICC when the shift lever is in the B position, it will automatically switch to the D position.)
- When the parking brake is applied

- When the brakes are operated by the driver
- When the VDC system is off. For additional information, see “Vehicle Dynamic Control (VDC) system” on page 496.
- When the VDC system (including the traction control system) is activated
- When the SNOW mode, GRAVEL mode or MUD mode is selected
- When a wheel is slipping
- When any door is open
- When the driver’s seat belt is not fastened

How to change the set vehicle speed



The set vehicle speed can be adjusted.

To change to a faster cruising speed:

- Push up and hold the RES+ switch ①. The set vehicle speed increases in increments of 5 MPH (5 km/h).
- Push up, then quickly release the RES+ switch ①. Each time you do this, the set vehicle speed increases by 1 MPH (1 km/h).
- Depress the accelerator pedal. When the vehicle attains the desired speed, push down and release the SET- switch.

To change to a slower cruising speed:

- Push down and hold the SET- switch ②. The set vehicle speed decreases in increments of 5 MPH (5 km/h).

- Push down, then quickly release the SET- switch ②. Each time you do this, the set vehicle speed decreases by 1 MPH (1 km/h).

For ProPILOT Assist with Navi-link equipped vehicles: The set vehicle speed can also be changed according to the speed limit sign. (Refer to “Speed Limit Assist - a feature of ProPILOT Assist with Navi-link” section under “Intelligent Cruise Control (ICC)” on page 436.)

How to momentarily accelerate or decelerate

- Depress the accelerator pedal when acceleration is required. Release the accelerator pedal to resume the previously set vehicle speed.

- Depress the brake pedal when deceleration is required. Control by the ProPILOT Assist system is canceled. Push up the RES+ switch to resume the previously set vehicle speed.

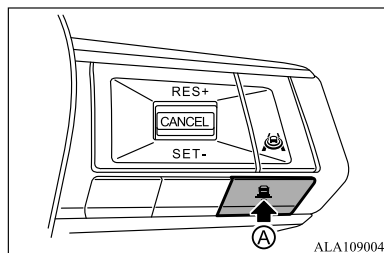
WARNING

When the accelerator pedal is depressed and you are approaching the vehicle ahead, the ICC system will neither control the brake nor warn the driver with the chime and display. The driver must manually control the vehicle speed to maintain a safe distance to the vehicle ahead. Failure to do so could result in severe personal injury or death.

NOTE

When you accelerate by depressing the accelerator pedal or decelerate by pushing down the SET- switch and the vehicle travels faster than the speed set by the driver, the set vehicle speed indicator will blink.

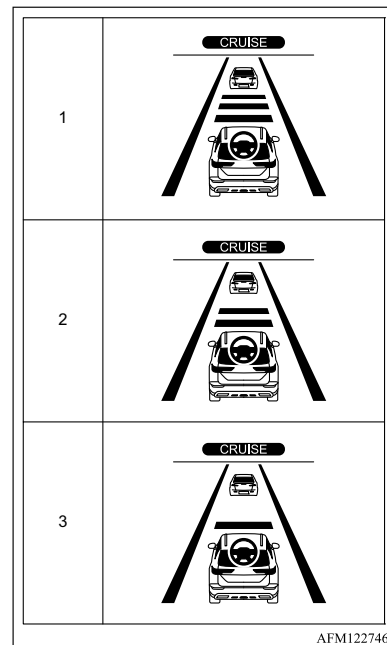
How to change the set distance to the vehicle ahead



The distance to the vehicle ahead can be selected at any time.

Each time the DISTANCE switch (A) is pushed, the set distance will change to "long", "middle", "short" and back to "long" again in that sequence.

Example



Distance — approximate distance at 60 MPH (100 km/h)

- Long – 200 ft (60 m)
- Middle – 150 ft (45 m)

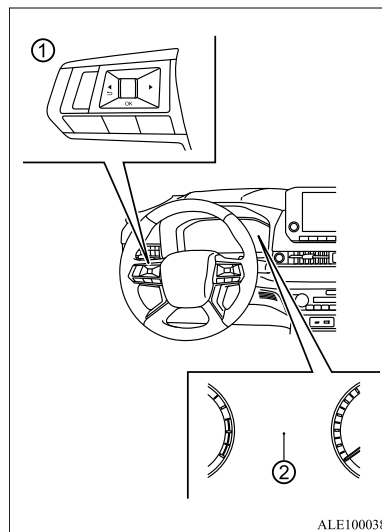
3.Short – 90 ft (30 m)

- The distance to the vehicle ahead changes automatically according to the vehicle speed. The higher the vehicle speed, the longer the distance.
- The distance setting will remain at the current setting even if the Plug-in Hybrid system is restarted.

How to enable/disable the Steering Assist

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Use the following methods to enable or disable the Steering Assist.



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- ① Steering-wheel-mounted controls (left side)
- ② Vehicle information display

1. Push the ◀▶ button on the steering wheel ① until "Settings" appears in the vehicle information display ② and then push the scroll dial.
2. Use the scroll dial to select "Driver Assistance." Then push the scroll dial.
3. Select "Steering Assist" and push the scroll dial to turn the Steering Assist on or off.

NOTE

- When the Cruise screen is displayed on the vehicle information display, push the scroll dial on the steering wheel to call up the "Driver Assistance" setting display.
- When enabling/disabling the system through the vehicle information display, the system retains the current settings even if the Plug-in Hybrid system is restarted.

How to cancel the ProPILOT Assist system

N07705300046

To cancel the ProPILOT Assist system, use one of the following methods:

- Push the CANCEL switch.
- Tap the brake pedal (except at a standstill).
- Push the ProPILOT Assist switch to turn the system off. The ProPILOT Assist status indicator will turn off.

When the ProPILOT Assist system is canceled while the vehicle is stopped, the electric parking brake is automatically activated.

WARNING

To prevent the vehicle from moving or rolling unexpectedly, which could result in serious personal injury or property damage, before exiting the vehicle make sure to push the ProPILOT Assist switch to turn the system off, push the electrical parking switch to shift to the P (Park) position, and turn the Plug-in Hybrid system off.

Intelligent Cruise Control (ICC)

N07705400089

- The Intelligent Cruise Control (ICC) is a part of the ProPILOT Assist. To choose the Intelligent Cruise Control (ICC) system without the Steering Assist, activate the ProPILOT Assist and then turn off the Steering Assist. For additional information, see “Operating ProPILOT Assist” on page 431 and “How to enable/disable the Steering Assist” on page 435.

- To choose the conventional (fixed speed) cruise control mode, push and hold the ProPILOT Assist switch for longer than approximately 1.5 seconds. For additional information, see “Conventional (fixed speed) cruise control mode” on page 461.

WARNING

Failure to follow the warnings and instructions for proper use of the ICC system could result in serious injury or death.

- The ICC system is only an aid to assist the driver nor is it a substitute for careful driving. It is recommended for highway use only and it is not intended for city driving. It is the driver's responsibility to stay alert, drive safely, and be in control of the vehicle at all times.

⚠ WARNING

- There are limitations to the ICC system capability. The ICC system does not function in all driving, traffic, weather, and road conditions. It is the driver's responsibility to stay alert, drive safely, keep the vehicle in the traveling lane, and be in control of the vehicle at all times.
- Always observe posted speed limits and do not set the speed over them.
- The ICC system does not react to stationary and slow moving vehicles.
- Always drive carefully and attentively when using the ICC system. Read and understand the Owner's Manual thoroughly before using the ICC system. To avoid serious injury or death, do not rely on the system to prevent accidents or to control the vehicle's speed in emergency situations. Do not use the ICC system except in appropriate road and traffic conditions.

⚠ WARNING

- ICC may be canceled if sudden acceleration occurs on a downhill.

ICC system operation

The ICC system is designed to help maintain a selected distance from the vehicle in front of you and can reduce the speed to match a slower vehicle detected ahead. The system decelerates the vehicle as necessary and if the vehicle ahead is judged to be is detected coming to a stop, the vehicle decelerates to a standstill. However, the ICC system can only apply up to 40% of the vehicle's total braking power.

This system should only be used when traffic conditions allow vehicle speeds to remain fairly constant or when vehicle speeds change gradually. If a vehicle moves into the traveling lane ahead or if a vehicle traveling ahead rapidly decelerates, the distance between vehicles may

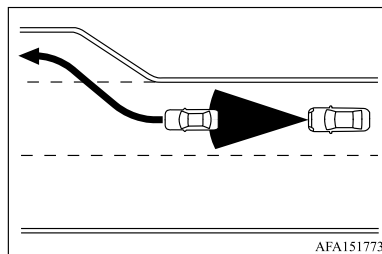
become closer because the ICC system cannot decelerate the vehicle quickly enough. If this occurs, the ICC system sounds a warning chime and blinks the system display to notify the driver to take necessary action.

The ICC system cancels and a warning chime sounds if the speed is below approximately 15 MPH (25 km/h) and a vehicle is not detected ahead. For ProPILOT Assist with Navi-link equipped vehicles on a limited access freeway as identified in the navigation map data, the ICC system cancels and a warning chime sounds if your vehicle is at a standstill for more than approximately 3 seconds and a vehicle is not detected ahead.

The ICC system operates as follows:

- When there are no vehicles traveling ahead, the ICC system maintains the speed set by the driver. The vehicle set speed range is between approximately 20 and 90 MPH (30 and 144 km/h).
- When the EV priority mode is selected, the upper limit of SET vehicle speed is set to 83 MPH (135 km/h).
- When there is a vehicle traveling ahead, the ICC system adjusts the speed to maintain the distance, selected by the driver, from the vehicle ahead. If the vehicle ahead is detected coming to a stop, the vehicle decelerates to a standstill. Once your vehicle stops, the ICC system keeps the vehicle stopped.
- When the vehicle traveling ahead moves to a different traveling lane, the ICC system accelerates and maintains vehicle speed up to the set speed.

The ICC system does not control vehicle speed or warn you when you approach stationary and slow moving vehicles. You must pay attention to vehicle operation to maintain proper distance from vehicles ahead when approaching toll gates or traffic congestion.



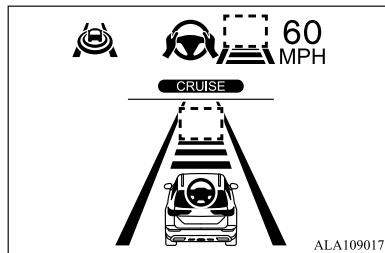
When driving on the highway at a vehicle set speed and approaching a slower traveling vehicle ahead, the ICC system adjusts the speed to maintain the distance, selected by the driver, from the vehicle ahead. If the vehicle ahead changes lanes or exits the highway, the ICC system accelerates and maintains the vehicle

set speed. Pay attention to the driving operation to maintain control of the vehicle as it accelerates to the set speed.

The vehicle may not maintain the set speed on winding or hilly roads. If this occurs, you will have to manually control the vehicle speed.

Normally when controlling the distance to a vehicle ahead, the system automatically accelerates or decelerates your vehicle according to the detected speed of the vehicle ahead.

Depress the accelerator to properly accelerate your vehicle when acceleration is required for a lane change. Depress the brake pedal when deceleration is required to maintain a safe distance to the vehicle ahead due to sudden braking or if a vehicle cuts in. Always stay alert when using the ICC system.

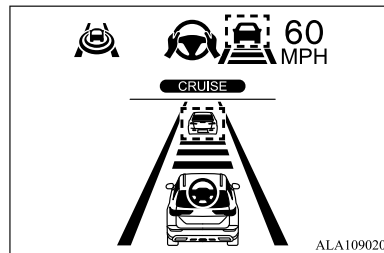
System set display — no vehicle detected ahead*

ALA109017

■ No vehicle detected ahead

The driver sets the desired vehicle speed based on the road conditions. The ICC system maintains the vehicle set speed, similar to standard cruise control, as long as no vehicle is detected in the lane ahead. The ICC system displays the vehicle set speed.

*: The design of the set display may differ depending on the model.

System set display — vehicle ahead*

ALA109020

■ Vehicle detected ahead

When a vehicle is detected in the lane ahead, the ICC system decelerates the vehicle by controlling the throttle and applying the brakes to match the speed of a slower vehicle ahead. The ICC system then adjusts the vehicle speed based on the speed of the vehicle ahead to maintain the driver selected distance.

NOTE

- The stop lights of the vehicle come on when braking is performed by the ICC system.
- When the brake is applied by the system, a noise may be heard. This is not a malfunction.

When the ICC system detects a vehicle ahead, the vehicle ahead detection indicator and the speed control status indicator (distance control mode) illuminates in green.

*: The design of the set display may differ depending on the model.

■ Vehicle ahead stops

When a vehicle ahead is detected and it gradually decelerates to stop, your vehicle decelerates to a standstill. When your vehicle is at a standstill, the "(RES+) Follow Vehicle Ahead" message is displayed on the vehicle information display.

■ Vehicle ahead accelerates

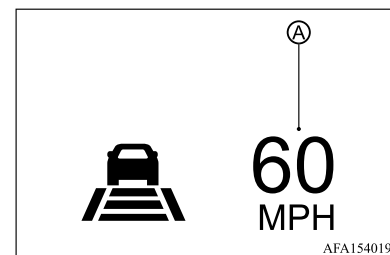
- When your vehicle is stopped for less than approximately 3 seconds and the vehicle ahead is detected as beginning to move, your vehicle will start moving again automatically.
- When your vehicle is at a standstill for more than approximately 3 seconds and the vehicle ahead is detected as beginning to accelerate, push up the RES+ switch or lightly depress the accelerator pedal. The ICC system starts to follow the vehicle ahead.
- Always check surroundings before restarting the vehicle.
- For vehicles equipped with ProPILOT Assist with Navi-link and only when on a limited access freeway (as identified in the navigation map data):
 - The time the vehicle can remain stopped and automatically restart is extended from 3 seconds to 30 seconds.

• If a vehicle ahead cuts in or out of the lane ahead, the vehicle may not automatically start when the traffic ahead begins to move. You need to push up the RES+ switch or lightly depress the accelerator pedal to follow the vehicle directly ahead when it is safe to do so.

■ Vehicle ahead not detected

When a vehicle is no longer detected ahead, the ICC system gradually accelerates your vehicle to resume the previously vehicle set speed. The ICC system then maintains the vehicle set speed. When a vehicle is no longer detected, the vehicle ahead detection indicator and speed control status indicator (maintain speed control mode) turn off. The ICC system gradually accelerates to the vehicle set speed, but you can depress the accelerator pedal to quickly accelerate. When

a vehicle is no longer detected and your vehicle is traveling under approximately 15 MPH (25 km/h), the ICC system automatically cancels. For ProPILOT Assist with Navi-link equipped vehicles on a limited access freeway as identified in the navigation map data, the ICC system cancels and a warning chime sounds if your vehicle is at a standstill for more than approximately 3 seconds and a vehicle is not detected ahead.



When passing another vehicle, the vehicle set speed indicator **A** flashes when the vehicle speed exceeds the set speed. The vehicle ahead detection indicator

turns off when the area ahead of the vehicle is open. When the pedal is released, the vehicle returns to the previously set speed. Even though your vehicle speed is set in the ICC system, you can depress the accelerator pedal when it is necessary to accelerate your vehicle rapidly.

Cut-in detection

If a vehicle moves into your traveling lane near your vehicle, the ICC system may inform the driver by flashing the vehicle ahead detection indicator.

Approach warning

If your vehicle comes closer to the vehicle ahead due to rapid deceleration of that vehicle or if another vehicle cuts in, the system warns the driver with the chime and ICC system display. Decelerate by depressing the brake pedal to maintain a safe vehicle distance if:

- The chime sounds.
- The vehicle ahead detection indicator and set distance indicator blink.
- You judge it necessary to maintain a safe distance.

The warning chime may not sound in some cases when there is a short distance between vehicles. Some examples are:

- When the vehicles are traveling at the same speed and the distance between vehicles is not changing.
- When the vehicle ahead is traveling faster and the distance between vehicles is increasing.
- When a vehicle cuts in near your vehicle.

The warning chime will not sound when:

- Your vehicle approaches other vehicles that are parked or moving slowly.
- The accelerator pedal is depressed, overriding the system.

NOTE

The approach warning chime may sound and the system display may flash when the radar sensor detects objects on the side of the vehicle or on the side of the road. This may cause the ICC system to decelerate or accelerate the vehicle. The radar sensor may detect these objects when the vehicle is driven on winding, narrow, or hilly roads or when the vehicle is entering or exiting a curve. In these cases, you will have to manually control the proper distance ahead of your vehicle.

Also, the sensor sensitivity can be affected by vehicle operation (steering maneuver or driving position in the lane) or traffic or vehicle conditions (for example, if a vehicle is being driven with some damage).

Acceleration when passing

When the ICC system is engaged above 44 MPH (70 km/h) and following a slower vehicle (below the set vehicle speed), and the

turn signal is activated to the left, the ICC system will automatically start to accelerate the vehicle to help initiate passing on the left and will begin to reduce the distance to vehicle directly ahead. Only the left side turn signal operates this feature. As the driver steers the vehicle and moves into the passing lane, if no vehicle is detected ahead the ICC system will continue to accelerate to the set vehicle speed. If another vehicle is detected ahead, then the vehicle will accelerate up to the following speed of that vehicle. If the vehicle is not steered into the left lane to pass, the acceleration will stop after a short time and regain the set following distance. Acceleration can be stopped at any point by depressing the brake pedal or the CANCEL switch on the steering wheel.

WARNING

In order to reduce the risk of a collision that may result in serious injury or death, please be aware of the following:

WARNING

- This function is only activated with the left turn signal and will briefly accelerate the vehicle even if a lane change is not initiated. This can include non-passing situations such as left side exits.
- Ensure that when passing another vehicle, the adjacent lane is clear before initiating the pass. Sudden changes in traffic may occur while passing. Always manually steer or brake as needed. Never solely rely on the system.

Speed Limit Assist - a feature of ProPILOT Assist with Navi-link

WARNING

Listed below are the system limitations for the Speed Limit Assist. Failure to operate the vehicle in accordance with these system limitations could result in serious injury or death:

WARNING

- It is the driver's responsibility to select the proper speed, follow all traffic regulations and observe other road users.
- The Speed Limit Assist may not operate properly and the actual speed limit may not be applied to the vehicle set speed in all conditions. The driver must manually control the vehicle speed.
- When the Traffic Recognition Sign (TSR) system is not functioning properly or turned off. (See "Traffic Sign Recognition (TSR)" on page 394.)
- When driving in countries or areas not covered by the navigation system.
- When crossing national boundaries.
- When driving on the exit of the limited access freeway as identified in the navigation map data.
- When driving in an area with nearby parallel roads (for example, freeway with a parallel service drive).

⚠ WARNING

- When driving in an area where each lane has a different speed limit sign.
- When driving on a road under construction or in a construction zone.
- When the data from the navigation system is not up-to-date or is unavailable.

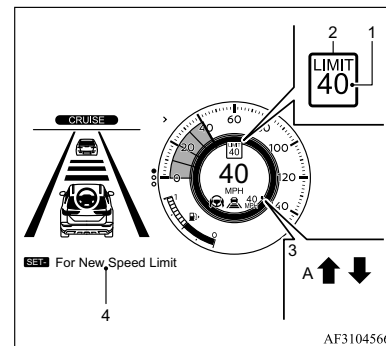
When the ProPILOT Assist with Navi-link is active and it detects a change of the speed limit, the new speed limit sign is indicated and it can be applied to the vehicle set speed automatically or manually.

The Speed Limit Assist operates:

- When the detected speed limit sign is 20 MPH (30 km/h) and above.
- The “Spd. Limit Assist” is enabled in the settings menu of the vehicle information display.

📖 NOTE

- While the accelerator pedal is operated with AUTO mode selected, the Speed Limit Assist will function (automatically adjust the vehicle set speed) only when the detected speed limit sign is faster than the vehicle set speed.
- In the following situations, the Speed Limit Assist will not operate:
 - When an increase in the posted speed limit is detected, but the vehicle set speed is already faster than the new speed limit.
 - When a decrease in the posted speed limit is detected, but the vehicle set speed is already lower than the new speed limit.

■ System display and indicators**Example**

1. Detected speed limit sign indicator
Displays the currently detected speed limit sign. For additional information, see “Traffic Sign Recognition (TSR)” on page 394.
2. Applied speed limit sign indicator (green frame)
Indicates the detected speed limit sign can be applied to the vehicle set speed.

3. Speed Limit Assist indicator

Indicates the system activation mode or system operation.

“↑” : Manual mode is activated and a new speed limit sign (faster speed value) is indicated.

“↓” : Manual mode is activated and a new speed limit sign (lower speed value) is indicated.

“A” : Auto mode is activated.

4. Guidance message, instruction on how to set new speed.

■ Operating the system

When the system detects a different speed limit sign, the new speed value is indicated. The vehicle set speed can be changed to the indicated speed limit sign automatically or manually.

When Manual mode is selected on settings menu (factory default setting):

- To accept the newly indicated speed limit, operate the RES+ switch (in case of speed limit up) or SET- switch (in case of speed limit down).
- The Speed Limit Assist indicator (↑ or ↓) will turn off after approximately 10 seconds if the RES+ or SET- switch is not operated. (The Speed Limit Assist indicator can be turned off immediately by operating the opposite switch from the direction indicated by the Speed Limit Assist indicator.)

The system will not activate if a speed limit sign is not detected.

When Auto mode is selected on the settings menu:

- The indicated speed limit sign is applied to the vehicle set speed automatically when on a limited access freeway as identified in the navigation map data. Also, if the ProPILOT Assist with Navi-link system is ON, but not set (active), and a new speed limit sign is detected, the vehicle set speed is automatically updated.
- The Auto mode may not be available in some regions or on roads other than limited access freeways. In this case, the system operates as the Manual mode.



NOTE

Auto mode will not function in Hawaii or US island territories.

■ How to activate or deactivate the system

1. Push the ◀▶ button on the steering wheel until “Settings” appears in the vehicle information display, and push the scroll dial.
2. Use the scroll dial to select “Driver Assistance”. Then push the scroll dial.
3. Select “Spd. Limit Assist”, and push the scroll dial to select “Auto” or “Manual” to enable (not activate) the system.

To deactivate the system, select “OFF”.

NOTE

The system will retain current settings in the vehicle information display even if the Plug-in Hybrid system is restarted.

Speed Adjust by Route - a feature of ProPILOT Assist with Navi-link (if so equipped)

WARNING

Listed below are the system limitations for the Speed Adjust by Route. Failure to operate the vehicle in accordance with these system limitations could result in serious injury or death:

- There are limitations to the Speed Adjust by Route system capability. The system does not function in all driving, traffic, weather and road conditions. It is the driver's responsibility to stay alert, drive safely, and be in control of the vehicle at all times.
- The Speed Adjust by Route system does not brake the vehicle to a stop. Whenever necessary, the driver must apply appropriate braking.
- It is the driver's responsibility to select the proper speed, follow all traffic regulations and observe other road users.

WARNING

- The Speed Adjust by Route system will not function in Hawaii or US island territories.
- The Speed Adjust by Route may not operate properly in some road and traffic conditions, the system may unexpectedly change the speed. The driver must manually control the vehicle speed.
- When the data from the navigation system is not up-to-date or is unavailable.
- When not driving along the route suggested by the navigation system.
- When the navigation system is recalculating the route.
- When driving in countries or areas not covered by the navigation system.
- When driving on a road under construction or newly constructed road.
- When driving near a road split or junction.
- When driving in bad weather or poor road conditions.

ProPILOT Assist

When the ProPILOT Assist with Navi-link is active on a limited access freeway (as identified in the navigation map data), the Speed Adjust by Route uses road information provided by the navigation system and can adjust the vehicle speed depending on curves, junctions and exits. The system may not always reduce speed for all curves, junctions or exits and the driver may need to apply additional braking at any time.

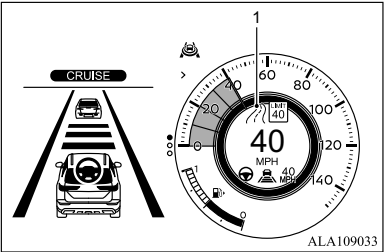
When the vehicle is through the curve or junction, the vehicle will accelerate again to the set speed. When exiting the limited access freeway, the driver will need to apply braking at the end of the exit.

NOTE

- The system does not operate when the accelerator pedal is depressed.
- The system may not operate depending on the set distance to the vehicle ahead and vehicles detected ahead.

■ System display and indicators

Example



1. Road information indicator
Appears when the system adjusts the speed depending on turns or exits.

	Curves and junctions
	Exits

■ How to activate or deactivate the system

1. Push the ◀▶ button on the steering wheel until “Settings” appears in the vehicle information display, and push the scroll dial.
2. Use the scroll dial to select “Driver Assistance”. Then push the scroll dial.
3. Select “Speed Adjust by Route” and push the scroll dial to turn the system on or off.

NOTE

The system will retain current settings in the vehicle information display even if the Plug-in Hybrid system is restarted.

ICC system limitations

WARNING

Listed below are the system limitations for the ICC system. Failure to operate the vehicle in accordance with these system limitations could result in serious injury or death:

- The ICC system is primarily intended for use on highways and freeways. It is not advisable to use the ICC system in city/urban traffic.
- The ICC system will not adapt automatically to road conditions. This system should be used in evenly flowing traffic. Do not use the system on roads with sharp curves or on icy roads, in heavy rain or in fog.

WARNING

- As there is a performance limit to the distance control function, never rely solely on the ICC system. This system does not correct careless, inattentive or absentminded driving or overcome poor visibility in rain, fog, or other bad weather. Decelerate the vehicle speed by depressing the brake pedal, depending on the distance to the vehicle ahead and the surrounding circumstances in order to maintain a safe distance between vehicles.
- When the ICC system automatically brings the vehicle to a stop, your vehicle can automatically accelerate if the vehicle is stopped for less than approximately 3 seconds. Be prepared to stop your vehicle if necessary.
- For vehicles equipped with ProPILOT Assist with Navi-link and only when on a limited access freeway (as identified in the navigation map data):

WARNING

- The time the vehicle can remain stopped and automatically restart is extended from 3 seconds to 30 seconds.
- If a vehicle ahead cuts in or out of the lane ahead, the vehicle may not automatically start when the traffic ahead begins to move. You need to push up the RES+ switch or lightly depress the accelerator pedal to follow the vehicle directly ahead when it is safe to do so.
- Always check surroundings before restarting the vehicle.
- Always pay attention to the operation of the vehicle and be ready to manually control the proper following distance. The ICC system may not be able to maintain the selected distance between vehicles (following distance) or selected vehicle speed under some circumstances.
- The ICC system does not detect the following objects:
 - Stationary or slow moving vehicles (when your vehicle is approaching them)

⚠ WARNING

- Pedestrians or objects in the roadway
- Oncoming vehicles in the same lane
- Motorcycles traveling offset in the travel lane
- The ICC system may not detect a vehicle ahead in certain road, weather or driving conditions. To avoid accidents, never use the ICC system under the following conditions:
 - On roads with heavy, high-speed traffic or sharp curves
 - On slippery road surfaces such as on ice or snow, etc.
 - On a bumpy road surface, such as an uneven dirt road
 - On steep downhill roads (the vehicle may go beyond the vehicle set speed and frequent braking may result in overheating the brakes)
 - On repeated uphill and downhill roads
 - During bad weather (rain, fog, snow, etc.)

⚠ WARNING

- When the sensor detection is reduced (conditions such as rain, snow, fog, dust storms, sandstorms, and road spray from other vehicles)
- When dirt, ice, snow or other material adhere to the radar sensor area
- When traffic conditions make it difficult to keep a proper distance between vehicles because of frequent acceleration or deceleration
- When a complicated-shaped vehicle such as a car carrier trailer or flatbed truck/trailer is near the vehicle ahead
- When there is interference by other radar sources
- When excessively heavy baggage is loaded in the rear seat or cargo area of your vehicle
- When towing a trailer or other vehicle

⚠ WARNING

- In some road or traffic conditions, a vehicle or object can unexpectedly come into the sensor detection zone and cause automatic braking. Always stay alert and avoid using the ICC system where not recommended in this warning section.
- The ICC system also uses a front camera. The following are some conditions in which the camera may not properly detect a vehicle and detection of a vehicle ahead may be delayed:
 - Poor visibility (conditions such as rain, snow, fog, dust storms, sandstorms, and road spray from other vehicles)
 - The camera area of the windshield is fogged up or covered with dirt, water drops, ice, snow, etc.
 - Strong light (for example, sunlight or high beams from oncoming vehicles) enters the front camera

⚠ WARNING

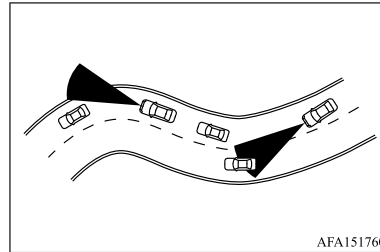
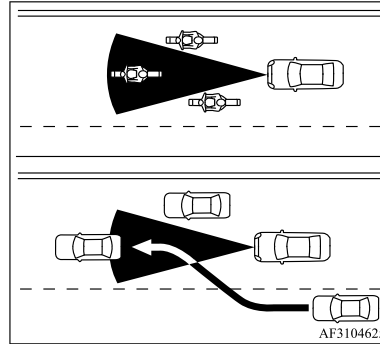
- **A sudden change in brightness occurs (for example, when the vehicle enters or exits a tunnel or shaded area or lightning flashes)**

The ICC system is designed to automatically check the radar sensor's operation within the limitations of the system.

The detection zone of the radar sensor is limited. A vehicle ahead must be in the detection zone for the ICC system to maintain the selected distance from the vehicle ahead. A vehicle ahead may move outside of the detection zone due to its position within the same lane of travel. Motorcycles may not be detected in the same lane ahead if they are traveling offset from the center line of the lane. A vehicle that is entering the lane ahead may not be detected until the vehicle has completely moved into the lane.

If this occurs, the ICC system may warn you by blinking the system indicator and sounding the

chime. The driver may have to manually control the proper distance away from the vehicle traveling ahead.



When driving on some roads, such as winding, hilly, curved, narrow roads, or roads which are under construction, the radar sensor may detect vehicles in a different lane, or may temporarily not detect a vehicle traveling ahead. This may cause the ICC system to decelerate or accelerate the vehicle.

The detection of vehicles may also be affected by vehicle operation (steering maneuver or traveling position in the lane, etc.) or vehicle condition.

If this occurs, the ICC system may warn you by blinking the system indicator and sounding the chime unexpectedly. You will have to manually control the proper distance away from the vehicle traveling ahead.

ICC system temporarily unavailable

The following are conditions in which the ICC system may be temporarily unavailable. In these

instances, the ICC system may not cancel and may not be able to maintain the selected following distance from the vehicle ahead.

Condition A:

Under the following conditions, the ICC system is automatically canceled. A chime will sound and the system will not be able to be set:

- Any door is open.
- The driver's seat belt is unfastened.
- The vehicle ahead is not detected and your vehicle is traveling below the speed of 15 MPH (25 km/h). For ProPILOT Assist with Navi-link equipped vehicles on a limited access freeway as identified in the navigation map data, the ICC system cancels and a warning chime sounds if your vehicle is at a standstill for more than approximately 3 seconds and a vehicle is not detected ahead.
- Your vehicle has been stopped by the ICC system for approximately 3 minutes or longer.
- When the shift lever is not in the D (Drive) position or the B (Regenerative brake) position. (If you activate the ICC when the shift lever is in the B position, it will automatically switch to the D position.)
- The electric parking brake is applied.
- The VDC system is turned off.
- The AEB applies harder braking.
- VDC (including the traction control system) operates.
- The SNOW mode, GRAVEL mode or MUD mode is selected.
- A wheel slips.
- When the front radar is impaired due to dirt or an other obstruction blocking the radar sensor.
- When the radar signal is temporarily interrupted.

Action to take:

When the conditions listed above are no longer present, turn the system off using the ProPILOT Assist switch. Turn the ProPILOT Assist system back on to use the system.



NOTE

When the ICC system is canceled under any of the following conditions at a standstill, the electric parking brake is automatically activated:

- Any door is open.
- The driver's seat belt is unfastened.
- Your vehicle has been stopped by the ICC system for approximately 3 minutes or longer.
- When the shift lever is not in the D (Drive) position or the B (Regenerative brake) position. (If you activate the ICC when the shift lever is in the B position, it will automatically switch to the D position.)
- The VDC system is turned off.
- When the front radar is impaired due to dirt or an other obstruction blocking the radar sensor.

**NOTE**

- When the radar signal is temporarily interrupted.

Condition B:

When there is inclement weather (rain, fog, snow, etc.) blocking the front radar sensor, the ICC system will automatically be canceled, the chime will sound and the "Forward Driving Aids temporarily disabled Front Sensor blocked" warning message will appear in the vehicle information display.

Action to take:

When the above condition is no longer present, the warning message will no longer be available in the vehicle information display and the system will operate normally. If the warning message continues to appear, have the system checked. It is recommended that you visit a Nissan Electric Vehicle certified dealer for this service.

Condition C:

When the radar sensor on the front of the vehicle is covered

with dirt or is obstructed, the ICC system will automatically be canceled.

The chime will sound and the "Forward Driving Aids temporarily disabled Front Sensor blocked" warning message will appear in the vehicle information display.

Action to take:

If the warning message appears, stop the vehicle in a safe place, push the electrical parking switch to engage the P (Park) position, and turn the Plug-in Hybrid system off. When the radar signal is temporarily interrupted, clean the sensor area and restart the Plug-in Hybrid system. If the warning message continues to appear, have the system checked. It is recommended that you visit a Nissan Electric Vehicle certified dealer for this service.

Condition D:

When driving on roads with limited road structures or buildings (for example, long bridges, deserts, snow fields, driving next to long walls), the system may dis-

play the "Forward Driving Aids temporarily disabled Front Sensor blocked" message.

Action to take:

When the above driving conditions no longer exist, turn the system back on.

ICC system malfunction

If the ICC system malfunctions, it will be turned off automatically, a chime will sound, and the speed control status warning (orange) will illuminate.

Action to take:

If the warning illuminates, stop the vehicle in a safe place. Turn the Plug-in Hybrid system off, restart the Plug-in Hybrid system and set the ICC system again. If it is not possible to set the ICC system or the warning stays on, it may be a malfunction. Although the normal driving can be continued, the ICC system should be inspected. It is recommended that you visit a Nissan Electric

Vehicle certified dealer for this service.

NOTE

If the ICC system is temporarily unavailable, the conventional cruise control mode may still be used. For additional information, see "Conventional (fixed speed) cruise control mode" on page 461.

ICC sensor maintenance

The radar sensor is located on the front of the vehicle.

To keep the ICC system operating properly, be sure to observe the following:

- Always keep the sensor area clean.
- Do not strike or damage the areas around the sensor.
- Do not attach a sticker (including transparent material) or install an accessory near the sensor. This could cause failure or malfunction.

- Do not attach metallic objects near the sensor area (brush guard, etc.). This could cause failure or malfunction.
- Do not alter, remove, or paint the exterior of the vehicle front area.

Before customizing or restoring the front bumper, it is recommended that you visit a Nissan Electric Vehicle certified dealer.

The camera sensor is located above the inside mirror.

To keep the proper operation of the systems and prevent a system malfunction, be sure to observe the following:

- Always keep the windshield clean.
- Do not attach a sticker (including transparent material) or install an accessory near the camera unit.

- Do not place reflective materials, such as white paper or a mirror, on the instrument panel. The reflection of sunlight may adversely affect the camera unit's capability of detecting the lane markers.
- Do not strike or damage the areas around the camera unit. Do not touch the camera lens or remove the screw located on the camera unit.

If the camera unit is damaged due to an accident, it is recommended that you visit a Nissan Electric Vehicle certified dealer.

■ Radio frequency statement

For USA

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

1. this device may not cause harmful interference and

2. this device must accept any interference received, including interference that may cause undesired operation.

CAUTION

Changes or modifications made to this equipment not expressly approved by Robert Bosch GmbH may void the FCC authorization to operate this equipment.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause

harmful interference in which case the user will be required to correct the interference at his own expense.

Radio frequency radiation exposure Information:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

For Canada

Legal warning text for RF equipment:

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: (1) This device may not cause interference. (2) This device must accept any interference, including inter-

ference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) L'appareil ne doit pas produire de brouillage; (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Steering Assist

N07705500064

WARNING

Failure to follow the warnings and instructions for proper use of the Steering Assist could result in serious injury or death.

⚠ WARNING

- The Steering Assist is not a replacement for proper driving procedures and is not designed to correct careless, inattentive or absent-minded driving. The Steering Assist will not always steer the vehicle to keep it in the lane. It is not designed to prevent loss of control. It is the driver's responsibility to stay alert, drive safely, keep the vehicle in the traveling lane, and be in control of the vehicle at all times.
- As there is a performance limit to the Steering Assist's capability, never rely solely on the system. The Steering Assist does not function in all driving, traffic, weather, and road conditions. Always drive safely, pay attention to the operation of the vehicle, and manually control your vehicle appropriately.
- The Steering Assist is intended for use on well-developed highways with gentle (moderate) curves. To avoid risk of an accident, do not use this system on local or non-highway roads.

⚠ WARNING

- The Steering Assist only steers the vehicle to maintain its position in the center of a lane. The vehicle will not steer to avoid objects in the road in front of the vehicle or to avoid a vehicle moving into your lane.
- It is the driver's responsibility to stay alert, drive safely, keep the vehicle in the traveling lane, and be in control of the vehicle at all times. Never take your hands off the steering wheel when driving. Always keep your hands on the steering wheel and drive your vehicle safely.
- Always drive carefully and attentively when using the Steering Assist. Read and understand the Owner's Manual thoroughly before using the Steering Assist. To avoid serious injury or death, do not rely on the system to prevent accidents or to control the vehicle's speed in emergency situations. Do not use the Steering Assist except in appropriate road and traffic conditions.

Steering Assist operation

The Steering Assist helps the driver keep the vehicle near the center of the lane when both right and left lane markers are detected. The Steering Assist only operates when combined with the Intelligent Cruise Control (ICC) system. For additional information, see "Intelligent Cruise Control (ICC)" on page 436.

The Steering Assist can be activated when the following conditions are met:

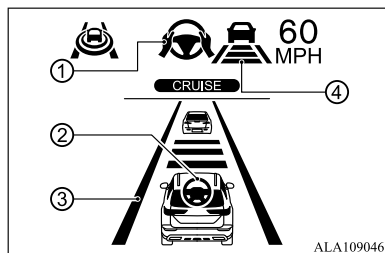
- The ICC system is activated and the speed set.
- Lane markers on both sides are clearly detected.
- Your vehicle is traveling at a speed over approximately 37 MPH (60 km/h), OR a vehicle is detected in front of you when traveling under approximately 37 MPH (60 km/h).
- The driver grips the steering wheel.

- The vehicle is driven at the center of the lane.
- The turn signals are not operated.
- The windshield wiper is not operated in the high speed position (the Steering Assist function is disabled after the wiper operates for approximately 10 seconds in the high speed position).

To enable or disable the Steering Assist, see “How to enable/disable the Steering Assist” on page 435.

Steering Assist display and indicators

Example



1. Steering Assist status indicator/warning ①

Displays the status of the Steering Assist by the color of the indicator/warning

- Steering Assist status indicator (gray): Steering Assist standby
- Steering Assist status indicator (green): Steering Assist active
- Steering Assist status indicator (orange): Steering Assist malfunction

2. Steering Assist indicator ②

Indicates the status of the Steering Assist by the color of the indicator

- Steering Assist indicator (gray): Steering Assist standby
- Steering Assist indicator (green): Steering Assist active

3. Lane marker indicator ③

Indicates whether the system detects the lane marker

- Lane marker indicator (gray): Lane markers not detected
- Lane marker indicator (green): Lane markers detected

- Lane marker indicator (orange): Lane departure is detected

4. Lane marker indicator/speed control status indicator/set distance indicator ④

Displays the status of the Steering Assist by the color of the lane marker indicator.

- Lane marker indicator (gray): Steering Assist standby
- Lane marker indicator (green): Steering Assist active

For the speed control status indicator and set distance indicator, see “ProPILOT Assist system display and indicators” on page 429. When the Steering Assist is in operation, the Steering Assist status indicator ①, the Steering Assist indicator ②, and the lane marker indicator ③ and ④ on the vehicle information display turn green. A chime sounds when the Steering Assist initially activates. When the Steering Assist deactivates, the Steering Assist status indicator ①, the Steering Assist

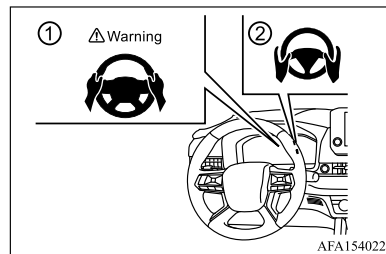
indicator ②, and the lane marker indicator ③ and ④ on the vehicle information display turn gray and a chime sounds twice.

Intelligent Lane Intervention (I-LI)

With the Steering Assist active, when a curve or strong cross wind exceeds the capabilities of the system and your vehicle approaches either the left or the right side of the traveling lane, the I-LI system will flash the I-LI indicator on the vehicle information display and provide steering wheel vibration to alert the driver. The warning chime will also sound (4 rapid beeps). Then, the I-LI system automatically applies the brakes for a short period of time to help assist the driver to return the vehicle to the center of the traveling lane. This action is in addition to any Steering Assist actions and the warnings cannot be turned off. For more informa-

tion, see "Intelligent Lane Intervention (I-LI)" on page 402.

Hands on detection



When the Steering Assist is activated, it monitors the driver's steering wheel operation. If the steering wheel is not operated or the driver takes his/her hands off the steering wheel for a period of time, the warning ① appears in the vehicle information display and the hands OFF warning light ② illuminates. If the driver does not operate the steering wheel after the warning has been displayed and the warning light illuminated, an audible

alert sounds and both the warning and the warning light flash. If the driver still does not operate the steering wheel, the system applies a momentary brake application to request the driver to take control of the vehicle again. If the driver still does not respond, the system turns on the hazard flasher and slows the vehicle to a complete stop. The driver can cancel the deceleration at any time by steering, braking, accelerating, or operating the ProPILOT Assist switch.

⚠ WARNING

Steering Assist is not a system for a hands-free driving. Always keep your hands on the steering wheel and drive your vehicle safely. Failure to do so could cause a collision resulting in serious personal injury or death.

NOTE

If the driver lightly touches (instead of firmly grips) the steering wheel, the steering torque sensor may not detect the driver's hand(s) on the steering wheel and a sequence of warnings may occur. When the driver holds and operates the steering wheel again, the warnings turn off.

Steering Assist activation/deactivation

Use the following method to enable or disable the Steering Assist.

■ ProPILOT Assist switch on steering wheel

Press the ProPILOT Assist switch. This will turn ICC system on. Note that Steering Assist may already be switched on, depending on the settings in the "Settings" menu. These settings are retained if the

Plug-in Hybrid system is restarted.

Then press SET- on the right-hand steering-wheel-mounted control to set cruise control speed. When the system detects clear lane markings the Steering Assist icons will turn green and the Steering Assist system will become active.

The Steering Assist icon will remain grey if the vehicle is driven at speeds under approximately 37 MPH (60 km/h) and no vehicle ahead is detected.

■ Setting in the vehicle information display

1. Push the ◀ or ▶ buttons on the steering wheel until the "Settings" menu is displayed in the vehicle information display and press the scroll dial.
2. Use the scroll dial to highlight "Driver Assistance" and then push the scroll dial.
3. Select "Steering Assist" and push the scroll dial to turn the Steering Assist on or off.

NOTE

- When the Steering Assist screen is displayed on the vehicle information display, press the OK button on the steering wheel to show the "Driver Assistance" setting menu.
- When enabling/disabling the system through the vehicle information display or when pressing the Steering Assist switch, the system retains the current settings even if the Plug-in Hybrid system is restarted.

Steering Assist limitations

⚠ WARNING

- In the following situations, the camera may not detect lane markers correctly or may detect lane markers incorrectly and the Steering Assist may not operate properly:

⚠ WARNING

- When driving on roads where there are multiple parallel lane markers, lane markers that are faded or not painted clearly, non-standard lane markers, or lane markers covered with water, dirt, snow, etc.
- When driving on roads with discontinued lane markers
- When driving on roads with a widening or narrowing lane width
- When driving on roads where there are multiple lanes or unclear lane markers due to road construction
- When driving on roads where there are sharply contrasting objects, such as shadows, snow, water, wheel ruts, seams, or lines remaining after road repairs (the Steering Assist could detect these items as lane markers)
- When driving on roads where the traveling lane merges or separates

⚠ WARNING

- Do not use the Steering Assist under the following conditions because the system may not properly detect lane markers. Doing so could cause a loss of vehicle control and result in an accident.
 - During bad weather (rain, fog, snow, dust, etc.)
 - When rain, snow, sand, etc., is thrown up by the wheels of other vehicles
 - When dirt, oil, ice, snow, water, or another object adheres to the camera unit
 - When the lens of the camera unit is foggy
 - When strong light (for example, sunlight or high beams from oncoming vehicles) shines on the camera
 - When the headlights are not bright due to dirt on the lens or the headlights are off in tunnels or darkness
 - When a sudden change in brightness occurs (for example, when the vehicle enters or exits a tunnel or is under a bridge)

⚠ WARNING

- When driving on roads where the traveling lane merges or separates or where there are temporary lane markers because of road construction
- When there is a lane closure due to road repairs
- When driving on a bumpy road surface, such as an uneven dirt road
- When driving on sharp curves or winding roads
- When driving on repeated uphill and downhill roads
- Do not use the Steering Assist under the following conditions because the system will not operate properly:
 - When driving with a tire that is not within normal tire conditions (for example, tire wear, abnormal tire pressure, installation of a spare tire, tire chains, non-standard wheels)
 - When the vehicle is equipped with non-original brake or suspension parts
 - When an object such as a sticker or cargo obstructs the camera

⚠ WARNING

- When excessively heavy baggage is loaded in the rear seat or luggage area of your vehicle
- When the vehicle load capacity is exceeded
- When towing a trailer or other vehicle
- Excessive noise will interfere with the warning chime sound, and the beep may not be heard.
- For the ProPILOT Assist system to operate properly, the windshield in front of the camera must be clean. Replace worn wiper blades. The correct size wiper blades must be used to help make sure the windshield is kept clean. Only use genuine NISSAN wiper blades, or equivalent wiper blades, that are specifically designed for use on your vehicle model and model year. It is recommended that you visit your Nissan Electric Vehicle certified dealer for the correct parts for your vehicle.

Steering Assist temporary standby**Automatic standby due to driving operation:**

When the driver activates the turn signal, the Steering Assist is temporarily placed in a standby mode. (The Steering Assist restarts automatically when the operating conditions are met again.)

Automatic standby:

In the following cases, a double chime sounds, and the Steering Assist is placed in a temporary standby mode. (The Steering Assist restarts automatically when the operating conditions are met again.)

- When the current traveling lane is too narrow to operate.
- When a corner is too tight and the vehicle cannot stay in the traveling lane.
- When lane markers on both sides are no longer detected.

- When a vehicle ahead is no longer detected under approximately 37 MPH (60 km/h).
- When strong light enters the camera unit. (For example, the light directly shines on the front of the vehicle at sunrise or sunset.)
- When the temperature of the camera is too high.

📖 NOTE

For ProPILOT Assist with Navi-link equipped vehicles on a limited access freeway as identified in the navigation map data, the Steering Assist system may continue to operate with visible lane markers on the both sides, even when the vehicle speed is below approximately 37 MPH (60 km/h) and a vehicle is not detected ahead.

Steering Assist cancel

Under the following conditions, the Steering Assist cancels, and the Steering Assist status indica-

tor and the Steering Assist indicator turn off:

- When unusual lane markers appear in the traveling lane or when the lane marker cannot be correctly detected for some time due to certain conditions (for example, a snow rut, the reflection of light on a rainy day, the presence of several unclear lane markers)
- When the windshield wiper operates in the high speed operation (the Steering Assist is disabled when the wiper operates for more than approximately 10 seconds)

Action to take:

Turn the ICC system off using the CANCEL switch. When the conditions listed above are no longer present, turn the ICC system on again.

Steering Assist malfunction

When the system malfunctions, it turns off automatically. The Steering Assist status warning (orange) illuminates. A chime may sound depending on the situation.

Action to take:

Stop the vehicle in a safe location, push the electrical parking switch to shift to the P (Park) position, turn the Plug-in Hybrid system off, restart the Plug-in Hybrid system, resume driving, and set the ICC system again. If the warning (orange) continues to illuminate, the Steering Assist is malfunctioning. Although the vehicle is still drivable under normal conditions, have the system checked. It is recommended that you visit a Nissan Electric Vehicle certified dealer for this service.

Steering Assist maintenance

The camera is located above the inside mirror.

To keep the proper operation of the system and prevent a system malfunction, be sure to observe the following:

- Always keep the windshield clean.
- Do not attach a sticker (including transparent material) or install an accessory near the camera unit.
- Do not place reflective materials, such as white paper or a mirror, on the instrument panel. The reflection of sunlight may adversely affect the camera unit's capability of detecting the lane markers.
- Do not strike or damage the areas around the camera unit. Do not touch the camera lens or remove the screw located on the camera unit.

If the camera unit is damaged due to an accident, it is recommended that you visit a Nissan Electric Vehicle certified dealer.

Conventional (fixed speed) cruise control mode

NO7705600081



NOTE

ProPILOT Assist provides no approach warnings, automatic braking, or Steering Assist in the conventional (fixed speed) cruise control mode.

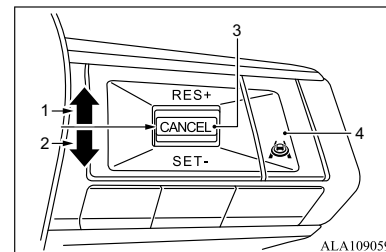
This mode allows driving at a speed between 20 to 90 MPH (30 to 144 km/h) without keeping your foot on the accelerator pedal.

When the EV priority mode is selected, the upper limit of SET vehicle speed is set to 83 MPH (135 km/h).

WARNING

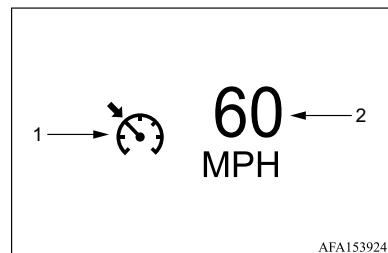
- In the conventional (fixed speed) cruise control mode, a warning chime does not sound to warn you if you are too close to the vehicle ahead, as neither the presence of the vehicle ahead nor the vehicle-to-vehicle distance is detected.
- Pay special attention to the distance between your vehicle and the vehicle ahead of you or a collision could occur.
- Always confirm the setting in the ICC system display.
- Do not use the conventional (fixed speed) cruise control mode when driving under the following conditions:
 - When it is not possible to keep the vehicle at a set speed
 - In heavy traffic or in traffic that varies in speed
 - On winding or hilly roads
 - On slippery roads (rain, snow, ice, etc.)
 - In very windy areas
- Doing so could cause a loss of vehicle control and result in an accident.

Conventional (fixed speed) cruise control switches



1. RES+ switch:
Resumes set vehicle speed or increases speed incrementally
2. SET- switch:
Sets desired cruise speed or reduces speed incrementally
3. CANCEL switch:
Deactivates the system without erasing the set vehicle speed
4. ProPILOT Assist switch:
Turns the ProPILOT Assist system on or off

Conventional (fixed speed) cruise control mode display and indicators



The display is located in the vehicle information display.

1. Cruise indicator:

This indicator indicates the condition of the ICC system depending on a color.

- Cruise control ON indicator (gray): Indicates that the ProPILOT Assist switch is on
- Cruise control SET indicator (green): Indicates that the cruising speed is set

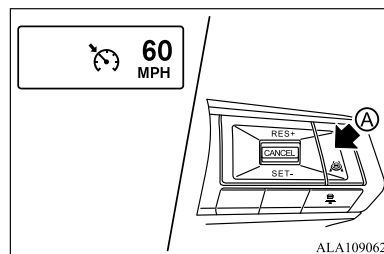
- Cruise control warning (orange): Indicates that there is a malfunction in the ICC system

2. Set vehicle speed indicator:

This indicator indicates the set vehicle speed.

On some models, the speed is displayed in km/h.

Operating conventional (fixed speed) cruise control mode



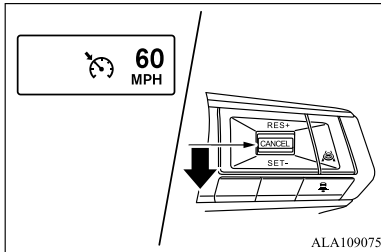
To turn on the conventional (fixed speed) cruise control mode, push and hold the ProPILOT Assist switch (A) for longer than approximately 1.5 seconds.

When pushing the ProPILOT Assist switch on, the conventional (fixed speed) cruise control mode display and indicators are displayed in the vehicle information display. After you hold the ProPILOT Assist switch on for longer than approximately 1.5 seconds, the ICC system display turns off. The cruise indicator appears. You can now set your desired cruising speed. Pushing the ProPILOT Assist switch again will turn the system completely off. When the push-button power switch is placed in the OFF position, the system is also automatically turned off.

To use the ICC system again, quickly push and release the ProPILOT Assist switch (vehicle-to-vehicle distance control mode) or push and hold it (conventional cruise control mode) again to turn it on.

⚠ WARNING

To avoid accidentally engaging cruise control, make sure to turn the ProPILOT Assist switch off when not using the ICC system.



To set cruising speed, accelerate your vehicle to the desired speed, push down the SET- switch and release it. (The color of the cruise indicator changes to green and set vehicle speed indicator comes on.) Take your foot off the accelerator pedal. Your vehicle will maintain the set speed.

- To pass another vehicle, depress the accelerator pedal. When you release the 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. If this happens, manually maintain vehicle speed.

To cancel the preset vehicle speed, use any of the following methods:

1. Push the CANCEL switch. The set vehicle speed indicator will turn gray.
2. Tap the brake pedal. The set vehicle speed indicator will turn gray.
3. Turn the ProPILOT Assist switch off. Both the cruise indicator and set vehicle speed indicator will turn off.

📖 NOTE

- Under the following conditions, the conventional (fixed speed) cruise control mode is automatically canceled with a chime.
 - Your vehicle is traveling below the speed of 15 MPH (25 km/h).
 - VDC (including the traction control system) operates.
 - A wheel slips.
 - The shift lever is not in the D (Drive) position or manual shift mode.
 - The electric parking brake is applied.
 - The VDC turned off.
 - The AEB applies braking.
 - The system malfunctions.
 - The SNOW mode, MUD mode (AWD models) or GRAVEL mode is selected.

To reset at a faster cruising speed, use one of the following three methods:

1. Depress the accelerator pedal. When the vehicle attains the desired speed, push down and release the SET- switch.

Automatic Emergency Braking (AEB) with Pedestrian Detection system

2. Push up and hold the RES+ switch. The set vehicle speed increases in increments of 5 MPH (5 km/h).
3. Push up, then quickly release the RES+ switch. Each time you do this, the set vehicle speed increases by 1 MPH (1 km/h).

To reset at a slower cruising speed, use one of the following three methods:

1. Lightly tap the brake pedal. When the vehicle attains the desired speed, push down the SET- switch and release it.
2. Push down and hold the SET- switch. The set vehicle speed decreases in increments of 5 MPH (5 km/h).
3. Push down, then quickly release the SET- switch. Each time you do this, the set vehicle speed decreases by 1 MPH (1 km/h).

To resume the preset vehicle speed, push up and release the RES+ switch. The vehicle will

resume the last set cruising speed when the vehicle speed is over approximately 20 MPH (30 km/h).

Automatic Emergency Braking (AEB) with Pedestrian Detection system

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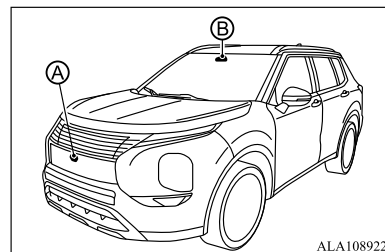
⚠ WARNING

Failure to follow the warnings and instructions for proper use of the AEB system could result in serious injury or death.

- **The AEB system is a supplemental aid to the driver. It is not a replacement for the driver's attention to traffic conditions or responsibility to drive safely. It cannot prevent accidents.**
- **The AEB system does not function in all driving, traffic, weather and road conditions.**

The AEB system can assist the driver when there is a detected risk of a forward collision with:

- a vehicle ahead in the traveling lane
- a pedestrian ahead in the traveling lane



The AEB system uses a radar sensor ① located on the front of the vehicle to measure the distance to the vehicle ahead in the same lane.

For pedestrian, the AEB system uses a camera ② installed behind the windshield in addition to the radar sensor.

AEB system operation

If a risk of a forward collision is detected, the AEB system will first

Automatic Emergency Braking (AEB) with Pedestrian Detection system

provide a warning to the driver by flashing the warning (yellow) in the vehicle information display and providing an audible warning. In addition, the AEB system applies partial braking. If the driver applies the brakes quickly and forcefully, but the AEB system detects that there is still the possibility of a forward collision, the system will automatically increase the braking force.

If the driver has not take any action yet, the AEB system issues the second visual warning (flashing red and white) and audible warning, then the system applies partial braking. If the risk of a collision becomes imminent, the AEB system applies harder braking automatically.

Warning	Visual	Audible
First		Chime

Warning	Visual	Audible
Second		High pitched chime

The AEB system will function when your vehicle is driven at speeds above approximately 6 MPH (10 km/h). For the pedestrian detection function, the AEB system operates at speeds between 6–49 MPH (10–80 km/h).

NOTE

- The vehicle's brake lights come on when braking is performed by the AEB system.
- When the AEB system detects an obstacle in the path of the vehicle and displays the AEB warning, a noise may be heard from the engine compartment as the vehicle primes the brakes to improve response time.

trian ahead, as well as driving and roadway conditions, the system may help the driver avoid a forward collision or may help mitigate the consequences of a collision, should one be unavoidable. If the driver is handling the steering wheel, accelerating or braking, the AEB system will function later or will not function.

If the AEB system has stopped the vehicle, the vehicle will remain at a standstill for approximately 2 seconds before the brakes are released.

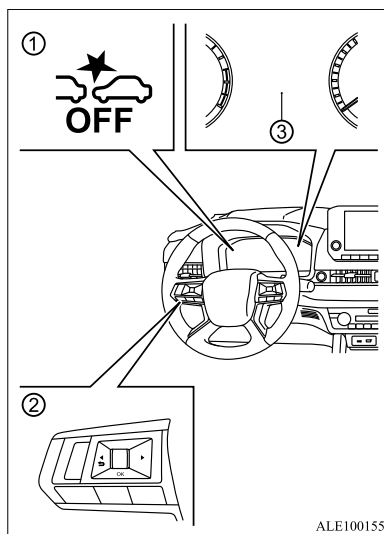
If the brake pedal is depressed while the brakes are being applied by the system, you may feel the pedal effort has changed and may hear a sound and feel vibration. This is normal and does not indicate a malfunction. In addition, the braking force can be increased by increasing the pedal effort.

The automatic braking will cease under the following conditions:

Depending on vehicle speed and distance to the vehicle or pedes-

- When the steering wheel is turned as far as necessary to avoid a collision.
- When there is no longer a vehicle or pedestrian detected ahead.
- When the accelerator pedal is depressed.

Turning the AEB system ON/OFF



- ① AEB system OFF warning light (on the meter panel)
- ② Steering-wheel-mounted controls (left side)

- ③ Vehicle information display

Perform the following steps to turn the AEB system on or off.

1. Press the ◀▶ button until "Settings" appears in the vehicle information display and then push the scroll dial, then push the scroll dial.
For details, see "How to use the vehicle information display" on page 174.
2. Use scroll dial to select the "Driver Assistance" menu then push the scroll dial.
3. In the "Driver Assistance" menu, highlight the "Emergency Brake" item and push the scroll dial. This will turn the AEB system on or off, if Rear Automatic Braking (RAB) is NOT fitted.
4. (Only if Rear Automatic Braking (RAB) is fitted): Select "Front Sonar" and use the scroll dial to turn the system on or off.

When the AEB system is turned off, the AEB system OFF warning light ① will illuminate.

NOTE

- Disabling the VDC system causes the Automatic Emergency Braking (AEB) with Pedestrian Detection system to become unavailable regardless of settings selected in the vehicle information display.
- The AEB system will be automatically turned ON when the Plug-in Hybrid System is restarted.
- The Intelligent Forward Collision Warning (I-FCW) system is integrated into the AEB system. There is not a separate selection for the I-FCW system. When the AEB system is turned off, the I-FCW system is also turned off.

AEB system limitations

WARNING

Listed below are the system limitations for the AEB system. Failure to operate the vehicle in accordance with these system limitations could result in serious injury or death from an accident.

- The AEB system cannot detect all vehicles or pedestrian under all conditions.
- The AEB system does not detect the following objects:
 - Small pedestrians (including small children) and animals.
 - Pedestrians in wheelchairs or using mobile transport such as scooters, child-operated toys, or skateboards.
 - Pedestrians who are seated or otherwise not in a full upright standing or walking position.
 - Crossing vehicles.
 - Obstacles on the roadside
 - Parked vehicles
- The AEB system has some performance limitations.

WARNING

- If a stationary vehicle is in the vehicle's path, the AEB system will not function when the vehicle is driven at speeds over approximately 50 MPH (80 km/h).
- The AEB system may not function for pedestrians in darkness or in tunnels, even if there is street lighting in the area.
- The AEB system may not function if the vehicle ahead is narrow (for example, a motorcycle or an electric scooter).
- The AEB system may not function if the speed difference between the two vehicles is too small.
- The AEB system may not apply braking when the vehicle speed is high in the operation range.
- For pedestrians, the AEB with pedestrian detection system may not issue the first warning.
- The AEB system may not function properly or detect a vehicle or pedestrian ahead in the following conditions:

WARNING

- In dark or dimly lit conditions, such as at night or in tunnels, including cases where your vehicle's headlights are off or dim, or the tail lights of the vehicle ahead are off.
- When the direction of the camera is misaligned.
- Poor visibility (conditions such as rain, snow, fog, dust storms, sandstorms, and road spray from other vehicles)
- Driving on a steep downhill slope or roads with sharp curves.
- Driving on a bumpy road surface, such as an uneven dirt road.
- If dirt, ice, snow or other material is covering the radar sensor area.
- Interference by other radar sources.
- The camera area of windshield is fogged up, or covered with dirt, water drops, ice, snow, etc.

WARNING

- Strong light (for example, sunlight or high beams from oncoming vehicles) enters the front camera. Strong light causes the area around the pedestrian to be cast in a shadow, making it difficult to see.
- A sudden change in brightness occurs. (For example, when the vehicle enters or exits a tunnel or a shaded area or lightning flashes.)
- The poor contrast of a person to the background, such as having clothing color or pattern which is similar to the background.
- The pedestrian's profile is partially obscured or unidentifiable; for example, due to transporting luggage, pushing a stroller, wearing bulky or very loose-fitting clothing or accessories, or being in a unique posture (such as raising hands).

WARNING

- When your vehicle's position or movement is changed quickly or significantly (for example, lane change, turning vehicle, abrupt steering, sudden acceleration or deceleration).
- When your vehicle or the vehicle or pedestrian ahead moves quickly or significantly such that the system cannot detect and react in time (for example, pedestrian moving quickly toward the vehicle at close range, vehicle cutting in, changing lanes, making a turn, steering abruptly, sudden acceleration or deceleration).
- When the vehicle or pedestrian is offset from the vehicle's forward path.
- If the speed difference between the two vehicles is small.
- For approximately 15 seconds after starting the Plug-in Hybrid System.

⚠ WARNING

- If the vehicle ahead or oncoming vehicle has a unique or unusual shape, extremely low or high clearance heights, or unusual cargo loading or is narrow (for example, a motorcycle).
- When the vehicle or pedestrian is located near a traffic sign, a reflective area (for example, water on road), or is in a shadow.
- When multiple pedestrians are grouped together.
- When the view of the pedestrian is obscured by a vehicle or other object.
- While towing a trailer or other vehicle.
- When the object is a pedestrian in a whitish costume or a bicycle with a person in a whitish costume.
- The system performance may degrade in the following conditions:
 - The vehicle is driven on a slippery road.
 - The vehicle is driven on a slope.

⚠ WARNING

- Excessively heavy baggage is loaded in the rear seat or the cargo area of your vehicle.
- The system is designed to automatically check the sensor (radar and camera)'s functionality, within certain limitations. The system may not detect blockage of sensor areas covered by ice, snow or stickers, for example. In these cases, the system may not be able to warn the driver properly. Be sure that you check, clean and clear sensor areas regularly.
- In some road and traffic conditions, the AEB system may unexpectedly apply partial braking. When acceleration is necessary, depress the accelerator pedal to override the system.
- Excessive noise will interfere with the warning chime sound, and the chime may not be heard.
- Braking distances increase on slippery surfaces.

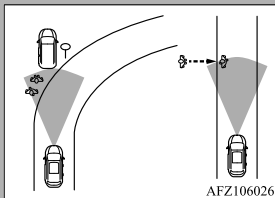
⚠ WARNING

- The Automatic Emergency Braking (AEB) with Pedestrian Detection system may operate when the following points are similar to the outlines of pedestrians, or if they are the same size and position as a vehicle's and motorcycle's tail lights.
- Paint, a shadow or a pattern on the road, roadside or wall (including faded and unusual road markings).
- A shape formed by road structures ahead (such as tunnels, viaducts, traffic sign, reflectors installed on the side of vehicles, reflection sheets, and guardrails), road side objects (trees, buildings) and light sources.
- A shape formed by road side objects, such as trees, lighting, shadows, or buildings.
- The AEB system may keep operating when the vehicle ahead is turning right or left.
- The AEB system may operate when your vehicle is approaching and passing a vehicle ahead.

Automatic Emergency Braking (AEB) with Pedestrian Detection system

WARNING

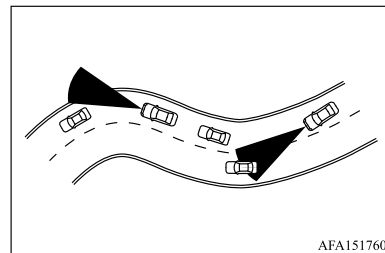
- Depending on the road shape (curved road, entrance and exit of the curve, winding road, lane regulation, under construction, etc.), the function may operate temporarily for the oncoming vehicle in front of your vehicle.
- The AEB system may react to:



- objects on the roadside (traffic sign, guardrail, pedestrian or cyclist, vehicle, etc.)
- objects above road (low bridge, traffic sign, etc.)
- objects on the road surface (railroad track, grate, steel plate, etc.)
- objects in the parking garage (beam, etc.)
- pedestrians, cyclists or motorcycles approaching the traveling lane

WARNING

- Pedestrians and cyclists when driving down narrow alleys, for example.
- Pedestrians and cyclists who temporarily move into or approach the driving lane to avoid obstacles at the side of the road.
- Cyclists
- Objects on the road such as trees.
- vehicles, pedestrians, cyclists, motorcycles or objects in adjacent lane or close to the vehicle
- oncoming pedestrians or cyclists.
- Braking distances increase on slippery surfaces.
- Excessive noise will interfere with the warning chime and the chime may not be heard.



When driving on some roads, such as winding, hilly, curved, narrow roads, or roads which are under construction or on a slope, the sensor may detect vehicles in a different lane, or may temporarily not detect a vehicle traveling ahead. This may cause the system to work inappropriately.

The detection of vehicles may also be affected by vehicle operation (steering maneuver or traveling position in the lane, etc.) or vehicle condition. **If this occurs, the system may warn you by blinking the system indicator and sounding the chime unexpectedly. You will have to manu-**

ally control the proper distance to the vehicle traveling ahead.

System temporarily unavailable

Condition A:

If the following conditions, the AEB system OFF warning light will blink (no message appears in the vehicle information display).

- Strong light is shining from the front of the vehicle.
- The cabin temperature is over approximately 104°F (40°C) in direct sunlight.
- The camera area of the windshield is misted or frozen.
- The camera unit detects its misalignment condition.
- The radar sensor picks up interference from another radar source.

Action to take:

When the above conditions no longer exist, the AEB system will resume automatically.

NOTE

When the inside of the windshield on camera area is misted or frozen, it will take a period of time to remove it after air conditioner turns on. If dirt appears on this area, it is recommended you visit a Nissan Electric Vehicle certified dealer.

Condition B:

In the following condition, the AEB system OFF warning light will flash and the "Forward Driving Aids Temporarily Disabled Front Sensor Blocked" warning message will appear in the vehicle information display.

- The sensor area of the front of the vehicle is covered with dirt or is obstructed.

Action to take:

If the warning light flashes, stop the vehicle in a safe place and turn the Plug-in Hybrid System off. Clean the radar cover on the front of the vehicle with a soft cloth, and restart the Plug-in

Hybrid System. If the warning message continues to illuminate, check that the cover of the sensor is not covered by dirt, snow or ice. If the warning light is still illuminated, have the AEB system checked. It is recommended that you visit a Nissan Electric Vehicle certified dealer for this service.

- When driving on roads with limited road structures or buildings (for example, long bridges, deserts, snow fields, driving next to long walls).

Action to take:

When the above conditions no longer exist, the AEB system will resume automatically.

Condition C:

In the following condition, the AEB system warning light will illuminate and the "Forward Driving Aids Temporarily Disabled Front Sensor Blocked" warning message will appear in the vehicle information display.

Automatic Emergency Braking (AEB) with Pedestrian Detection system

- The sensor area of the front of the vehicle is covered with dirt or is obstructed.

Action to take:

If the warning light (yellow) comes on, stop the vehicle in a safe place and turn the Plug-in Hybrid System off. Check if the sensor area at the front of the vehicle, and remove the blocking material. Restart the Plug-in Hybrid System. If the warning light continues to illuminate after driving for a few minutes, have the Automatic Emergency Braking (AEB) with Pedestrian Detection system checked by a Nissan Electric Vehicle certified dealer or qualified workshop.

Condition D:

When the Vehicle Dynamic Control (VDC) system is OFF, the AEB brake will not operate. In this case only visible and audible warning operates. The AEB system warning light (yellow) will illuminate.

Action to take:

When the VDC is ON, the AEB system will resume automatically.

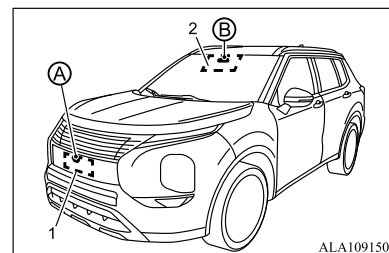
System malfunction

If the AEB system malfunctions, it will be turned off automatically, a chime will sound, the AEB system warning light will illuminate and the warning message "Malfunction See Owner's Manual" will appear in the vehicle information display.

Action to take:

If the warning light (yellow) comes on, stop the vehicle in a safe location. Turn the Plug-in Hybrid System off and restart the Plug-in Hybrid System. If the warning light continues to illuminate, have the AEB system checked. It is recommended that you visit a Nissan Electric Vehicle certified dealer for this service.

System maintenance



The radar sensor ① is located on the front of the vehicle. The camera ② is located on the upper side of the windshield.

The sensor for the Automatic Emergency Braking (AEB) with Pedestrian Detection system ① is located at the front of the vehicle. To keep the AEB system operating properly, be sure to observe the following:

- Always keep the areas of the radar sensor (1) and the camera (2) clean.

- Do not strike or damage the areas of the radar sensor (1) and the camera (2).
- Do not cover or attach stickers (including transparent material), or similar objects near the areas of the radar sensor (1) and the camera (2). This could cause failure or malfunction.
- Do not attach metallic objects near the areas of the radar sensor (1) and the camera (2) (brush guard, stickers (including transparent material), etc.) This could cause failure or malfunction.
- Do not place reflective materials, such as white paper or a mirror, on the instrument panel. The reflection of sunlight may adversely affect the camera unit's detection capability.
- Do not alter, remove or paint the front of the vehicle near the sensor area. Before customizing or restoring the sensor area, it is recommended that you visit a Nissan Electric Vehicle certified dealer.

- When the radar sensor ㊸, the camera ㊹ or the areas of them (1) (2) is damaged due to an accident, the AEB system malfunctions and it could result in an accident.

Radio frequency statement

For USA

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- 1.this device may not cause harmful interference and
- 2.this device must accept any interference received,including interference that may cause undesired operation.

CAUTION

Changes or modifications made to this equipment not expressly approved by Robert Bosch GmbH may void the FCC authorization to operate this equipment.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Radio frequency radiation exposure Information:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with mini-

Intelligent Forward Collision Warning (I-FCW)

minimum distance of 20 cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

For Canada

Legal warning text for RF equipment:

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: (1) This device may not cause interference. (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) L'appareil ne doit

pas produire de brouillage; (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Intelligent Forward Collision Warning (I-FCW)

N07705800083

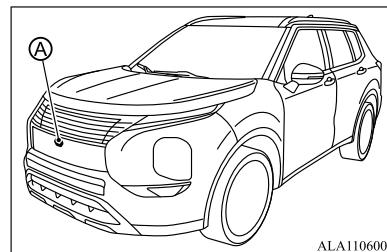
WARNING

Failure to follow the warnings and instructions for proper use of the I-FCW system could result in serious injury or death from an accident.

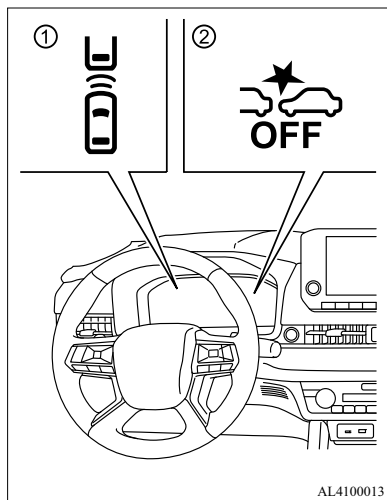
- **The I-FCW system helps warn the driver before a collision but will not avoid a collision. It is the driver's responsibility to stay alert, drive safely and be in control of the vehicle at all times.**

The I-FCW system can help alert the driver when sudden braking of a second vehicle traveling in

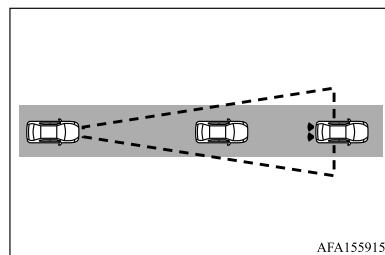
front of the vehicle ahead in the same lane is detected.



The I-FCW system uses a radar sensor  located on the front of the vehicle to measure the distance to a second vehicle ahead in the same lane.



- ① Vehicle ahead detection indicator (on the vehicle information display)
- ② Automatic Emergency Braking (AEB) system OFF warning light (on the meter panel)

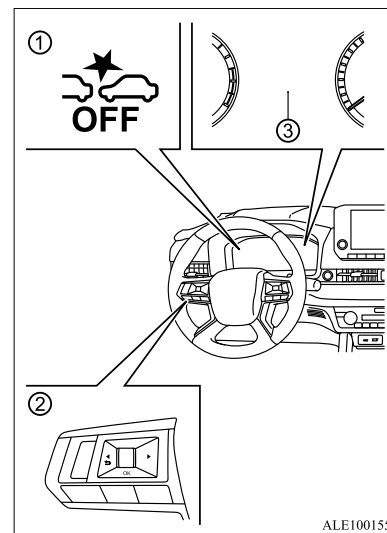


I-FCW system operation

The I-FCW system operates at speeds above approximately 3 MPH (5 km/h).

If a potential risk of a forward collision is detected there is a potential risk of a forward collision, the I-FCW system will warn the driver by blinking the vehicle ahead detection indicator ①, and sounding an audible alert.

Turning the I-FCW system ON/OFF



- ① AEB system OFF warning light (on the meter panel)
- ② Steering-wheel-mounted controls (left side)

Intelligent Forward Collision Warning (I-FCW)

- ③ Vehicle information display

Perform the following steps to turn the I-FCW system on or off.

1. Press the ◀▶ button until "Settings" appears in the vehicle information display and then push the scroll dial, then push the scroll dial.
For details, see "How to use the vehicle information display" on page 174.
2. Use scroll dial to select the "Driver Assistance" menu then push the scroll dial.
3. In the "Driver Assistance" menu, highlight the "Emergency Brake" item and push the scroll dial. This will turn the I-FCW system on or off, if Rear Automatic Braking (RAB) is NOT fitted.
4. (Only if Rear Automatic Braking (RAB) is fitted): Select "Front Sonar" and use the scroll dial to turn the system on or off.

When the I-FCW system is turned off, the AEB system OFF warning light (yellow) ① illuminates.

NOTE

- The I-FCW system will be automatically turned on when the Plug-in Hybrid System is restarted.
- The I-FCW system is integrated into the AEB system. There is not a separate selection in the display for the I-FCW system. When the AEB system is turned off, the I-FCW system is also turned off.

I-FCW system limitations

Illustration A

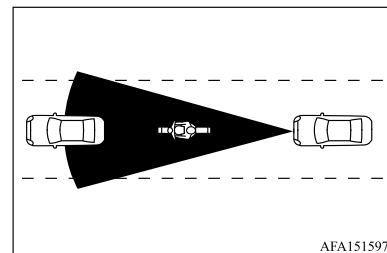


Illustration B

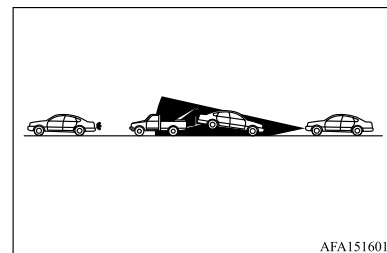


Illustration C

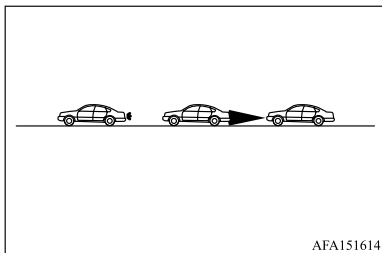
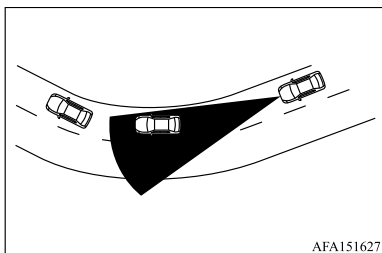


Illustration D



⚠ WARNING

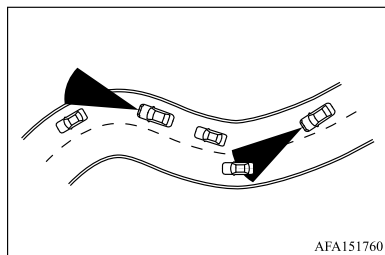
Listed below are the system limitations for the I-FCW system. Failure to operate the vehicle in accordance with these system limitations could result in serious injury or death from an accident.

⚠ WARNING

- The I-FCW system cannot detect all vehicles under all conditions.
- The radar sensor does not detect the following objects:
 - Pedestrians, animals or obstacles in the roadway
 - Oncoming vehicles
 - Crossing vehicles
- (Illustration A) The I-FCW system does not function when a vehicle ahead is a narrow vehicle, such as a motorcycle.
- The radar sensor may not detect a vehicle ahead in the following conditions:
 - Snow or heavy rain
 - Dirt, ice, snow or other material covering the radar sensor
 - Interference by other radar sources
 - Snow or road spray from traveling vehicles.
 - Driving in a tunnel
 - Towing a trailer
- (Illustration B) When the vehicle ahead is being towed.

⚠ WARNING

- (Illustration C) When the distance to the vehicle ahead is too close, the beam of the radar sensor is obstructed.
- (Illustration D) When driving on a steep downhill slope or roads with sharp curves.
- The system is designed to automatically check the sensor's functionality, within certain limitations. The system may not detect some forms of obstruction of the sensor area such as ice, snow, stickers, for example. In these cases, the system may not be able to warn the driver properly. Be sure that you check, clean and clear the sensor area regularly.
- Excessive noise will interfere with the warning chime sound, and the chime may not be heard.



When driving on some roads, such as winding, hilly, curved, narrow roads, or roads which are under construction, the radar sensor may detect vehicles in a different lane, or may temporarily not detect a vehicle traveling ahead. This may cause the I-FCW system to work inappropriately. The detection of vehicles may also be affected by vehicle operation (steering maneuver or traveling position in the lane, etc.) or vehicle condition. **If this occurs, the system may warn you by blinking the vehicle ahead detection indicator and sounding the chime unexpectedly. You will have to manually control**

the proper distance away from the vehicle traveling ahead.

System temporarily unavailable

Condition A:

When the radar sensor picks up interference from another radar source, making it impossible to detect a vehicle ahead, the I-FCW system is automatically turned off. The AEB system warning light will illuminate.

Action to take:

When the above conditions no longer exist, the I-FCW system will resume automatically.

Condition B:

Under the following conditions, making it impossible to detect a vehicle ahead, the I-FCW system is automatically turned off.

The AEB system warning light will illuminate and the "Forward Driving Aids temporarily disabled Front Sensor blocked" warning

message will appear in the vehicle information display.

- When the sensor area of the front of the vehicle is covered with dirt or is obstructed

Action to take:

If the AEB system warning light (yellow) comes on, stop the vehicle in a safe place, push the park button to shift to the P (Park) position and turn the Plug-in Hybrid system off. Clean the radar cover on the vehicle front area with a soft cloth, and restart the Plug-in Hybrid system. If the warning light continues to illuminate, check that the cover of the sensor is not covered by dirt, snow or ice. If the warning light is still illuminated, have the I-FCW system checked. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service.

- When driving on roads with limited road structures or buildings (for example, long bridges, deserts, snow fields, driving next to long walls)

Action to take:

When the above conditions no longer exist, the I-FCW system will resume automatically.

System malfunction

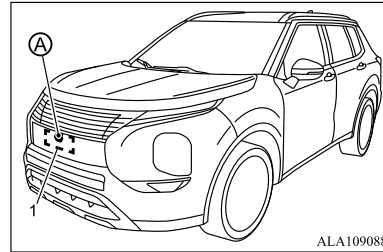
If the I-FCW system malfunctions, it will be turned off automatically, a chime will sound, the AEB system warning light will illuminate and the warning message "Malfunction See Owner's Manual" will appear in the vehicle information display.

Action to take:

If the warning light illuminates, stop the vehicle in a safe location. Turn the Plug-in Hybrid system off and restart the Plug-in Hybrid system. If the warning light continues to illuminate, have the I-FCW system checked. It is recom-

mended you visit a Nissan Electric Vehicle certified dealer for this service.

System maintenance



The sensor ① is located on the front of the vehicle.

To keep the system operating properly, be sure to observe the following:

- Always keep the areas of the radar sensor (1) on the vehicle front area clean.
- Do not strike or damage the areas of the radar sensor (1).

- Do not cover or attach stickers (including transparent material), or similar objects on the vehicle front area near the areas of the radar sensor (1). This could cause failure or malfunction.
- Do not attach metallic objects near the areas of the radar sensor (1) (brush guard, stickers (including transparent material), etc.). This could cause failure or malfunction.
- Do not alter, remove or paint the exterior of the vehicle front area. It is recommended you contact a Nissan Electric Vehicle certified dealer before customizing or restoring the exterior of the vehicle front area.
- When the radar sensor or the radar sensor area (1) is damaged due to an accident, the I-FCW system malfunctions and it could result in an accident.

Radio frequency statement

For USA

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

1. this device may not cause harmful interference and
2. this device must accept any interference received, including interference that may cause undesired operation.

CAUTION

Changes or modifications made to this equipment not expressly approved by Robert Bosch GmbH may void the FCC authorization to operate this equipment.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection

against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Radio frequency radiation exposure Information:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

For Canada

Legal warning text for RF equipment:

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: (1) This device may not cause interference. (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) L'appareil ne doit pas produire de brouillage; (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Intelligent Driver Alertness (I-DA)

N07705900084

WARNING

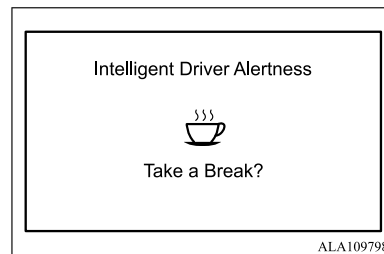
Failure to follow the warnings and instructions for proper use of the I-DA system could result in serious injury or death from an accident.

- **The I-DA system is only a warning to inform the driver of a potential lack of driver attention or drowsiness. It will not steer the vehicle or prevent loss of control.**
- **The I-DA system does not detect and provide an alert of the driver's lack of attention or fatigue in every situation.**
- **It is the driver's responsibility to:**
 - stay alert.
 - drive safely.
 - keep the vehicle in the traveling lane.
 - be in control of the vehicle at all times.
 - avoid driving when tired.
 - avoid distractions (texting, etc).

The I-DA system helps alert the driver if the system detects a lack of attention or driving fatigue.

The system monitors driving style and steering behavior over a period of time, and it detects changes from the normal pattern. If the system detects that driver attention seems to be decreasing over a period of time, the system uses audible and visual warnings to suggest that the driver take a break.

I-DA system operation



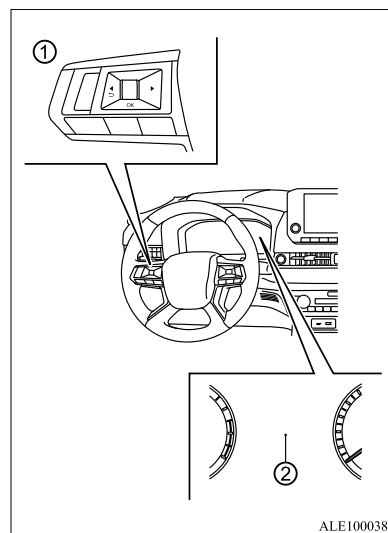
If the system detects driver fatigue or that driver attention is decreasing, the message "Take a

break?" appears in the vehicle information display and a chime sounds when the vehicle is driven at speeds above 37 MPH (60 km/h).

The system continuously monitors driver attention and can provide multiple warnings per trip.

The system resets and starts reassessing driving style and steering behavior when the push-button power switch is cycled from the ON to the OFF position and back to the ON position.

How to enable/disable the I-DA system



- ① Steering-wheel-mounted controls (left side)
- ② Vehicle information display

Perform the following steps to enable or disable the I-DA system.

1. Press the ◀▶ button until “Settings” displays in the vehicle information display ②. Use the scroll dial to select “Driver Assistance.” Then push the scroll dial.
2. Select “Driver Alertness” and push the scroll dial to turn the system on or off.

I-DA system limitations

⚠ WARNING

Listed below are the system limitations for the I-DA system. Failure to operate the vehicle in accordance with these system limitations could result in serious injury or death from an accident.

- The I-DA system may not operate properly and may not provide an alert in the following conditions:
 - Poor road conditions such as an uneven road surface or pot holes.

⚠ WARNING

- Strong side wind.
- If you have adopted a sporty driving style with higher cornering speeds or higher rates of acceleration.
- Frequent lane changes or changes to vehicle speed.
- The I-DA system will not provide an alert in the following conditions:
 - Vehicle speeds lower than 37 MPH (60 km/h).
 - Short lapses of attention.
 - Instantaneous distractions such as dropping an object.

System malfunction

If the I-DA system malfunctions, the “Malfunction See Owner’s Manual” warning message will appear in the vehicle information display and the function will be stopped automatically.

Action to take

Stop the vehicle in a safe location, place the vehicle in P (Park) position, turn the Plug-in Hybrid Sys-

tem off and restart the Plug-in Hybrid System. If the system warning message continues to appear, have the system checked. It is recommended that you visit a Nissan Electric Vehicle certified dealer for this service.

Rear Automatic Braking (RAB)

N07706000082

⚠ WARNING

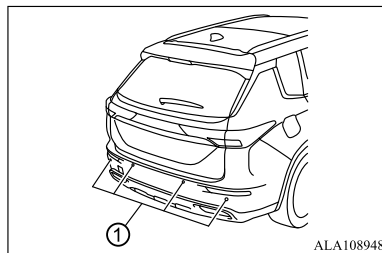
Failure to follow the warnings and instructions for proper use of the RAB system could result in serious injury or death from an accident.

- The RAB system is a supplemental aid to the driver. It is not a replacement for proper driving procedures. Always use the side and rear mirrors and turn and look in the direction you will move before and while backing up. Never rely solely on the RAB system. It is the driver's responsibility to stay alert, drive safely, and be in control of the vehicle at all times.

⚠ WARNING

- There is a limitation to the RAB system capability. The RAB system is not effective in all situations.

The RAB system can assist the driver when the vehicle is backing up and approaching objects that are detected directly behind the vehicle.

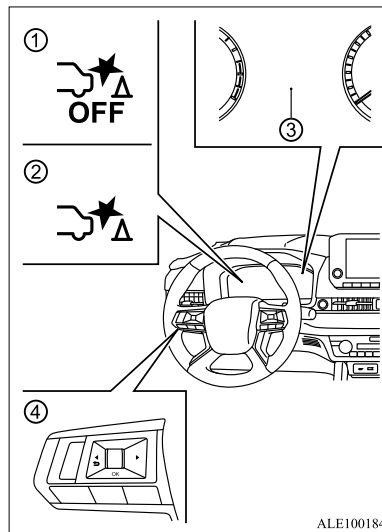


The RAB system detects obstacles behind the vehicle using the sonar sensors ① located on the rear bumper.

Rear Automatic Braking (RAB)

📖 NOTE

You can temporarily cancel the sonar sensor function in the vehicle, but the RAB system will continue to operate. For additional information, see "Sonar system" on page 503.



- ① RAB system OFF warning light

Rear Automatic Braking (RAB)

- ② RAB system warning indicator
- ③ Vehicle information display
- ④ Steering-wheel-mounted controls (left side)

RAB system operation

When the shift lever is in the R (Reverse) position and the vehicle speed is less than approximately 9 MPH (15 km/h), the RAB system operates.

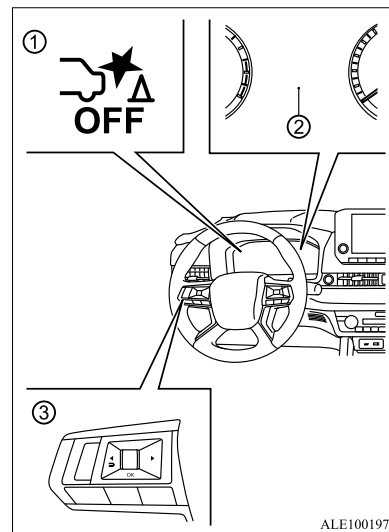
If a risk of a collision with an obstacle is detected when your vehicle is backing up, the RAB system warning indicator ② will flash in the vehicle information display ③ and the system will chime three times and a red rectangular frame appears in the rear view display on the touch screen display. The system will then automatically apply the brakes. After the automatic brake application, the driver must depress the brake pedal to maintain brake pressure.

NOTE

- The stop lights of the vehicle come on when braking is performed by the RAB system.
- When the brakes operate, a noise may be heard. This is not a malfunction.

Turning the RAB system ON/OFF

Perform the following steps to turn the RAB system ON or OFF.

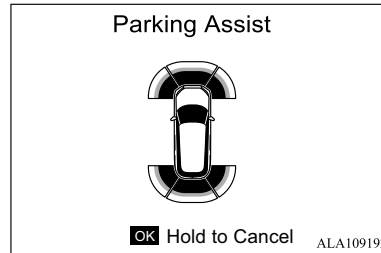


- ① RAB system OFF warning light

- ② Vehicle information display
- ③ Steering-wheel-mounted controls (left side)

1. Press the ◀▶ button until "Settings" appears in the vehicle information display ② and then push the scroll dial. Use the scroll dial to select "Driver Assistance." Then push the scroll dial.
For details, see "How to use the vehicle information display" on page 174.
2. Select "Emergency Brake" and push the scroll dial.
3. To set the RAB system to on or off, use the scroll dial to check the box for "Rear Sonar".

When the RAB system is turned off, the RAB system OFF warning light ① illuminates. The RAB system will be automatically turned on when the Plug-in Hybrid system is restarted.



When the shift position is in R (Reverse) and the "Parking Assist" screen is displayed in the vehicle information display the RAB system can be disabled temporarily by pushing and holding the OK switch on the steering wheel for more than 3 seconds.

In case of the following, the system restarts the operation automatically.

- When the shift position is in P (Parking) or N (Neutral).
- When vehicle speed is more than approximately 8 MPH (12 km/h).
- When restart the Plug-in Hybrid system.

RAB system limitations

WARNING

Listed below are the system limitations for the RAB system. Failure to follow the warnings and instructions for proper use of the RAB system could result in serious injury or death from an accident.

- When the vehicle approaches an obstacle while the accelerator or brake pedal is depressed, the function may not operate or the start of the operation may be delayed. The RAB system may not operate or may not perform sufficiently due to vehicle conditions, driving conditions, the traffic environment, the weather, road surface conditions, etc. Do not wait for the system to operate. Operate the brake pedal by yourself as soon as necessary.
- If it is necessary to override RAB operation, strongly press the accelerator pedal.

WARNING

- Always check your surroundings and turn to check what is behind you before and while backing up. The RAB system detects stationary objects behind the vehicle. The RAB system does not detect the following objects:
 - Moving objects
 - Low objects
 - Narrow objects
 - Wedge-shaped objects
 - Complex-shaped objects
 - Multiple object in close
 - Objects close to the bumper (less than approximately 1 ft (30 cm))
 - Objects that suddenly appear
 - Thin objects such as rope, wire, chain, etc.
- The RAB system may not operate for the following obstacles:
 - Obstacles located high off the ground
 - Obstacles in a position offset from your vehicle

WARNING

- Obstacles, such as spongy materials or snow, that have soft outer surfaces and can easily absorb a sound wave
- The RAB system may not operate in the following conditions:
 - There is rain, snow, ice, dirt, etc., attached to the sonar sensor.
 - A loud sound is heard in the area around the vehicle.
 - The surface of the obstacle is diagonal to the rear of the vehicle.
 - The sonar sensor or the area around them are extremely hot or cold.
- The RAB system may unintentionally operate in the following conditions:
 - There is overgrown grass in the area around the vehicle.
 - There is a structure (e.g., a wall, toll gate equipment, a narrow tunnel, a parking lot gate) near the side of the vehicle.
 - There are bumps, protrusions, metallic grating, or manhole covers on the road surface.

WARNING

- The vehicle drives through a draped flag or a curtain.
- The vehicle is driving on a steep slope.
- There is an accumulation of snow or ice behind the vehicle.
- An ultrasonic wave source, such as another vehicle's sonar sensor, is near the vehicle.
- The RAB system may not operate for pedestrians or animals.
- Once the automatic brake control operates, it does not operate again if the vehicle approaches the same obstacle.
- The automatic brake control can only operate for a short period of time. Therefore, the driver must depress the brake pedal.
- In the following situations, the RAB system may not operate properly or may not function sufficiently:
 - The vehicle is driven in bad weather (rain, fog, snow, etc.).
 - The vehicle is driven on a steep hill.

⚠ WARNING

- The vehicle's posture is changed (e.g., when driving over a bump).
- The vehicle is driven on a slippery road.
- The vehicle is turned sharply by turning the steering wheel fully.
- Snow chains are used.
- Wheels or tires other than NISSAN recommended are used.
- The brakes are cold at low ambient temperatures or immediately after driving has started.
- The braking force becomes poor due to wet brakes after driving through a puddle or washing the vehicle.
- When towing a trailer or other vehicle.
- When non-genuine parts (such as license plate frames) are installed, the system may not operate properly due to the uneven shape of the parts or noise.

⚠ WARNING

- Turn the RAB system off in the following conditions to prevent the occurrence of an unexpected accident resulting from sudden system operation:
 - When towing a trailer.
 - The vehicle is towed.
 - The vehicle is carried on a flat-bed truck.
 - The vehicle is on the chassis dynamometer.
 - The vehicle drives on an uneven road surface.
 - Suspension parts other than those designated as genuine parts are used. (If the vehicle height or the vehicle body inclination is changed, the system may not detect an obstacle correctly.)
- Excessive noise (e.g., audio system volume, an open vehicle window) will interfere with the chime sound, and it may not be heard.

System malfunction

If the RAB system malfunctions, it will be turned off automatically, the RAB system OFF warning light will illuminate, and the "Malfunction See Owner's Manual" warning message will appear in the vehicle information display.

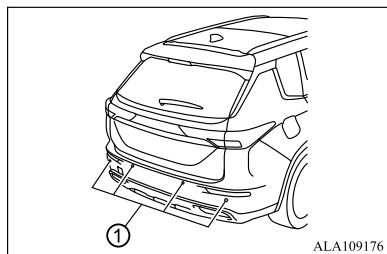
Action to take

If the warning light illuminates, park the vehicle in a safe location, turn the Plug-in Hybrid System off, and restart the Plug-in Hybrid System. If the warning light continues to illuminate, have the RAB system checked. It is recommended that you visit a Nissan Electric Vehicle certified dealer for this service.

📖 NOTE

If the RAB system cannot be operated temporarily, the RAB system OFF warning light illuminates.

System maintenance



Observe the following items to ensure proper operation of the system:

- Always keep the sonar sensor ① clean.
- If the sonar sensor are dirty, wipe them off with a soft cloth while being careful to not damage them.

- The sensors may be blocked by temporary ambient conditions such as splashing water, mist or fog. The blocked condition may also be caused by objects such as ice, frost or dirt obstructing the sensors. Check for and remove object obstructing the area around the sensors.
- Do not subject the area around the sonar sensor ① to strong impact. Also, do not remove or disassemble the sonar sensor. If the sonar sensor and peripheral areas are deformed in an accident, etc., have the sensors checked. It is recommended that you visit a Nissan Electric Vehicle certified dealer for this service.
- Do not install any stickers (including transparent material) or accessories on the sonar sensor ① and their surrounding areas. This may cause a malfunction or improper operation.

- When washing the vehicle using a high-pressure washer, do not apply direct washer pressure on the sensors, this may cause a malfunction of the sensors.

Fuel Efficient Driving Tips

N07706100025

Follow these easy-to-use Fuel Efficient Driving Tips to help you achieve the most fuel economy from your vehicle.

1. Use smooth accelerator and brake pedal application.
 - Avoid rapid starts and stops.
 - Use smooth, gentle accelerator and brake application whenever possible.
 - Maintain constant speed while commuting and coast whenever possible.
2. Maintain constant speed.
 - Look ahead to try and anticipate and minimize stops.

- Synchronizing your speed with traffic lights allows you to reduce your number of stops.
 - Maintaining a steady speed can minimize red light stops and improve fuel efficiency.
3. Drive at economical speeds and distances.
- Maintaining a safe following distance behind other vehicles reduces unnecessary braking.
 - Safely monitoring traffic to anticipate changes in speed permits reduced braking and smooth acceleration changes.
 - Select a gear range suitable to road conditions.
4. Use cruise control.
- Using cruise control during highway driving helps maintain a steady speed.
 - Cruise control is particularly effective in providing fuel savings when driving on flat terrains.
5. Plan for the shortest route.
- Utilize a map or navigation system to determine the best route to save time.

6. Buy an automated pass for toll roads.
- Automated passes permit drivers to use special lanes to maintain cruising speed through the toll and avoid stopping and starting.
7. Keeping your vehicle cool.
- Park your vehicle in a covered parking area or in the shade whenever possible.
 - When entering a hot vehicle, opening the windows will help to reduce the inside temperature faster, resulting in reduced demand on your A/C system.

Increasing fuel economy

N07706200042

- Keep your engine tuned up.
- Follow the recommended scheduled maintenance.
- Keep the tires inflated to the correct pressure. Low tire pressure increases tire wear and lowers fuel economy.

Increasing fuel economy

- Keep the wheels in correct alignment. Improper alignment increases tire wear and lowers fuel economy.
- Use the recommended viscosity engine oil. (See "Engine oil and oil filter recommendation" on page 600.)

Intelligent 4x4

N07706300072

Intelligent 4x4 is an integrated vehicle dynamics control system that helps enhance driving performance, cornering performance, and vehicle stability over a wide range of driving conditions through integrated management of the twin motor AWD, the Intelligent Trace Control, the ABS and the VDC.

WARNING

Do not over-rely on the Intelligent 4x4. Even the Intelligent 4x4 cannot prevent the natural laws of physics from acting on the vehicle. This system, like any other system, has limits and cannot help you to maintain traction and control of the vehicle in all circumstances. Intelligent 4x4 cannot prevent collisions. It is the driver's responsibility to drive carefully. This means taking into account the traffic, road and environmental conditions.

Twin Motor AWD

This system helps to improve vehicle performance and fuel economy during acceleration and deceleration using motors provided at front and rear wheels, respectively, controlling and optimizing the distribution of a drive force between the front and rear wheels.

Intelligent Trace Control

The Intelligent Trace Control is a system, with a yaw control function, that controls the left-right driving/braking force by managing the brake.

CAUTION

Control of the braking force does not enhance the stopping performance of the vehicle, therefore, pay careful attention to the safety of your surroundings when driving.

Yaw control function

The yaw control function is a function that enhances vehicle cornering performance and vehicle stability with management of vehicle turning power (yaw moment) by controlling the braking force when the vehicle does not turn in response to steering input, such as when the steering

wheel is turned quickly or when driving on slippery road.

Intelligent 4x4 operation display

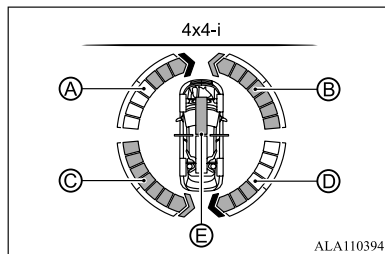
The Intelligent 4x4 operation status can be displayed on the information screen in the vehicle information display.

To display the status, change the information screen.

(See "How to use the vehicle information display" on page 174.)

Display example

The Intelligent 4x4 operation status is displayed.



■ Yaw control display

The amount of the yaw moment is displayed as a bar graph.

- Ⓐ, Ⓓ Yaw moment in a clockwise direction
- Ⓑ, Ⓒ Yaw moment in a counterclockwise direction

■ Torque distribution control display

The torque distribution between the front and rear wheels is displayed as a bar graph on Ⓔ in the vehicle information display. When the area at the top of the graph (blue part) is large, the torque of the front motor is large, and when it is small, the torque of the rear motor is large.

⚠ WARNING

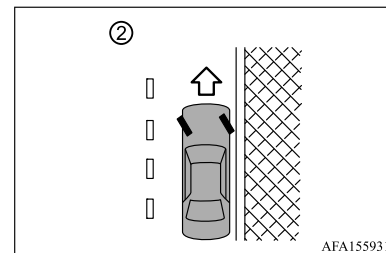
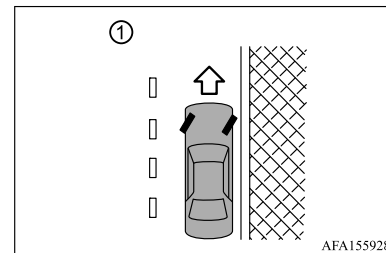
Always concentrate on your driving first. Keep your eyes and mind on the road. Distractions while driving can lead to an accident.

⚠ CAUTION

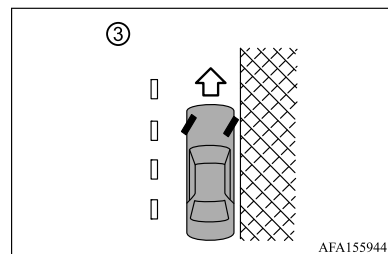
The front and rear drive distribution of AWD may be fixed for system protection such as when the oil temperature of the drive system rises.

Parking/parking on hills

N07706400073



Parking/parking on hills



⚠ 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 Plug-in Hybrid System operating while the vehicle is unattended.
- Do not leave children unattended inside the vehicle. They could unknowingly activate switches or controls. Unattended children could become involved in serious accidents.

⚠ WARNING

- 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 transaxle placed into P (Park). Failure to do so could cause the vehicle to move unexpectedly or roll away and result in an accident.
- Make sure the shift lever cannot be moved without depressing the foot brake pedal.

1. Firmly apply the parking brake.
2. Push the electrical parking switch to shift to the P (Park) position.

3. To help prevent the vehicle from rolling into the street when parked on a sloping drive way, it is a good practice to turn the wheels as illustrated.

• HEADED DOWNHILL WITH CURB: ①

Turn the wheels into the curb and move the vehicle forward until the curb side wheel gently touches the curb.

• HEADED UPHILL WITH CURB: ②

Turn the wheels away from the curb and move the vehicle back until the curb side wheel gently touches the curb.

• HEADED UPHILL OR DOWNHILL, NO CURB: ③

Turn the wheels toward the side of the road so the vehicle will move away from the center of the road if it moves.

4. Place the push-button power switch in the OFF position.

Electric power steering

NO7706500061

WARNING

- If the Plug-in Hybrid System is not running or is turned off while driving, the power assist for the steering will not work. Steering will be harder to operate.
- When the electric power steering warning light illuminates with the Plug-in Hybrid System operating, the power assist for the steering will cease operation. You will still have control of the vehicle but the steering will be harder to operate.

The electric power steering is designed to provide power assist while driving to operate the steering wheel with light force.

When the steering wheel is operated repeatedly or continuously while parking or driving at a very low speed, the power assist for the steering wheel will be reduced. This is to prevent over-

heating of the electric power steering and protect it from getting damaged. While the power assist is reduced, steering wheel operation will become heavy. When the temperature of the electric power steering goes down, the power assist level will return to normal. Avoid repeating such steering wheel operations that could cause the electric power steering to overheat.

You may hear a noise when the steering wheel is operated quickly. However, this is not a malfunction.

If the electric power steering warning light  illuminates while the Plug-in Hybrid System is operating, it may indicate the electric power steering is not functioning properly and may need servicing. Have the electric power steering checked. It is recommended that you visit a Nissan Electric Vehicle certified dealer for this service. (For additional information about "Electric power steering warning

light", refer to "Warning/indicator lights (yellow)" on page 165.)

When the electric power steering warning light illuminates with the Plug-in Hybrid System operating, the power assist for the steering will cease operation. You will still have control of the vehicle. However, greater steering effort is needed, especially in sharp turns and at low speeds.

The mode of the power steering will be changed automatically in accordance with the vehicle's drive mode. (See "Drive Mode Selector" on page 378.)

Brake system

NO7706600062

Braking precautions

This vehicle is equipped with two braking systems.

- Hydraulic brake system
- Regenerative brake system

Hydraulic brake system

The brake system has two separate hydraulic circuits. If one circuit malfunctions, you will still have braking at two wheels.

Regenerative brake system

Refer to the “Plug-in Hybrid System” on page 18.

Using the brakes

Avoid resting your foot on the foot brake pedal while driving. This will overheat the brakes, wear out the brake pads faster, and increase fuel consumption. To help reduce brake wear and to prevent the brakes from overheating, reduce speed and adjust the regenerative braking force level before going down a slope or long grade. Overheated brakes may reduce braking perfor-

mance and could result in loss of vehicle control.

While driving on a slippery surface, be careful when braking, accelerating or downshifting. Abrupt braking or acceleration could cause the wheels to skid and result in an accident.

CAUTION

- When the brake pedal is depressed while the Plug-in Hybrid system is not running, you may feel that more brake pedal effort than normal is required or brake pedal stroke becomes smaller. This is not a malfunction if the brake pedal operation returns to normal when the Plug-in Hybrid system is restarted.
- You may hear operational noise or motor noise when the brake pedal is depressed. This is not a malfunction.

Wet brakes

When the vehicle is washed or driven through water, the brakes may get wet. As a result, your braking distance will be longer and the vehicle may pull to one side during braking.

To dry brakes, drive the vehicle at a safe speed while lightly tapping the brake pedal to heat-up the brakes. Do this until the brakes return to normal. Avoid driving the vehicle at high speeds until the brakes function correctly.

Brake assist

N07706700063

Brake assist

When the force applied to the brake pedal exceeds a certain level, the Brake Assist is activated generating greater braking force than a conventional brake booster even with light pedal force.

⚠ WARNING

The Brake Assist is only an aid to assist braking operation and is not a collision warning or avoidance device. It is the driver's responsibility to stay alert, drive safely and be in control of the vehicle at all times.

Anti-lock Braking System (ABS)

⚠ WARNING

- The Anti-lock Braking System (ABS) is a sophisticated device, but it cannot prevent accidents resulting from careless or dangerous driving techniques. It can help maintain vehicle control during braking on slippery surfaces. Remember that stopping distances on slippery surfaces will be longer than on normal surfaces even with ABS.

⚠ WARNING

Stopping distances may also be longer on rough, gravel or snow covered roads, or if you are using tire chains. Always maintain a safe distance from the vehicle in front of you. Ultimately, the driver is responsible for safety.

- Tire type and condition may also affect braking effectiveness.
- When replacing tires, install the specified size of tires on all four wheels.
- For detailed information, see "Tires" on page 559 of this manual.

The Anti-lock Braking System (ABS) controls the brakes so the wheels do not lock during hard braking or when braking on slippery surfaces. The system detects the rotation speed at each wheel and varies the brake fluid pressure to prevent each wheel from locking and sliding. By preventing each wheel from locking, the system helps the driver maintain steering control and

helps to minimize 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 start the Plug-in Hybrid System and move the vehicle at a low speed in forward

Vehicle Dynamic Control (VDC) system

or reverse. When the self-test occurs, you may hear a “clunk” noise and/or feel a pulsation in the brake pedal. This is normal and does not indicate a malfunction. If the computer senses a malfunction, it switches the ABS off and illuminates the ABS warning light on the instrument panel. The brake system then operates normally, but without anti-lock assistance.

If the ABS warning light illuminates during the self-test or while driving, have the vehicle checked. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service.

Normal operation

The ABS operates at speeds above 3 to 6 MPH (5 to 10 km/h). The speed varies according to road conditions.

When the ABS senses that one or more wheels are close to locking up, the actuator rapidly applies and releases hydraulic pressure.

This action is similar to pumping the brakes very quickly. You may feel a pulsation in the brake pedal and hear a noise from under the hood or feel a vibration from the actuator when it is operating. This is normal and indicates that the ABS is operating properly. However, the pulsation may indicate that road conditions are hazardous and extra care is required while driving.

Vehicle Dynamic Control (VDC) system

N07706800051

The Vehicle Dynamic Control (VDC) system uses various sensors to monitor driver inputs and vehicle motion. Under certain driving conditions, the VDC helps to perform the following functions.

- Controls brake pressure to reduce wheel slip on one slipping drive wheel so power is transferred to a non slipping drive wheel on the same axle.

- Controls brake pressure and Plug-in Hybrid System output to reduce drive wheel slip based on vehicle speed (traction control function).
- Controls brake pressure at individual wheels and Plug-in Hybrid System output to help the driver maintain control of the vehicle in the following conditions:
 - understeer (vehicle tends to not follow the steered path despite increased steering input)
 - oversteer (vehicle tends to spin due to certain road or driving conditions).

The VDC can help the driver to maintain control of the vehicle, but it cannot prevent loss of vehicle control in all driving situations. When the VDC operates, the VDC warning light  in the instrument panel flashes so note the following:

- The road may be slippery or the system may determine some action is required to help 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 hood. This is normal and indicates that the VDC is working properly.
- Adjust your speed and driving to the road conditions.

If a malfunction occurs in the system, the VDC warning light  illuminates in the instrument panel. The VDC automatically turns off. The vehicle information display is used to turn off the VDC. The VDC off indicator  illuminates to indicate the VDC is off. When the VDC is turned off, the VDC still operates to prevent one drive wheel from slipping by transferring power to a non slipping drive wheel. The VDC warning light  flashes if this occurs. All other VDC functions are off, and the

VDC warning light  will not flash. The VDC is automatically reset to on when the push-button power switch is placed in the off position then back to the on position.

For additional information about “Slip indicator light” and “Vehicle Dynamic Control (VDC) off indicator light”, refer to “Warning/indicator lights (yellow)” on page 165. The computer has a built-in diagnostic feature that tests the system each time you start the Plug-in Hybrid System 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 VDC is designed to help improve driving stability but does not prevent accidents. Reduce vehicle speed and be especially careful when driving and cornering on slippery surfaces and always drive carefully.**
- **Do not modify the vehicle's suspension. If suspension parts such as shock absorbers, struts, springs, stabilizer bars, bushings and wheels are not NISSAN recommended for your vehicle or are extremely deteriorated, the VDC may not operate properly. This could adversely affect vehicle handling performance, and the VDC warning light  may illuminate.**
- **If brake related parts such as brake pads, rotors and calipers are not NISSAN recommended or are extremely deteriorated, the VDC may not operate properly and the VDC warning light  may illuminate.**

WARNING

- If Plug-in Hybrid System control related parts are not NISSAN recommended or are extremely deteriorated, the VDC warning light  may illuminate.
- When driving on extremely inclined surfaces such as higher banked corners, the VDC may not operate properly and the VDC warning light  may illuminate. Do not drive on these types of roads.
- When driving on an unstable surface such as a turntable, ferry, elevator or ramp, the VDC warning light  may illuminate. This is not a malfunction. Restart the Plug-in Hybrid System after driving onto a stable surface.
- If wheels or tires other than the NISSAN recommended ones are used, the VDC may not operate properly and the VDC warning light  may illuminate.
- The VDC is not a substitute for winter tires or tire chains on a snow covered road.

How to turn off the VDC

NO7706900036

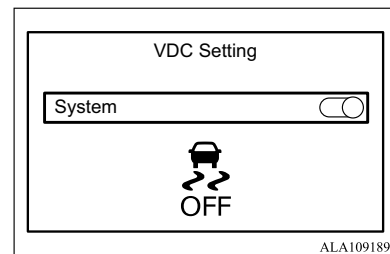
CAUTION

Avoid driving on surfaces where tires tend to slip, such as sandy or muddy areas. If the tires continue to spin, the drivetrain parts will be overloaded, which may cause a serious damage to the components.

The vehicle should be driven with the Vehicle Dynamic Control (VDC) system ON for most driving conditions.

When the vehicle is stuck in mud or snow, the VDC reduces the Plug-in Hybrid System output to reduce wheel spin. The power output will be reduced even if the accelerator is depressed to the floor. If maximum power is needed to free a stuck vehicle, turn the VDC off.

Example



To turn off the VDC, perform the following steps in the vehicle information display.

1. Push the  button on the left-side of the steering wheel until "Settings" is displayed.
2. Use the scroll dial to select "VDC Setting" and then push it.
3. Select "System" and push the scroll dial. The  indicator light will illuminate.

Turn "VDC Setting" back on in the vehicle information display or restart the Plug-in Hybrid System to turn on the VDC.

Trailer Sway Control

NO7714000023

The Trailer Sway Control system helps safety running while towing a trailer by controlling the braking force of each wheel and drive power in order to stabilize the motion when detecting the continuous sway of the vehicle caused by a trailer. When the Trailer Sway Control system operates the brakes, the brake light turns on. About the towing of the trailer, refer to "Towing a trailer" on page 614.

CAUTION

- Do not over-rely on Trailer Sway Control system
Due to the slippery road surface, heavy side wind, inappropriate weight and positioning of luggage, and/or driving at high speed, Trailer Sway Control system may fail to secure the stability.

CAUTION

Always drive appropriately in accordance with the condition of traffic, road surface condition, weather, and the weight and positioning of luggage.

- The Trailer Sway Control system does not operate in case as follows
 - When sudden braking and braking while driving downhill cause an abrupt motion of the vehicle which makes the vehicle and the trailer form a dogleg shape.
 - When a sideslip occurs by sudden steering

NOTE

- When Trailer Sway Control system operates, the Slip indicator light blinks on and off.
For additional information, see "Warning/indicator lights (yellow)" on page 165.
- When VDC does not work, Trailer Sway Control system does not operate.

NOTE

- When Trailer Sway Control system operates, the vehicle body may vibrate and the operating sounds from the engine compartment may be heard. These motions indicate normal operation of the system, not abnormal operation.
- Trailer Sway Control system operates when the vehicle speed is approximately 37 MPH (60 km/h) or higher.

Hill Start Assist system

NO7707000047

WARNING

- Never rely solely on the Hill Start Assist system to prevent the vehicle from moving backward on a hill. Always drive carefully and attentively. Depress the brake pedal when the vehicle is stopped on a steep hill. Be especially careful when stopped on a hill on frozen or muddy roads. Failure to prevent the vehicle from rolling backwards may result in a loss of control of the vehicle and possible serious injury or death.
- The Hill Start Assist system is not designed to hold the vehicle at a standstill on a hill. Depress the brake pedal when the vehicle is stopped on a steep hill. Failure to do so may cause the vehicle to roll backwards and may result in a collision or serious personal injury.

WARNING

- The Hill Start Assist system may not prevent the vehicle from rolling backwards on a hill under all load or road conditions. Always be prepared to depress the brake pedal to prevent the vehicle from rolling backwards. Failure to do so may result in a collision or serious personal injury.

The Hill Start Assist system automatically keeps the brakes applied to help prevent the vehicle from rolling backwards in the time it takes the driver to release the brake pedal and apply the accelerator when the vehicle is stopped on a hill.

The Hill Start Assist system will operate automatically under the following conditions:

- The transaxle is shifted to a forward or reverse gear.
- The vehicle is stopped completely on a hill by applying the brake.

The maximum holding time is 2 seconds. After 2 seconds the vehicle will begin to roll back and the Hill Start Assist system will stop operating completely.

The Hill Start Assist system will not operate when the transaxle is shifted to the N (Neutral) or P (Park) position or on a flat and level road.

When the slip indicator light illuminates in the meter, the Hill Start Assist system will not operate. (For additional information about "Slip indicator light", refer to "Warning/indicator lights (yellow)" on page 165.)

Hill descent control system

NO7707100077

The hill descent control system is the system that assists the steady driving with the constant speed when descending steep grades where it is impossible to decelerate the vehicle sufficiently by the regenerative brake only or rough roads.

⚠ WARNING

● Never rely solely on the hill descent control system to control vehicle speed when driving on steep downhill grades. Always drive carefully when using the hill descent control system and decelerate the vehicle speed by depressing the brake pedal if necessary. Be especially careful when driving on frozen, muddy or extremely steep downhill roads. Failure to control vehicle speed may result in a loss of control of the vehicle and possible serious injury or death.

⚠ WARNING

● The hill descent control system may not control the vehicle speed on a hill under all load or road conditions. For example, when driving slippery roads such as muddy, icy or unpaved roads, the vehicle will not allow you to stay at a certain low speed, which may lead to a serious accident. Always be prepared to depress the brake pedal to control vehicle speed. Failure to do so may result in a collision or serious personal injury.

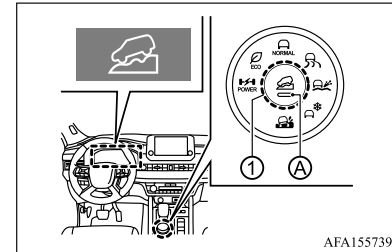
⚠ CAUTION

When there is a malfunction in the hill descent control system, VDC warning light comes on. When VDC warning light comes on, have your vehicle inspected. It is recommended you visit a Nissan Electric Vehicle certified dealer. (For additional information about "Slip indicator light", refer to "Warning/indicator lights (yellow)" on page 165.)

⚠ CAUTION

When the warning light comes on, the warning display may also appear.

Operating hill descent control system



1. Bring the vehicle to a complete stop.
2. Press the hill descent control system switch ①.
3. Make sure that the hill descent control system indicator ② blinks or illuminates.

Hill descent control system

When the hill descent control system indicator  blinks or illuminates, the hill descent control system set to ON (Stand by).

NOTE

- The indicator should illuminate when the operation mode is put in ON and should go off after a few seconds.
- It is impossible to set the hill descent control system to ON (Stand by) in the following conditions:
 - Brake system: brake temperature high
 - VDC warning light illuminating or blinking (For additional information about "Slip indicator light", refer to "Warning/indicator lights (yellow)" on page 165.)
- When the e-Step system is ON. (See "e-Step system" on page 374.)

In the following cases, the hill descent control system brake control operates:

- The vehicle shift is in the D (Drive) or R (Reverse) position.
- Vehicle speed: 16 MPH (25 km/h) or less
- The accelerator pedal or the brake pedal is not operated.

When the control operates, the hill descent control system indicator illuminates and the brake light and the High-mounted stop light are illuminated. It is possible to change the controlled vehicle speed by operating the accelerator pedal or brake pedal.

When you lift your foot off the pedal, the hill descent control system performs brake control so as to keep the vehicle speed at that time.

NOTE

- The hill descent control system will not operate even if the hill descent control system is in ON (Stand by), and the control will temporarily stop during the activation of it in the following condition:

NOTE

- Vehicle speed exceeds 16 MPH (25 km/h)
- When the e-Step system is ON. (See "e-Step system" on page 374.)
- When the hill descent control system is activated, you may feel the vehicle body, the steering wheel and the brake pedal vibrate and hear the operation noise. You may also feel the depressed brake pedal is solid or loose. This does not indicate a malfunction and the hill descent control system is operating normally.
- The hill descent control system indicator illuminates on a flat road, but this does not indicate a malfunction.

Deactivating hill descent control system

1. Press the hill descent control switch. The hill descent control will be gradually released.
2. Make sure that the hill descent control indicator  is OFF.

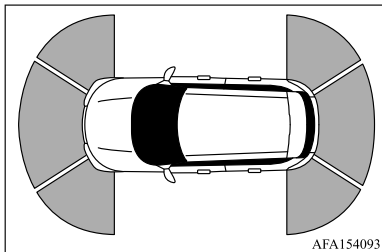
NOTE

The hill descent control turns off automatically and the hill descent control indicator goes off without pressing the hill descent control switch in the following conditions:

- VDC warning light: ON
- Brake system: brake temperature high

Sonar system

N07707200081

Example

AFA154093

The sonar system sounds a tone to inform the driver of obstacles detected around the vehicle using the sonar sensors located in the front and rear bumpers.

When the "Auto Show Sonar" setting is on, the sonar sensor view will automatically appear in the vehicle information display.

WARNING

- The sonar system is a convenience but it is not a substitute for proper parking.
- The driver is always responsible for safety during parking and other maneuvers. Always look around and check that it is safe to do so before parking.
- Read and understand the limitations of the sonar system as contained in this section. The colors of the sonar indicator indicates different distances to the object.
- Inclement weather or ultrasonic sources such as an automatic car wash, a truck's compressed-air brakes or a pneumatic drill may affect the function of the system; this may include reduced performance or a false activation.

WARNING

- The sonar system is designed as an aid to the driver in detecting large stationary objects to help avoid damaging the vehicle.
- The sonar system is not designed to prevent contact with small or moving objects. Always move slowly. The system will not detect small objects below the bumper/vehicle side, and may not detect objects close to the bumper/vehicle side or on the ground.
- The sonar system may not detect the following objects: fluffy objects such as snow, cloth, cotton, glass, wool, etc.; thin objects such as rope, wire and chain, etc.; or wedge-shaped objects.

If your vehicle sustains damage to the bumper fascia, leaving it misaligned or bent, the sensing zone may be altered causing inaccurate measurement of obstacles or false alarms.

Sonar system

CAUTION

- Excessive noise (such as audio system volume or an open vehicle window) will interfere with the tone and it may not be heard.
- Keep the sonar sensors (located on the bumper fascia) free from snow, ice and large accumulations of dirt. Do not clean the sensors with sharp objects. If the sensors are covered, the accuracy of the sonar sensor function will be diminished.

System operation

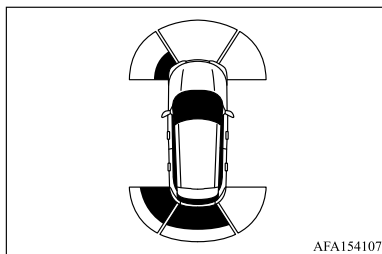
The system informs with a visual and audible alert of:

- front obstacles when the shift lever is in the D (Drive) position
- front and rear obstacles when the shift lever is in the R (Reverse) position

The system is deactivated at speeds above 6 MPH (10 km/h). It is reactivated at lower speeds.

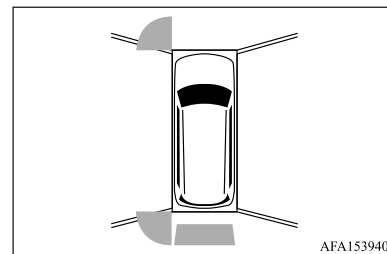
When the object is detected, the indicator (green) appears and blinks and the tone sounds intermittently. When the vehicle moves closer to the object, the color of the indicator turns yellow and the rate of the blinking increases. When the vehicle is very close to the object, the indicator stops blinking and turns red, and the tone sounds continuously.

Example



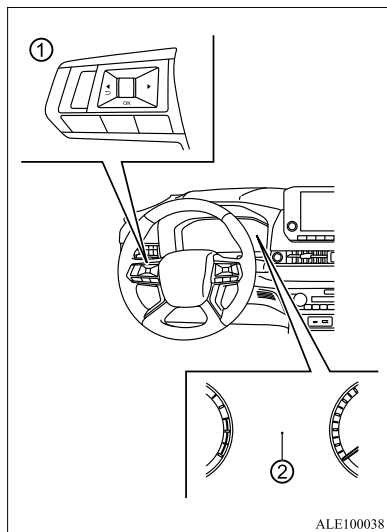
When the vehicle moves closer to an obstacle, the sonar indicator (detected area) appears on the vehicle information display.

Example



The sonar indicator also appears on the Intelligent Around View® Monitor view of the touch screen display.

How to enable/disable the sonar system



- ① Steering-wheel-mounted controls (left side)
- ② Vehicle information display

The system is automatically activated when the push-button power switch is in the ON position and the shift lever is in the D (Drive) or R (Reverse) position. Perform the following steps to set up the sonar sensor function.

1. Press the ◀▶ button until "Settings" appears in the vehicle information display ② and then push the scroll dial. Use the scroll dial to select "Driver Assistance." Then push the scroll dial.
2. Select "Parking Assist" and push the scroll dial.
3. Use the scroll dial to navigate in the menu and select or change an item:
 - Moving Object
Turns ON/OFF the Moving Object Detection (MOD) (See "Moving Object Detection (MOD)" on page 320.)
 - Auto Show Sensor
Shows the sonar sensor display in the vehicle information display when the sonar sensor activates

- Front
Turns ON/OFF the front sonar sensor
- Rear
Turns ON/OFF the rear sonar sensor
- Distance
Changes the sonar sensor distance to "Long," "Medium" or "Short"
- Volume
Changes the volume of the tone sound to "High," "Medium" or "Low"



When the shift position is in R (Reverse) and the "Parking Assist" screen is displayed in the vehicle information display the Sonar system can be disabled tempo-

Sonar system

rarily by pushing and holding the OK switch on the steering wheel for more than 3 seconds.

In case of the following, the system restarts the operation automatically.

- When the shift position is in P (Parking) or N (Neutral).
- When vehicle speed is more than approximately 8 MPH (12 km/h).
- When restart the Plug-in Hybrid system.

Sonar system limitations

WARNING

Listed below are the system limitations for the sonar system. Failure to operate the vehicle in accordance with these system limitations could result in serious injury or death from an accident.

WARNING

- Read and understand the limitations of the sonar system as contained in this section. Inclement weather may affect the function of the sonar system; this may include reduced performance or a false activation.
- The sonar system is deactivated at speeds above 6 MPH (10 km/h). It is reactivated at lower speeds.
- Inclement weather or ultrasonic sources such as an automatic car wash, a truck's compressed-air brakes or a pneumatic drill may affect the function of the sonar system; this may include reduced performance or a false activation.
- The sonar system is not designed to prevent contact with small or moving objects. Always move slowly. The system will not detect small objects below the bumper or on the ground.

WARNING

- The sonar system may not detect the following objects: fluffy objects such as snow, cloth, cotton, glass-wool, etc.; thin objects such as rope, wire and chain, etc.; or wedge-shaped objects; complex-shaped objects or multiple objects in close.
- The sonar system may not detect objects at speed above 3 MPH (5 km/h) and may not detect certain angular or moving objects.
- The sonar system may not detect the following objects:
 - Pedestrians who approach the vehicle from the side
 - Objects placed next to the vehicle
- The sonar system may not operate in the following conditions:
 - When rain, snow, ice, dirt, etc. adheres to the sonar sensor.
 - When a loud sound is heard in the area around the vehicle.
 - When the surface of the obstacle is diagonal to the front or rear of the vehicle.

⚠ WARNING

- When a sonar sensor or the area around the sensor is extremely hot or cold.
- The sonar system may unintentionally operate in the following conditions:
 - When there is overgrown grass in the area around the vehicle.
 - When there is a structure (for example, a wall, a toll gate equipment, a narrow tunnel or a parking lot gate) near the side of the vehicle.
 - When there are bumps, protrusions or manhole covers on the road surface.
 - When the vehicle drives through a draped flag or a curtain.
 - When there is an accumulation of snow or ice behind the vehicle.
 - When driving on a steep hill.

System temporarily unavailable

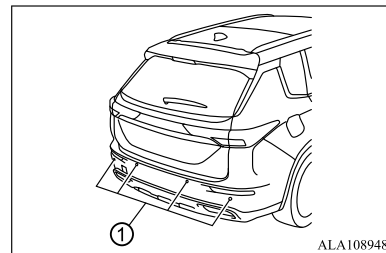
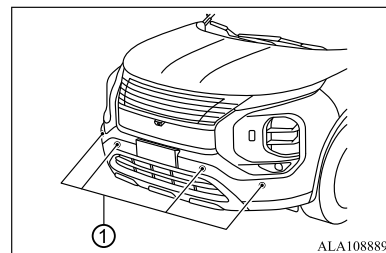
When sonar sensor blockage is detected, the system will be deactivated automatically.

The system is not available until the conditions no longer exist.

The sonar sensors may be blocked by temporary ambient conditions such as splashing water, mist or fog. The blocked condition may also be caused by objects such as ice, frost or dirt obstructing the sonar sensors.

Action to take:

When the above conditions no longer exist, the system will resume automatically.

System maintenance

The sonar sensors ① are located on the front and rear bumpers. Always keep the area near the sonar sensors clean.

If the sonar sensors are dirty, wipe them off with a soft cloth while

Cold weather driving

being careful to not damage them.

The sonar sensors may be blocked by temporary ambient conditions such as splashing water, mist or fog.

The blocked condition may also be caused by objects such as ice, frost or dirt obstructing the sonar sensors.

Check for and remove objects obstructing the area around the sonar sensors.

Do not attach stickers (including transparent material), install accessories or apply additional paint on the sonar sensors and their surrounding areas. This may cause a malfunction or improper operation.

Do not subject the area around the sonar sensors to strong impact. Also, do not remove or disassemble the sonar sensors. If the sonar sensors and peripheral areas are deformed in an accident, etc., have the sonar sensors checked. It is recommended that you visit a Nissan Electric Vehicle certified dealer for this service.

When washing the vehicle using a high-pressure washer, do not apply direct washer pressure on the sonar sensors. This may cause a malfunction of the sonar sensors.

Cold weather driving

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Freeing a frozen door lock

To prevent a door lock from freezing, apply deicer through the key hole. If the lock becomes frozen, heat the key before inserting it into the key hole, or use the Intelligent Key.

Anti-freeze

In the winter when it is anticipated that the outside temperature will drop below 32°F (0°C), ensure the anti-freeze content of the engine coolant is sufficient. For additional information, see

“Engine and Plug-in Hybrid system cooling system” on page 541.

12-volt battery

If the 12-volt battery is not fully charged during extremely cold weather conditions, the 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” on page 546 of this manual.

Engine and Plug-in Hybrid system coolant (REAR MOTOR COOLANT)

If the vehicle is to be left outside without antifreeze, drain the cooling system, including the engine block. Refill before operating the vehicle. For details, see “Changing engine and Plug-in Hybrid system

coolant (REAR MOTOR COOLANT)" on page 542 of this manual.

Tire equipment

SUMMER tires have a tread designed to provide superior performance on dry pavement. However, the performance of these tires will be substantially reduced in snowy and icy conditions. If you operate your vehicle on snowy or icy roads, NISSAN recommends the use of MUD & SNOW or ALL SEASON tires on all four wheels. It is recommended you consult a Nissan Electric Vehicle certified dealer for the tire type, size, speed rating and availability information.

For additional traction on icy roads, studded tires may be used. However, some U.S. states and Canadian provinces prohibit their use. Check local, state and provincial laws before installing studded tires.

Skid and traction capabilities of studded snow tires, on wet or

dry surfaces, may be poorer than that of non-studded snow tires.

Tire chains may be used. For details, see "Tire chains" on page 572 of this manual.

If you install snow tires, they must also be the same size, brand, construction and tread pattern on all four wheels.

Special winter equipment

It is recommended that the following items be carried in the vehicle during winter:

- A scraper and stiff-bristled brush to remove ice and snow from the windows and wiper blades.
- A shovel to dig the vehicle out of snow-drifts.
- Extra window washer fluid to refill the reservoir tank.

Driving on snow or ice

WARNING

- **Wet ice (32°F, 0°C and freezing rain), very cold snow or ice can be slick and very hard to drive on. The vehicle will have much less traction or "grip" under these conditions. Try to avoid driving on wet ice until the road is salted or sanded.**
- **Whatever the condition, drive with caution. Accelerate and slow down with care. If accelerating or downshifting too fast, the drive wheels will lose even more traction.**
- **Allow more stopping distance under these conditions. Braking should be started sooner than on dry pavement.**
- **Allow greater following distances on slippery roads.**

WARNING

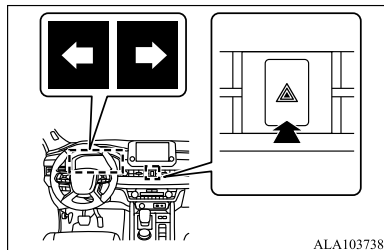
- **Watch for slippery spots (glare ice).** These may appear on an otherwise clear road in shaded areas. If a patch of ice is seen ahead, brake before reaching it. Try not to brake while on the ice, and avoid any sudden steering maneuvers.
- **Do not use cruise control on slippery roads.**
- **Snow can trap dangerous exhaust gases under your vehicle.** Keep snow clear of the exhaust pipe and from around your vehicle.

In case of emergency

Hazard indicator flasher switch	512
Emergency Plug-in Hybrid system shut off	512
Recovery operation of Plug-in Hybrid system	513
Flat tire	514
Jump starting	520
Push starting	524
If your vehicle overheats	524
Towing your vehicle	525

Hazard indicator flasher switch

N07800100079



Push the switch on to warn other drivers when you must stop or park under emergency conditions. All turn signal lights will flash.

To turn them off, push the switch again.

⚠ WARNING

- If stopping for an emergency, be sure to move the vehicle well off the road.

⚠ WARNING

- 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 signals do not work when the hazard warning flasher lights are on.

The flasher can be actuated with the push-button power switch in any position.

⚠ WARNING

Do not turn the hazard indicator flasher switch to off until you are sure that it is safe to do so. Also, the hazard flasher warning may not blink automatically depending on the force of impact.

Some state laws may prohibit the use of the hazard indicator flasher switch while driving.

Emergency Plug-in Hybrid system shut off

N07800200038

To shut off the Plug-in Hybrid system in an emergency situation while driving or when the Intelligent Key battery is discharged, perform either of the following procedure:

- Rapidly push the push-button power switch 3 consecutive times.
- Push and hold the push-button power switch for more than 2 seconds.

After Plug-in Hybrid system shut-off, open the door to return to the normal condition.

Recovery operation of Plug-in Hybrid system

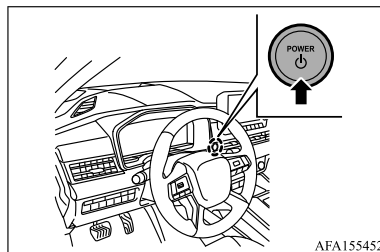
N07800300039

If the Plug-in Hybrid system can not be started or the charging can not be started, turn on the push-button power switch and confirm the READY to drive indicator light in vehicle information display.

In case of the charging not be started, operate to activate the Plug-in Hybrid system before confirm the READY to drive indicator light. (See "Starting and stopping the Plug-in Hybrid System" on page 356.)

If the READY to drive indicator light keep flashing, it is possible that the Li-ion battery protection function is temporarily activated. In such a case, please implement the following recovery operation.

PHEV system recovery operation procedure



AFA15S452

1. Wait for 3 minutes.
 2. If the charging connector is connected, disconnect the charging connector.
 3. Activate the Plug-in Hybrid system. (See "Starting and stopping the Plug-in Hybrid System" on page 356.)
- When driving, activate the Plug-in Hybrid system, and check that the READY to drive indicator light is lit.

- When charging, open the charge port lid, connect the charging connector, and check that the charging port courtesy light flashes green. (See "Charging port courtesy light" on page 53.)

If the Plug-in Hybrid system does not start or charging does not start, perform steps 1 to 3 again.

If you cannot recover after trying several times, it is recommended you contact a Nissan Electric Vehicle certified dealer.

4. As far as possible, do not stop the Plug-in Hybrid system or stop charging until 10 minutes or more have passed.

Flat tire

N07800400027

Tire Pressure Monitoring System (TPMS)

N07800500060

This vehicle is equipped with the Tire Pressure Monitoring System (TPMS). It monitors tire pressure of all tires. When the low tire pressure warning light is lit, and the "Tire Pressure Low - Add Air" warning message is displayed in the vehicle information display, one or more of your tires is significantly under-inflated. If the vehicle is being driven with low tire pressure, the TPMS will activate and warn you of it by the low tire pressure warning light. This system will activate only when the vehicle is driven at speeds above 16 MPH (25 km/h). For more details, see "Warning lights, indicator lights and audible reminders" on page 160 and "Tire Pressure Monitoring System (TPMS)" on page 341.

WARNING

- If the low tire pressure warning light illuminates while driving, avoid sudden steering maneuvers or abrupt braking, reduce vehicle speed, pull off the road to a safe location and stop the vehicle immediately. Driving with under-inflated tires may permanently damage the tires and increase the likelihood of tire failure. Serious vehicle damage could occur and may lead to an accident and could result in serious personal injury. Check the tire pressure for all four tires. Adjust the tire pressure to the recommended COLD tire pressure shown on the Tire and Loading Information placard to turn the low tire pressure warning light OFF.
- If the light still illuminates while driving after adjusting the tire pressure, a tire may be flat or the TPMS may be malfunctioning. If you have a flat tire, repair it with a emergency tire puncture repair kit.

WARNING

- If no tire is flat and all tires are properly inflated, it is recommended you consult a Nissan Electric Vehicle certified dealer.
- If a wheel that not equipped with the TPMS is installed, the TPMS will not function and the low tire pressure warning light will flash for approximately 1 minute. The light will remain on after 1 minute. Have your tires replaced and/or TPMS system reset immediately. It is recommended you visit a Nissan Electric Vehicle certified dealer for these services.
- Do not inject any tire liquid or aerosol tire sealant (except the sealant of the genuine emergency tire puncture repair kit) into the tires, as this may cause a malfunction of the tire pressure sensors.

Emergency tire puncture repair kit and tools

N07800600074

The emergency tire puncture repair kit can be used to tempo-

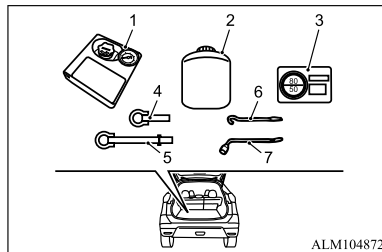
rarily repair a minor puncture in tread area caused by a nail, screw or similar object. Therefore, a spare tire is not provided.

⚠ WARNING

- The emergency tire puncture repair kit may not permanently seal a punctured tire. Have the tire repaired immediately.
- Using the emergency tire puncture repair kit may damage the wheel and/or the tire inflation pressure sensor for the tire. The vehicle must promptly be inspected and repaired after using the emergency tire puncture repair kit. It is recommended you visit a Nissan Electric Vehicle certified dealer.
- Use only the genuine NISSAN emergency tire puncture repair kit. Sealant in other repair kits may not sufficiently seal the tire puncture.

Emergency tire puncture repair kit and tools storage

N07801300049



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The design and the storage position of the emergency tire puncture repair kit and tools may vary depending on the vehicle. Emergency tire puncture repair kit which consists of 1 to 3.

1. Tire compressor*
2. Tire sealant bottle
3. Speed restriction sticker
4. Rear towing hook
5. Front towing hook
6. Jack bar
7. Wheel nut wrench

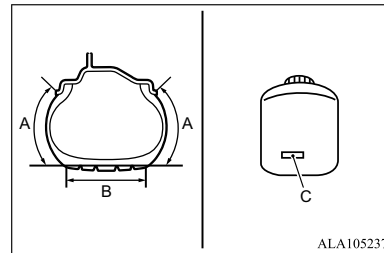
⚠ WARNING

- Always make sure that the emergency tire puncture repair kit and tools are properly secured after use. Such items can become dangerous projectiles in an accident or sudden stop.

*: The compressor shape may differ depending on the models. Before taking out the emergency tire puncture repair kit and tools, flip up the 3rd row seats.

How to use the emergency tire puncture repair kit

N07801400053



ALA105237

⚠ WARNING

Never use the emergency tire puncture repair kit under in any of the situations listed below. The tire cannot be repaired by the emergency tire puncture repair kit. If any of these situations occur, it is recommended you contact a Nissan Electric Vehicle certified dealer.

- More than one tire is punctured.
- The puncture hole has a length or width of 1/7 inch (4 mm) or greater.
- The tire is punctured in the side wall (A), not in the tread (B).
- The vehicle has been driven with the tire almost completely flat.
- The tire has completely slipped over the wheel rim and come off the wheel.
- The wheel is damaged.
- A bump, cut or crack is on the tire.
- The tire sealant's expiration date has passed. (The expiration date is shown on the bottle label (C).)

⚠ WARNING

- The ambient temperature is below -22°F (-30 °C) or above 140 °F (60 °C).
- The tire sealant can cause health damage if swallowed. If you accidentally swallow it, drink as much water as possible and immediately seek medical attention.
- If the tire sealant gets in your eyes or on your skin, rinse it away with lots of water. If you still sense an abnormality, seek medical attention.
- Consult a doctor immediately if any allergic reactions occur.
- Do not allow children to touch the tire sealant.

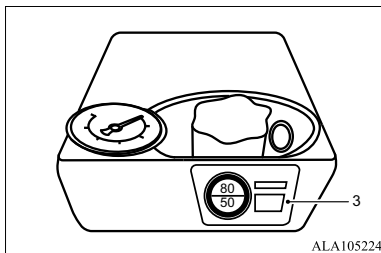
⚠ CAUTION

- If the vehicle body is contaminated by the tire sealant, wipe the tire sealant off immediately with a wet cloth.
- Immediately wash clothes contaminated with tire sealant. The tire sealant may permanently damage clothing.

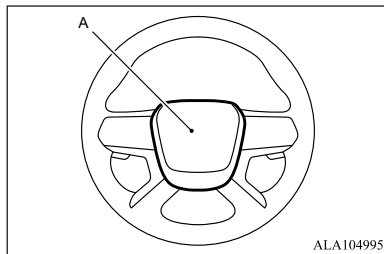
📖 NOTE

- Do not pull out an object, such as a nail or screw, that penetrates the punctured tire.
- Move the vehicle so that the tire valve is positioned away from the point where the tire touches the ground. If the valve is near the point where the tire touches the ground, the sealant may not enter the tire easily.
- Check the tire sealant's expiration date regularly, and be sure to purchase a new one from a Nissan Electric Vehicle certified dealer before the expiration date.

1. Take out the speed restriction sticker (3) from the tire compressor.



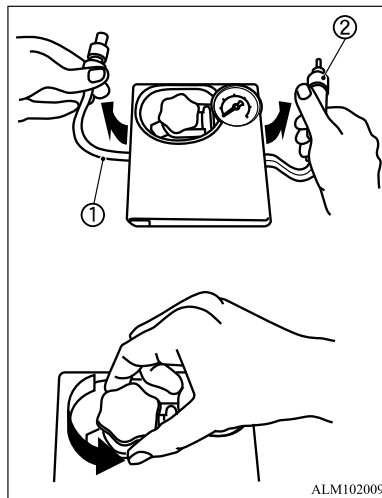
2. Affix the speed restriction sticker (A) to a location where the driver can see it while driving.



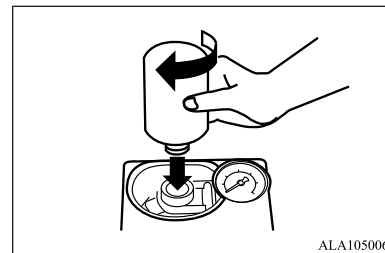
CAUTION

- Do not affix the sticker anywhere except the specified position on the pad of the steering wheel. Affixing the sticker in an incorrect position could prevent the SRS air bag from working normally.

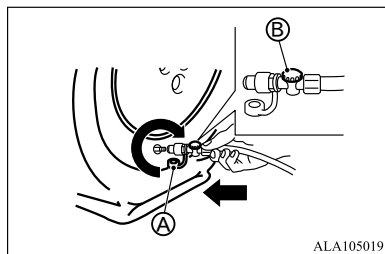
3. Take the hose ① and the power plug ② out of the tire compressor. Remove the cap of the bottle holder from the tire compressor.



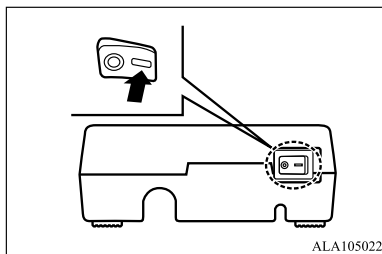
4. Remove the cap of the tire sealant bottle, and screw the bottle clockwise onto the bottle holder. (Leave the bottle seal intact. Screwing the bottle onto the bottle holder will pierce the seal of the bottle.)



5. Remove the cap of the tire valve on the flat tire.
6. Remove the protective cap ① of the hose and screw the hose securely onto the tire valve. Make sure that the pressure release valve ② is securely tightened. Make sure that the tire compressor switch is in the OFF (○) position, and then insert its power plug into the power outlet in the vehicle.



7. Place the push-button power switch in the ON position. Then turn the compressor switch to the ON (-) position and inflate the tire up to the pressure that is specified on the tire and loading information placard affixed to the driver's side center pillar if possible, or to the minimum of 18 psi (130 kPa). Turn the tire compressor off briefly in order to check the tire pressure with the pressure gauge.



If the tire is inflated to higher than the specified pressure, adjust the tire pressure by releasing air with the pressure release valve. The cold tire pressures are shown on the tire and loading information placard affixed to the driver's side center pillar.

⚠ WARNING

- Do not place your hand or fingers between the tire and wheel while inflating the tire. Your hand or fingers may become caught between the tire and wheel.

⚠ CAUTION

- The supplied compressor is designed only for inflation of your vehicle tires.
- The compressor is designed to run on a vehicle's 12 V power supply. Do not connect it to any other power source.
- The compressor is not water-proof. If you use it in rain, make sure water does not get on it.
- Any sand or dust sucked into the compressor could make the compressor break down. Do not place the compressor directly on any sandy or dusty surface when using it.
- Do not disassemble or modify the compressor. Also, do not subject the air pressure gauge to shock. It could malfunction.
- An incomplete connection between the hose and tire valve causes air leakage or sealant scatter.
- Do not stand directly beside the damaged tire while it is being inflated because of the risk of the rupture. If there are any cracks or bumps, turn the compressor off immediately.

⚠ CAUTION

- There is a possibility that the pressure reaches 87 psi (600 kPa) while the tire is being inflated, but it is normal condition. Usually the pressure will drop in about 30 seconds.
- Do not operate the compressor for more than 10 minutes. If the tire pressure does not increase to 18 psi (130 kPa) within 10 minutes, the tire may be seriously damaged and the tire cannot be repaired with this tire puncture repair kit. Have your vehicle inspected. It is recommended you contact a Nissan Electric Vehicle certified dealer.

8. When the tire pressure is reaching the specified pressure or is at the minimum of 18 psi (130 kPa), turn the tire compressor off. Remove the power plug from the power outlet and quickly remove the hose from the tire valve. Attach the protective cap and valve cap.

⚠ CAUTION

- Leave the tire sealant bottle on the bottle holder in order to prevent sealant from spilling out.

9. Immediately drive the vehicle for 10 minutes or 2 miles (3 km) at a speed of 50 MPH (80 km/h) or less.
10. After driving, make sure that the air compressor switch is in the OFF (○) position, then screw the hose securely onto the tire valve. Check the tire compressor with the pressure gauge.

If the tire pressure drops under 18 psi (130 kPa):

The tire cannot be repaired with this tire puncture repair kit. Have your vehicle inspected. It is recommended you contact a Nissan Electric Vehicle certified dealer.

If the tire pressure is 18 psi (130 kPa) or more but less than the specified pressure:

Turn the compressor switch to the ON (-) position and inflate the

tire up to the specified pressure. Then repeat the steps from 8.

If the pressure drops again, the tire cannot be repaired with this tire puncture repair kit. Have your vehicle inspected. It is recommended you contact a Nissan Electric Vehicle certified dealer.

When the tire pressure is the specified pressure:

The temporary repair is completed.

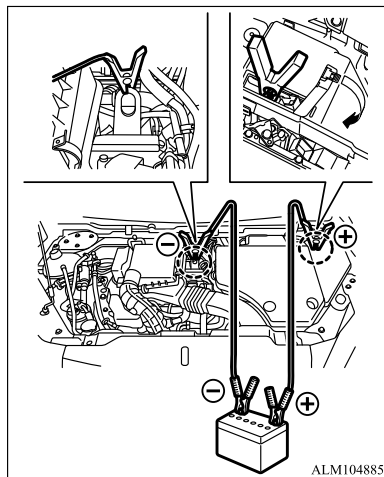
Have your tire repair/replace-ment as soon as possible. It is recommended you contact a Nissan Electric Vehicle certified dealer.

⚠ CAUTION

- Do not reuse the tire sealant bottle or the hose. For a new tire sealant bottle and hose, see a Nissan Electric Vehicle certified dealer.

Jump starting

N07800700088



If the 12-volt battery runs out and you cannot turn on the push-button power switch, ask for a rescue vehicle, connect the booster cable (sold separately), and start the Plug-in Hybrid system.

⚠ WARNING

- When doing a jump start, provide sufficient ventilation and keep away from fire. The flammable gas generated from the 12-volt battery may ignite and explode.
- If the battery fluid adheres, immediately wash it with a large amount of water, and if swallowed, drink a large amount of water for first aid and then consult a doctor. The battery fluid is dilute sulfuric acid. If it adheres to the eyes or skin, it may lead to serious injuries such as blindness and inflammation.
- Connect the booster cables in the correct order and position.
- Do not connect the booster cable directly to the negative terminal of your vehicle's 12-volt battery.

⚠ WARNING

- Do not contact the positive terminal and the negative terminal of the booster cable. Sparks may occur and the flammable gas generated from the 12-volt battery may ignite and explode, resulting in serious injury such as burns.
- Make sure that the positive terminal of the battery does not come into contact with surrounding metal. Contact may cause a short circuit and cause a fire. Also, if the terminals of the 12-volt battery are loosely tightened, the wiring may overheat or burn out, leading to a fire.

📖 NOTE

- Even if the model of the 12-volt battery is the same, it may not be installed correctly in the car. It is recommended you ask a Nissan Electric Vehicle certified dealer to replace the 12-volt battery.

NOTE

- Be sure to ask the rescue vehicle that has a 12V battery with the same capacity or more as your own vehicle.
- Due to the voltage may not be stable depending on the device, do not use portable power supplies, including mobile batteries and jump starters.
There is a risk of the Plug-in Hybrid system may not be able to start.
- Use a booster cable suitable for the capacity of the 12-volt battery. Also, check that there are no abnormalities such as damage or corrosion before using. It may cause the cable to burn out.
- Do not connect the booster cable to the 12-volt battery while the Li-ion battery is in charging. The vehicle or charging equipment may be damaged.

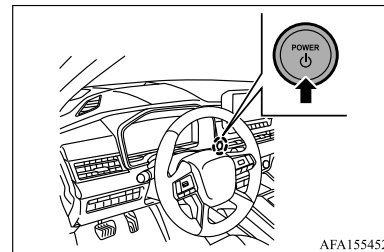
NOTE

- Even if the 12-volt battery is removed, the power mode status of the push-button power switch is memorized. When connected to the rescue vehicle with a booster cable, it returns to the state of the power mode before the power was cut off. Be careful if you do not know the state of the power mode before the 12-volt battery is exhausted.
- If the 12-volt battery runs out while the shift lever is in the P (Park) position, you may not be able to change the shift lever position. In that case, since the front wheels are locked, the vehicle cannot be moved without lifting the front wheels.

Jump starting procedure

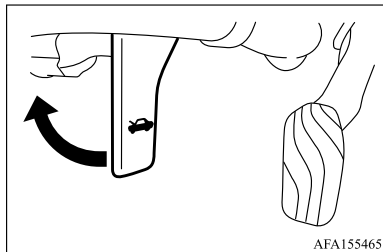
1. Stop the rescue vehicle at a position where the booster cable can be connected and it does not come into contact with your vehicle.

2. Switch off all electrical components such as lights and air conditioners.
3. Make sure to apply the parking brake of the rescue vehicle and your vehicle. If the rescue vehicle is a manual vehicle, put the shift lever in the N (Neutral) position, and if it is an automatic vehicle, put the shift lever in the P (Park) position, and stop the engine.



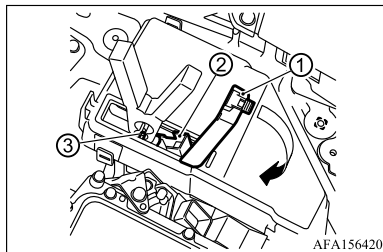
Jump starting

4. Turn off the push-button power switch of your vehicle.
(See "Push-button power switch" on page 352.)



AFA155465

5. Pull the hood lock release handle at the bottom right of the driver's seat of your vehicle to open the hood.



AFA156420

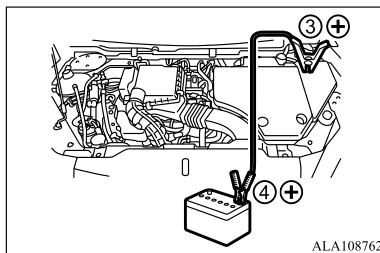
6. Open the lid ① on the fuse box cover.

NOTE

The lid should fully open to 180°. Otherwise your hand may touch the edge of the lid and cause an injury.

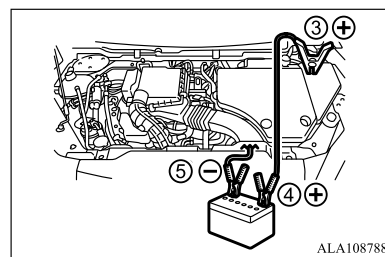
7. Open the rescue terminal cover ② in the fuse box of your vehicle while pressing the tab.

8. Connect the booster cable to the positive terminal ③ of your vehicle in the fuse box.



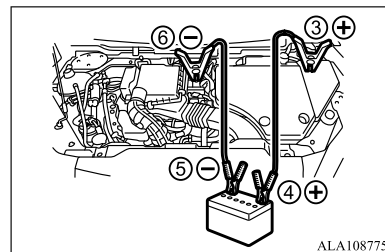
ALA108762

9. Connect the other end ④ of the cable connected in step 8 to the positive terminal of the rescue vehicle battery.



ALA108788

10. Connect another booster cable ⑤ to the negative terminal of the rescue vehicle battery.



ALA108775

11. Connect the other side ⑥ of the cable connected in step 10 to the vehicle body (unpainted metal part away from the position connected in step 8).
12. Start the rescue vehicle engine and increase the engine speed a little.
13. Activate the Plug-in Hybrid system.
(See "Starting and stopping the Plug-in Hybrid System" on page 356.)
Once the PHEV system has started, disconnect the booster cable in the reverse order of connecting it.
If the PHEV system does not start, it is recommended you contact a Nissan Electric Vehicle certified dealer.
14. Make sure that the shift lever position can be changed to every position from P (Park).
15. Check the 12-volt battery at your nearest Nissan Electric Vehicle certified dealer.

⚠ WARNING

When connecting the booster cable, be sure to observe the following. Sparks may occur and the flammable gas generated from the battery may ignite and explode.

- **Connect the booster cables in the correct order and position.**
- **Do not contact the positive and negative terminals of the booster cable.**
- **Do not smoke or use matches or lighters near the battery.**
- **Be sure to close the terminal cover lid firmly, after operation.**

⚠ CAUTION

- When connecting the booster cable, stop the engine of the rescue vehicle. Cables and clothes may get caught in the fan or drive belt, resulting in injury.
- Be careful not to touch the clip of the booster cable with the vehicle body or other clips.

⚠ CAUTION

- Securely connect the booster cable. Make sure that it will not come off by the vibration of starting the Plug-in Hybrid system.
- Be careful of cooling fans and drive belt. When connecting or disconnecting the booster cable, be careful not to get it caught in the cooling fan or drive belt.
- Connect the booster cable to the positive and negative terminals of the battery correctly. If connected in the other way, the electrical components of the vehicle may be damaged.
- Connecting the booster cable to a position other than the specified may cause a malfunction.

📖 NOTE

- This vehicle cannot be started by pushing.
- Do not use this vehicle as a rescue vehicle.

Push starting

NOTE

- When the 12-volt battery runs out, the push-button power switch cannot be turned on or off. It is recommended you ask a Nissan Electric Vehicle certified dealer for charging the 12-volt battery.
- When starting the PHEV system, turn off the headlights and air conditioner.
- Do not use the air conditioner or audio system for a while even if the PHEV system is started.

Push starting

N07800800050

Do not attempt to start the Plug-in Hybrid System by pushing.

CAUTION

Plug-in Hybrid system models cannot be push-started or tow-started. Attempting to do so may cause Plug-in Hybrid system, motor or power train damage.

If your vehicle overheats

N07800900064

WARNING

- Never continue driving if your vehicle overheats. Doing so could cause a vehicle fire.
- Never open the hood if steam is coming out.
- Never remove the radiator or coolant reservoir cap while the engine is hot. If the radiator or coolant reservoir cap is removed when the engine is hot, pressurized hot water will spurt out and possibly cause burning, scalding or serious injury.
- If steam or coolant is coming from the engine, stand clear of the vehicle to prevent getting burned.
- The engine cooling fan will start at anytime when the coolant temperature exceeds pre-set degrees.

WARNING

- Be careful not to allow your hands, hair, jewelry or clothing to come into contact with, or to get caught in the cooling fan or drive belt.

Warning labels (example)



If your vehicle is overheating (indicated by an extremely high temperature gauge reading), or if you feel a lack of driving power, detect abnormal noise, etc., take the following steps:

1. Move the vehicle safely off the road and apply the parking brake.

2. Push the electrical parking switch to shift to the P (Park) position.

Do not stop the Plug-in Hybrid system.

3. Turn off the air conditioner. Open all the windows, move the heater or air conditioner temperature control to maximum hot and fan control to high speed.
4. Get out of the vehicle. Look and listen for steam or coolant escaping from the radiator before opening the hood. (If steam or coolant is escaping, turn off the Plug-in Hybrid system.) Do not open the hood further until no steam or coolant can be seen.
5. Open the engine hood.

WARNING

If steam or water is coming from the engine, stand clear to prevent getting burned.

6. Visually check the drive belt for damage or looseness. Also check if the cooling fan is running. The radiator hoses and radiator should not leak water. If coolant is leaking or the cooling fan does not run, stop the Plug-in Hybrid system.

WARNING

Be careful not to allow your hands, hair, jewelry or clothing to come into contact with, or get caught in, drive belt or the engine cooling fan. The engine cooling fan can start at any time.

7. After the engine cools down, check the coolant level in the reservoir with the Plug-in Hybrid system operating. Add coolant to the reservoir if necessary. Have your vehicle repaired. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service.

Towing your vehicle

N07801000059

When towing your vehicle, all jurisdictional and local regulations for towing must be followed. Incorrect towing equipment could damage your vehicle. Towing instructions are available from a Nissan Electric Vehicle certified dealer. Local service operators are generally 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.**

Towing your vehicle

⚠ CAUTION

- When towing, make sure that the transaxle, axles, steering system and powertrain are in working condition. If any of these conditions apply, dollies or a flatbed tow truck must be used.
- Always attach safety chains before towing.

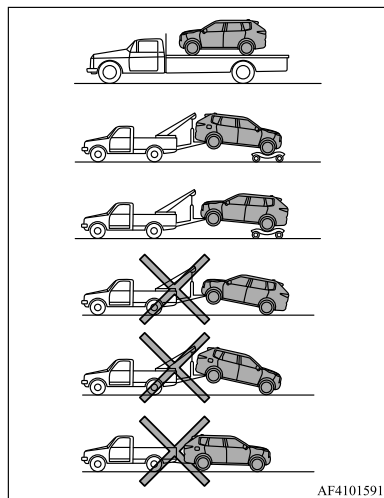
(See "Flat towing for All-Wheel Drive vehicle" on page 627.)

📖 NOTE

If the battery is completely drained, the transaxle will not manually shift to other positions. For shifting to other positions, charge the battery or supply power following the jump starting procedure. Push the electrical parking switch to shift to the P (Park) position before shifting to other positions.

Towing recommended by NISSAN

N07801100047



NISSAN recommends that towing dollies be used when towing your vehicle or the vehicle be placed on a flat bed truck as illustrated.

⚠ CAUTION

Never tow AWD models with any of the wheels on the ground as this may cause serious and expensive damage to the powertrain.

Vehicle recovery (freeing a stuck vehicle)

N07801200048

⚠ WARNING

To avoid vehicle damage, serious personal injury or death when recovering a stuck vehicle:

- Contact a professional towing service to recover the vehicle if you have any questions regarding the recovery procedure.
- Tow chains or cables must be attached only to main structural members of the vehicle.
- Do not use the vehicle tie-downs to tow or free a stuck vehicle.
- Only use devices specifically designed for vehicle recovery and follow the manufacturer's instructions.

⚠ WARNING

- Always pull the recovery device straight out from the front of the vehicle. Never pull at an angle.
- Route recovery devices so they do not touch any part of the vehicle except the attachment point.

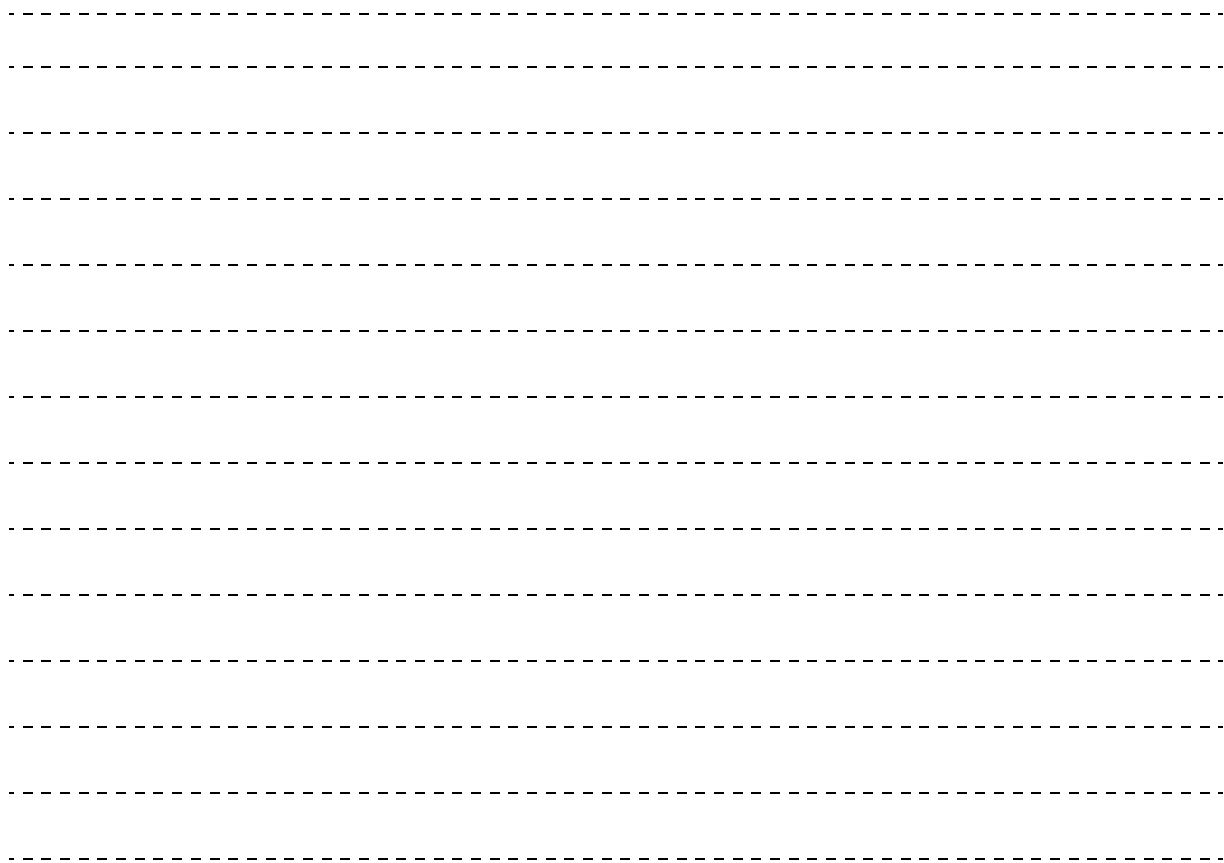
If your vehicle is stuck in sand, snow, mud, etc., use a tow strap or other device designed specifically for vehicle recovery. Always follow the manufacturer's instructions for the recovery device.

Rocking a stuck vehicle**⚠ WARNING**

- Stand clear of a stuck vehicle.
- Do not spin your tires at high speed. This could cause them to explode and result in serious injury. Parts of your vehicle could also overheat and be damaged.

If your vehicle is stuck in sand, snow, mud, etc., use the following procedure:

1. Turn off the Vehicle Dynamic Control (VDC) 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 tires.
4. Slowly rock the vehicle forward and backward.
 - Shift back and forth between R (Reverse) and D (Drive).
 - 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 tires above 35 MPH (55 km/h).
5. If the vehicle cannot be freed after a few tries, contact a professional towing service to remove the vehicle.



Appearance and care

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Cleaning exterior

N07900100083

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 dish-washing liquid mixed with clean, lukewarm (never hot) water.

CAUTION

- As your vehicle is equipped with a rain sensor, place the wiper switch in the "OFF" position to deactivate the sensor prior to washing the vehicle.
- 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.

CAUTION

- Do not wash the vehicle with strong household soap, strong chemical detergents, gasoline or solvents.
- Do not wash the vehicle in direct sunlight or while the vehicle body is hot, as the surface may become water-spotted.
- Do not bring the plastic parts into contact with petrol, light oil, brake fluids, engine oils, greases, paint thinners and sulphuric acid (battery electrolyte) which may crack, stain or discolour the plastic parts.
Also, be sure to avoid even brief contact with chemicals such as coating materials, because they cause cracks that allow water to enter the lamps.

If they touch the plastic parts, wipe them off with soft cloth, chamois or the like and an aqueous solution of neutral detergent then immediately rinse the affected parts with water.

⚠ CAUTION

- 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 hood 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 reapplying wax.

- 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 Nissan Electric Vehicle certified dealer or any automotive accessory stores.

It is recommended that you visit a Nissan Electric Vehicle certified dealer for these products.

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.

Cleaning interior

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 defroster elements.

Chrome parts

In order to prevent spots and corrosion of chrome parts, wash with water using a soft cloth and dry thoroughly.

Aluminum wheels

1. Remove dirt using a wet sponge.
2. Use a mild detergent on any dirt that cannot be removed easily with water. Rinse off the detergent after washing the wheels.
3. Dry the wheels thoroughly using a chamois leather or a soft cloth.

CAUTION

Follow the directions below to avoid staining or discoloring the wheels:

- Do not use a brush or other hard implement on the wheels.
- Do not use any cleaner that contains an abrasive substance or is acidic or alkaline. Doing so could cause the coating on the wheels to peel or become discolored or stained.
- Do not directly apply hot water using a steam cleaner or by any other means.
- Contact with seawater or road salt used for de-icing can cause corrosion. Rinse off such substances as soon as possible.

Cleaning interior

N07900200042

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 or leather surfaces.

Use a cloth dampened only with water, to clean the meter and display.

WARNING

Do not use water or acidic cleaners (hot steam cleaners) on the seat. This can damage the seat or occupant classification sensors. This can also affect the operation of the air bag system and result in serious personal injury.

CAUTION

- Never use benzine, thinner, or any similar material.

⚠ CAUTION

- For cleaning, use a soft cloth, dampened with water. Never use a rough cloth, alcohol, benzine, thinner or any kind of solvent or paper towel with a chemical cleaning agent. They will scratch or cause discoloration to the lens.
- Do not spray any liquid such as water on the meter lens. Spraying liquid may cause the system to malfunction.
- 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**⚠ WARNING**

To avoid potential pedal interference that may result in a collision, injury or death:

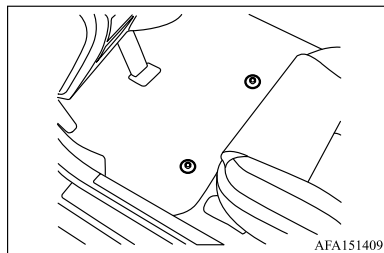
- **NEVER** place a floor mat on top of another floor mat in the driver front position or install them upside down or backwards.
- It is recommended that you use only genuine NISSAN floor mats specifically designed for use in your vehicle model and model year.
- Properly position the mats on the floor using the floor mat positioning hooks. See "Floor mat installation" on page 534.
- Make sure the floor mat does not interfere with pedal operation.
- Periodically check the floor mats to make sure they are properly installed.
- After cleaning the vehicle interior, check the floor mats to make sure they are properly installed.

Cleaning interior

The use of genuine NISSAN floor mats can extend the life of your vehicle carpet and make it easier to clean the interior. Mats should be maintained with regular cleaning and replaced if they become excessively worn.

Floor mat installation

Example



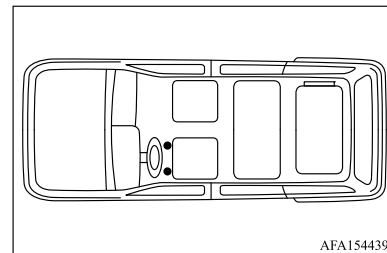
Your vehicle is equipped with floor mat positioning hook(s). The number and shape of the floor mat positioning hook(s) for each seating position varies depending on the vehicle.

When installing genuine NISSAN floor mats, follow the installation

instructions provided with the floor mat and the following:

1. Position the floor mat in the floorwell so that the floor mat grommet holes are aligned with the hook(s).
2. Secure the grommet holes into the hook(s) and ensure that the floor mat is properly positioned.
3. Make sure the floor mat does not interfere with pedal operation. With the push-button power switch in the OFF position and the shift lever in the P (Park) position, fully apply and release all pedals. The floor mat must not interfere with pedal operation or prevent the pedal from returning to its normal position. It is recommended you see a Nissan Electric Vehicle certified dealer for details about installing the floor mats in your vehicle.

Positioning hook(s)



The illustration shows the location of the floor mat positioning hook(s).

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" on page 89.

⚠ 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.

Cleaning the seat tracks

⚠ CAUTION

Periodically clean the seat tracks to prevent reduction of ability to move the seats.

Clean periodically with a high-powered vacuum cleaner. Dirt and debris may reduce the ability to adjust the seat. A wet cleansing agent may be used if necessary.

Corrosion protection

N07900300056

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 com-

pletely 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 underbody for accumulation of sand, dirt or salt. If present, wash with water as soon as possible.

CAUTION

- NEVER remove dirt, sand or other debris from the passenger compartment by washing it out with a hose. Remove dirt with a vacuum cleaner.
- Never allow water or other liquids to come in contact with electronic components inside the vehicle as this may damage them.

Chemicals used for road surface deicing are extremely corrosive. They accelerate corrosion and deterioration of underbody components such as the exhaust system, fuel and brake lines, brake cables, floor pan and fenders.

In winter, the underbody must be cleaned periodically.

For additional protection against rust and corrosion, which may be required in some areas, it is recommended you consult a Nissan Electric Vehicle certified dealer.

Do-it-yourself

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Maintenance precautions

N08000100065

When performing any inspection or maintenance work on your vehicle, always take care to prevent serious accidental injury to yourself or damage to the vehicle. The following are general precautions which should be closely observed.

WARNING

- Park the vehicle on a level surface, apply the parking brake securely and block the wheels to prevent the vehicle from moving. Push the electrical parking switch to shift to the P (Park) position.
- Be sure the push-button power switch is in the OFF or LOCK position when performing any parts replacement or repairs.

WARNING

- If you must work with the Plug-in Hybrid system operating, keep your hands, clothing, hair and tools away from moving fans, drive belt and any other moving parts.
- It is advisable to secure or remove any loose clothing and remove any jewelry, such as rings, watches, etc. before working on your vehicle.
- Always wear eye protection whenever you work on your vehicle.
- If you must operate the Plug-in Hybrid system in an enclosed space such as a garage, be sure there is proper ventilation for exhaust gases to escape.
- Never get under the vehicle while it is supported only by a jack. If it is necessary to work under the vehicle, support it with safety stands.

WARNING

- Because the fuel lines are under high pressure even when the Plug-in Hybrid system is off, it is recommended you visit a Nissan Electric Vehicle certified dealer for service of the fuel filter or fuel lines.
- Do not work under the hood while the Plug-in Hybrid system is hot. Always turn off the Plug-in Hybrid system and wait until it cools down.
- Keep smoking materials, flame and sparks away from fuel and the battery.
- On gasoline engine models with the Multiport Fuel Injection (MFI) system, the fuel filter and fuel lines should be serviced because the fuel lines are under high pressure even when the engine is turned off. It is recommended that you visit a Nissan Electric Vehicle certified dealer for this service.

⚠ WARNING

- Your vehicle is equipped with an automatic engine cooling fan. It may come on at any time without warning, even if the push-button power switch is in the OFF position and the Plug-in Hybrid system is not operating. To avoid injury, always disconnect the negative battery cable before working near the fan.
- Avoid direct contact with used engine oil and coolant. Improperly disposed engine oil, engine coolant, and/or other vehicle fluids can hurt the environment. Always conform to local regulations for disposal of vehicle fluids.

⚠ CAUTION

- Do not work under the hood while the engine is hot. Turn the Plug-in Hybrid system off and wait until it cools down.

⚠ CAUTION

- Avoid direct contact with used engine oil and coolant. Improperly disposed engine oil, and engine coolant and/or other vehicle fluids can damage the environment. Always conform to local regulations for disposal of vehicle fluid.
- Never leave the Plug-in Hybrid system related component harnesses disconnected while the push-button power switch is in the ON position.
- Never connect or disconnect the 12-volt battery any transistorized component while the push-button power switch is in the ON position.
- Your vehicle is equipped with an automatic engine cooling fan. It may come on at any time without warning, even if the push-button power switch is in the OFF position and the Plug-in Hybrid system is not operating. To avoid injury, always disconnect the negative battery cable before working near the fan.

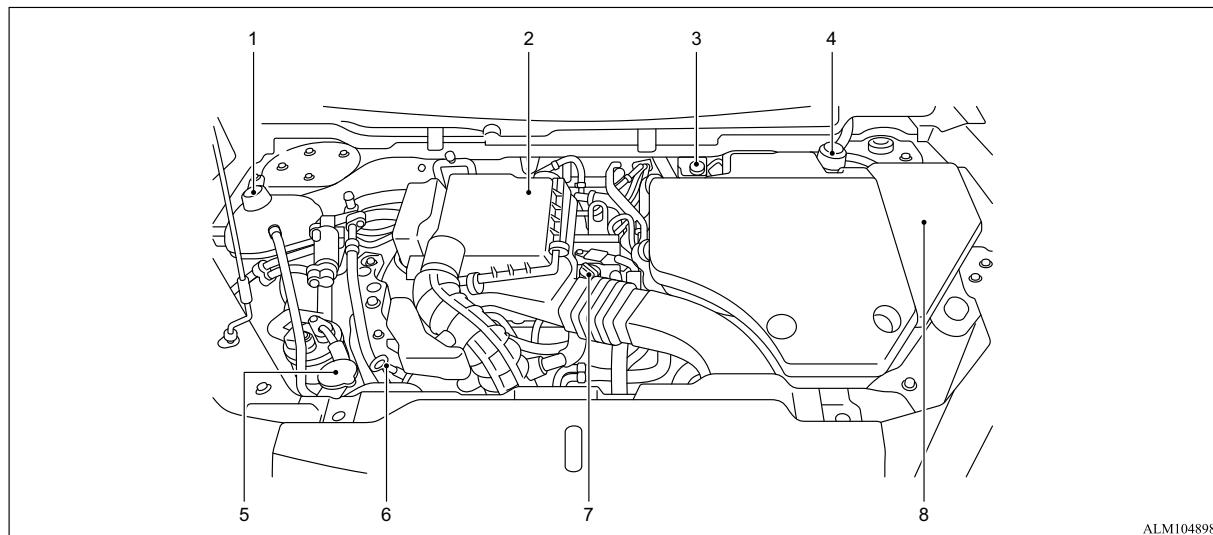
items which are relatively easy for an owner to perform.

You should be aware that incomplete or improper servicing may result in operating difficulties or excessive emissions, and could affect your warranty coverage. **If in doubt about any servicing, it is recommended you have it done by a Nissan Electric Vehicle certified dealer.**

This "Do-it-yourself" section gives instructions regarding only those

Engine compartment check locations

N08000200053



ALM104898

1. Engine coolant reservoir	5. Window washer fluid reservoir
2. Air cleaner	
3. Brake fluid reservoir	6. Engine oil dipstick
4. Plug-in Hybrid system coolant (rear motor coolant) reservoir	7. Engine oil filler cap
	8. Fuse/fusible link box

Engine and Plug-in Hybrid system cooling system

N08000300041

The engine and Plug-in Hybrid system cooling system is filled at the factory with a pre-diluted mixture of 50% Genuine NISSAN Engine Coolant (blue) and 50% water to provide year-round anti-freeze and coolant protection. The anti-freeze solution contains rust and corrosion inhibitors. Additional engine and Plug-in Hybrid system cooling system additives are not necessary.

WARNING

- **Never remove the radiator or coolant reservoir cap when the engine and Plug-in Hybrid system is hot. Wait until the engine and Plug-in Hybrid system cool down. Serious burns could be caused by high pressure fluid escaping from the radiator. See precautions in "If your vehicle overheats" on page 524 of this manual.**

WARNING

- **The radiator is equipped with a pressure type radiator cap. To prevent engine and Plug-in Hybrid system damage, use only a genuine NISSAN radiator cap.**
- **If the Plug-in Hybrid system was stopped soon when the engine and Plug-in Hybrid system is hot, the cooling fan may operate for a while after the Plug-in Hybrid system was stopped to cool the components in the engine compartment. When the cooling fan is operating, be sure that hands or other items do not get caught in it.**

CAUTION

- **Never use any cooling system additives such as radiator sealer. Additives may clog the cooling system and cause damage to the engine, Plug-in Hybrid system and/or cooling system.**

CAUTION

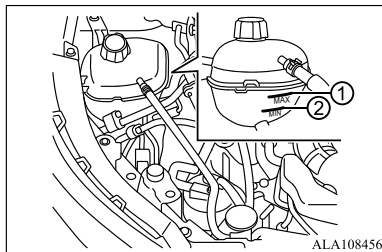
- **When adding or replacing coolant, be sure to use only Genuine NISSAN Engine Antifreeze/Coolant (blue) or equivalent. Genuine NISSAN Engine Antifreeze/Coolant (blue) is pre-diluted to provide antifreeze protection to -31°F (-35°C). If additional freeze protection is needed due to weather where you operate your vehicle, add Genuine NISSAN Engine Antifreeze/Coolant (blue) concentrate following the directions on the container. If an equivalent coolant other than Genuine NISSAN Engine Antifreeze/Coolant (blue) is used, follow the coolant manufacturer's instructions to maintain minimum antifreeze protection to -31°F (-35°C). The use of other types of coolant solutions other than Genuine NISSAN Engine Antifreeze/Coolant (blue) or equivalent may damage the engine and Plug-in Hybrid system cooling system.**
- **The life expectancy of the factory-fill coolant is below.**

⚠ CAUTION

- Engine coolant: 120,000 miles (192,000 km) or 8 years.
- Plug-in Hybrid system coolant (rear motor coolant): 248,000 miles (400,000 km) or 20 years.

Mixing any other type of coolant other than Genuine NISSAN Engine Antifreeze/Coolant (blue), including Genuine NISSAN Engine Antifreeze/Coolant (green), or the use of non-distilled water will reduce the life expectancy of the factory-fill coolant.

Checking engine and Plug-in Hybrid system coolant (REAR MOTOR COOLANT) level



Check the coolant level in the reservoir when the engine and Plug-in Hybrid system is cold after parking the vehicle on a level surface. If the coolant level is below the MIN level ②, open the reservoir cap and add coolant up to the MAX level ①. If the reservoir is empty, check the coolant level in the radiator **when the engine and Plug-in Hybrid system is cold**. If there is insufficient coolant in the radiator, fill the radiator

with coolant up to the filler opening and also add it to the reservoir up to the MAX level ①.

Tighten the cap securely after adding the coolant.

If the cooling system frequently requires coolant, have it checked. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service.

⚠ WARNING

To avoid the blow out or overflow when the coolant is hot, never fill the coolant more than MAX level.

Changing engine and Plug-in Hybrid system coolant (REAR MOTOR COOLANT)

NO8000400042

A Nissan Electric Vehicle certified dealer can change the engine and Plug-in Hybrid system coolant (rear motor coolant).

Improper servicing can result in reduced heater performance and system overheating.

Example



AFA154501

⚠ WARNING

- To avoid being scalded, never change the coolant when the engine and Plug-in Hybrid system is hot.
- Never remove the radiator or coolant reservoir cap when the engine and Plug-in Hybrid system is hot. Serious burns could be caused by high pressure fluid escaping from the radiator.

⚠ WARNING

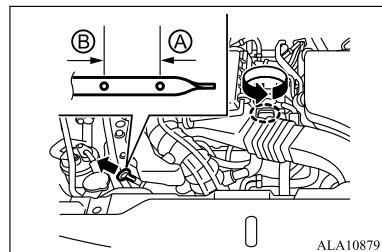
- Avoid direct skin contact with used coolant. If skin contact is made, wash thoroughly with soap or hand cleaner immediately.
- Keep coolant out of the reach of children and pets.

Engine and Plug-in Hybrid system coolant (rear motor coolant) must be disposed of properly. Check your local regulations.

Engine oil

N08000500069

To check and refill engine oil



ALA108791

The engine oil used has a significant effect on the engine's performance, service life and startability. Be sure to use oil of the recommended quality and appropriate viscosity.

All engines consume a certain amount of oil during normal operation. Therefore, it is important to check the oil level at regular intervals or before starting a long trip.

1. Park the vehicle on a horizontal surface.
2. Turn off the Plug-in Hybrid System.
3. Wait a few minutes.
4. Remove the dipstick and wipe it with a clean cloth.
5. Reinsert the dipstick as far as it goes.
6. Remove the dipstick and confirm that the oil level is between the minimum level ① and maximum level ②.

Brake fluid

7. If the oil level is less than the minimum level **A**, remove the cap and add enough oil to raise the level to between the minimum level **A** and maximum level **B**.
8. After adding oil, close the cap securely.
9. Confirm the oil level by repeating step 4 to 6.

NOTE

- To avoid engine damage, do not overfill by exceeding the maximum level **B**.
- Be sure to use the specified engine oil and do not mix various types of oil.
- When the oil level is checked in step 6 above, check it on a low side of the dipstick because it is different in appearance of oil level in the two sides of the dipstick.
- The engine oil will deteriorate rapidly if the vehicle is subjected to severe conditions, requiring earlier oil replacement. Please refer to the maintenance schedule.

NOTE

- For handling of used engine oils, refer to "Changing engine oil and filter" on page 544.

Changing engine oil and filter

N08000600060

Engine oil and oil filter should be replaced at the time or mileage specified in the maintenance interval. It is recommended to visit a Nissan Electric Vehicle certified dealer for this service.

WARNING

- Prolonged and repeated contact with used engine oil may cause skin cancer.
- Try to avoid direct skin contact with used oil. If skin contact is made, wash thoroughly with soap or hand cleaner immediately.
- Keep used engine oil out of reach of children.

Brake fluid

N08000700087

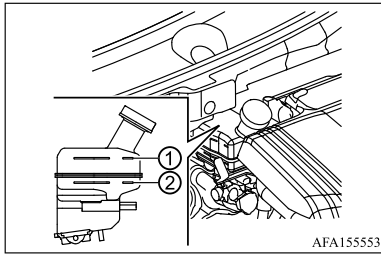
For additional brake fluid information, see "Capacities and recommended fluids/lubricants" on page 598 of this manual.

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 stopping ability.
- Clean the filler cap before removing.
- Brake fluid is poisonous and should be stored carefully in marked containers out of the reach of children.

CAUTION

Do not spill the fluid on any painted surfaces. This will damage the paint. If fluid is spilled, immediately wash the surface with water.

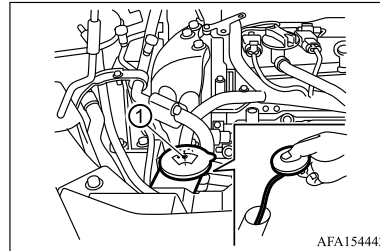


Check the fluid level in the reservoir. If the fluid is below the MIN line ② or the brake warning light comes on, add Genuine NISSAN Brake Fluid **DOT 3** or **DOT 4** up to the MAX line ①. If fluid must be added frequently, the system should be checked. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service.

The reservoir cap must be tightly sealed to keep dirt and water out.

Window washer fluid

NO8000800075



To check the fluid level, use your finger to plug the center hole ① of the cap/tube assembly, then remove it from the reservoir. If there is no fluid in the tube, add fluid.

Add a washer solvent to the washer for better cleaning. In the winter season, add a windshield washer antifreeze. Follow the manufacturer's instructions for the mixture ratio.

Fill the window washer fluid reservoir periodically.

Add fluid when the low washer fluid warning appears.

Refill the reservoir more frequently when driving conditions require an increased amount of window washer fluid.

Recommended fluid:

Genuine NISSAN Windshield Washer Concentrate Cleaner & Antifreeze or equivalent

CAUTION

- Do not use any fluid other than water fluid.

Also, do not use soapy water, glass cleaner, and engine coolant.

Other liquids could cause streaking on the vehicle's painted surfaces, damage the washer pump, or clog the nozzle, leading to the washer fluid not spraying.

- If dirt adheres to the inside of the washer nozzle, washer fluid may not spray on the windshield correctly. The nozzle may be damaged if you attempt to clean out the dirt with a pin or other object. Please contact a Nissan Electric Vehicle certified dealer.

- Over-diluting the washer fluid in winter may cause it to freeze onto the windshield.

12-volt battery

12-volt battery

NO8000900047

The condition of the 12-volt battery is very important for quick starting of the Plug-in Hybrid system and proper functioning of the vehicle's electrical system. Regular inspection is especially important in cold weather. Be sure to have a Nissan Electric Vehicle certified dealer check the 12-volt battery.

WARNING

Be sure to have a Nissan Electric Vehicle certified dealer charge the battery. Do not charge the battery yourself. Flammable gases may leak and explode.

CAUTION

There is a type of 12-volt battery is not properly installed in the vehicle, even if the same specification. When replacing the 12-volt battery, please contact a Nissan Electric Vehicle certified dealer.

NOTE

When the 12-volt battery is removed, the controlling timer for forcibly starting the engine may be reset.

Since a fuel injection device may cause a clogging if the state where the engine does not operate continues after reset of the timer, please select the CHARGE mode in order to start the engine. However, if the Li-ion battery level is nearly full, the engine may not start even though the CHARGE mode is selected.

In that case, activate the CHARGE mode again after the Li-ion battery quantity decreases. Refer to "EV mode selector switch" on page 370.

Disconnection and connection

To disconnect the battery cable, stop the Plug-in Hybrid system. Disconnect the negative (-) terminal first, then the positive (+) terminal. To reconnect the battery, first connect the positive (+) terminal and then the negative (-)

terminal, before starting the vehicle.

NOTE

- Open the terminal cover on the positive (+) terminal before disconnecting or connecting the positive (+) terminal of the battery
- Loosen the nut of the clamp of the positive (+) terminal and then disconnect the battery cable from the positive (+) terminal.

Jump starting

If jump starting is necessary, see "Jump starting" on page 520. If the Plug-in Hybrid system does not start by jump starting, the 12-volt battery may have to be replaced. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service.

Spark plugs

N08001000058

⚠ WARNING

Be sure the engine and push-button power switch are off and that the parking brake is applied.

⚠ CAUTION

Be sure to use the correct socket to remove the spark plugs. An incorrect socket can damage the spark plugs.

Replacing spark plugs

If replacement is required, it is recommended you visit a Nissan Electric Vehicle certified dealer for this service.

Iridium platinum-tipped spark plugs

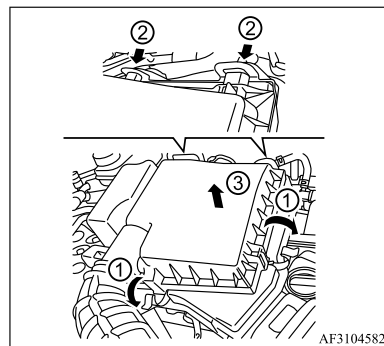
It is not necessary to replace the iridium platinum-tipped spark plugs as frequently as the con-

ventional type spark plugs since they will last much longer. Do not reuse the iridium platinum-tipped spark plugs by cleaning or regapping.

Always replace spark plugs with recommended or equivalent ones.

Air cleaner

N08001100075



To remove the filter, release the lock pins ①, remove the stoppers from their fittings by sliding the air cleaner filter cover ② and pull

the air cleaner filter cover upward ③.

The filter should not be cleaned and reused. Replace the air filter according to the maintenance log shown in a separate maintenance booklet. When dusty/harsh conditions or driving on unsealed roads, the air cleaner filter will require checking and replacing more frequently than the standard maintenance interval. When replacing the filter, wipe the inside of the air cleaner housing and the cover with a damp cloth.

⚠ WARNING

● Operating the Plug-in Hybrid system with the air cleaner filter off can cause you or others to be burned. The air cleaner filter not only cleans the intake air, it also stops flame if the engine backfires. If the air cleaner filter is not installed and the engine backfires, you could be burned. Never drive with the air cleaner filter off. Be cautious working on the engine when the air cleaner filter is off.

Windshield wiper blades

WARNING

- Never pour fuel into the throttle body or attempt to start the Plug-in Hybrid system with the air cleaner removed. Doing so could result in serious injury.

Windshield wiper blades

N08001200034

Cleaning

If your windshield is not clear after using the windshield washer or if a wiper blade chatters when running, wax or other material may be on the blade or windshield.

Clean the outside of the windshield with a washer solution or a mild detergent. Your windshield is clean if beads do not form when rinsing with clear water.

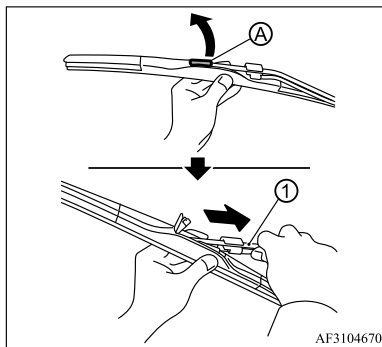
Clean each blade by wiping it with a cloth soaked in a washer solution or a mild detergent. Then rinse the blade with clear water. If

your windshield is still not clear after cleaning the blades and using the wiper, replace the blades.

CAUTION

Worn windshield wiper blades can damage the windshield and impair driver vision.

Replacing



Replace the wiper blades if they are worn.

1. Lift the wiper arm away from the windshield.
2. Pull up the release tab , turn the wiper blade at an angle and then push the wiper blade down in line with the wiper arm  to remove.
3. Insert the new wiper blade onto the wiper arm until a click sounds.
4. Push down the release tab  to lock the wiper blade and put down the wiper arm on the windshield.

CAUTION

- After wiper blade replacement, return the wiper arm to its original position; otherwise it may be damaged when the hood is opened.
- Make sure the wiper blades contact the glass; otherwise the arm may be damaged from wind pressure.

Rear window wiper blade

N08001300051

It is recommended you contact a Nissan Electric Vehicle certified dealer if checking or replacement is required.

Brakes

N08001400065

If the brakes do not operate properly, it is recommended you have the brakes checked by a Nissan Electric Vehicle certified dealer.

Self-adjusting brakes

Your vehicle is equipped with self-adjusting brakes. The disc-type brakes self-adjust every time the brake pedal is applied.

WARNING

Have your brake system checked if the brake pedal height does not return to normal. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service.

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

Rear window wiper blade

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.

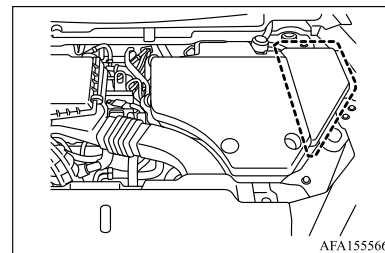
Proper brake inspection intervals should be followed.

Fuses

N08001500024

Engine compartment

N08001600041



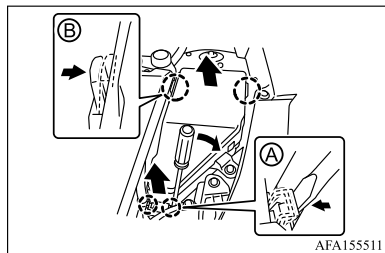
Fuses

WARNING

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 electronic control units or cause a fire.

If any electrical equipment does not operate, check for an open fuse.

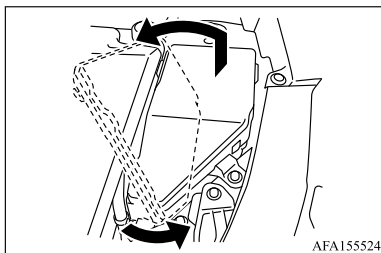
1. Be sure the push-button power switch and the headlight switch are turned off.
2. Open the engine hood.



3. Remove the fuse box cover as follows.

(1) While pressing the two tabs at the front of the vehicle inward, raise the cover slightly. If it is difficult to press the tab (A), use a flat-blade screwdriver, car tool, or other tool with a thin tip.

(2) While pushing the two tabs at the rear of the vehicle inward, raise the cover slightly. At this time, pull up the cover while pressing the tab (B) so that the tab (B) does not get caught on the EV unit cover.



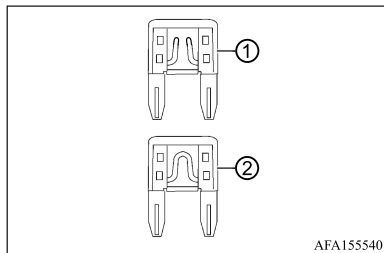
(3) Slightly lift up the entire cover and rotate it slowly counterclockwise toward the EV unit cover while lifting up the rear part further, centering on the front edge of the cover. When installing the cover, perform step (3) in the reverse order of removal, then push the entire cover downward until the tabs click, to lock the four tabs securely.

NOTE

When removing and installing, be careful not to let the tabs get caught on other parts. If they are caught, the tabs may be damaged.

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 ①, replace it with a new fuse ②.
7. If a new fuse also opens, have the electrical system checked and repaired. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service.

are melted, replace only with genuine NISSAN parts.

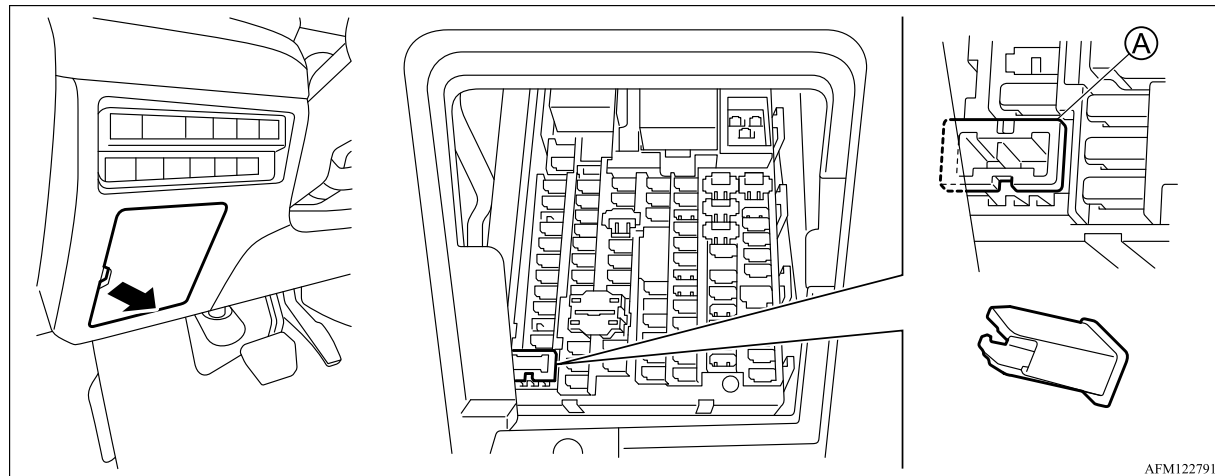
For checking and replacing the fusible links, it is recommended you visit a Nissan Electric Vehicle certified dealer.

Fusible links

If any electrical equipment does not operate and the fuses are in good condition, check the fusible links. If any of these fusible links

Passenger compartment

N08001700084



AFM122791

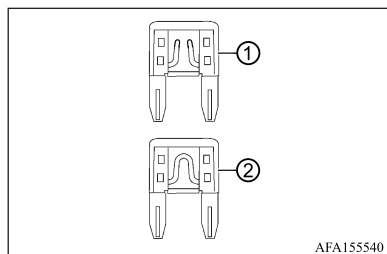
WARNING

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 electronic control units or cause a fire.

If any electrical equipment does not operate, check for an open fuse.

1. Be sure the push-button power switch and the head-light switch are turned off.
2. Remove the fuse box cover.

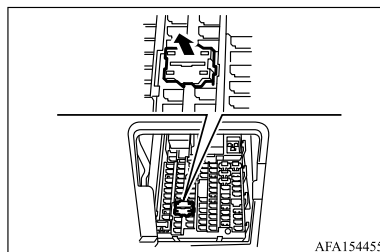
3. Remove the fuse with the fuse puller ①.



4. If the fuse is open ①, replace it with a new fuse ②.
5. If a new fuse also opens, have the electrical system checked and repaired. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service.

Extended storage switch

NO8003700062



To reduce battery drain, the extended storage switch comes from the factory switched off. Prior to delivery of your vehicle, the switch is pushed in (switched on) and should always remain on. If the extended storage switch is not pushed in (switched on), the meter may display a warning message. For additional information about "Shipping Mode On Push Storage Fuse" warning on vehicle information display, refer to "Vehicle information display warnings and indicators" on page 187.

If any electrical equipment does not operate, remove the extended storage switch and check for an open fuse.

NOTE

If the extended storage switch malfunctions or if the fuse is open, it is not necessary to replace the switch. In this case, remove the extended storage switch and replace it with a new fuse of the same rating.

How to remove the extended storage switch

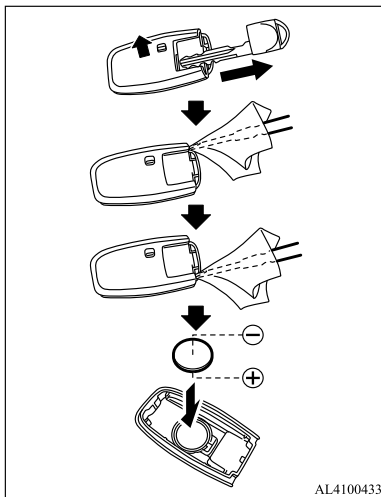
1. To remove the extended storage switch, be sure the push-button power switch is in the OFF or LOCK position.
2. Be sure the headlight switch is in AUTO or OFF (if so equipped) position.
3. Remove the fuse box cover.
4. Pinch and pull out the extended storage switch.
5. Pull the extended storage switch straight out from the fuse box.

Intelligent Key battery replacement

N08001800085

CAUTION

- Be careful not to allow children to swallow the battery and removed parts.
- An improperly disposed battery can harm the environment. Always confirm local regulations for battery disposal.
- When changing the battery, 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.



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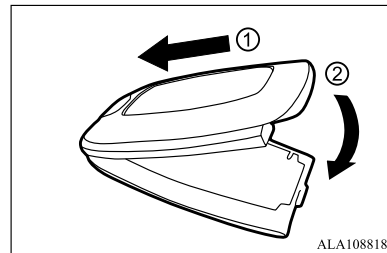
Replace the battery in the Intelligent Key as follows:

1. Remove the mechanical key from the Intelligent Key.
2. Insert a small screwdriver into the slit of the corner and twist it to separate the upper part from the lower part. Use a cloth to protect the casing.

3. Replace the battery with a new one.

Recommended battery:
CR2032 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.



ALA108818

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 its operation.

If you need any assistance for replacement, it is recommended you visit a Nissan Electric Vehicle certified dealer for this service.

FCC Notice:

For USA:

FCC ID: KR5TXPZ1

FCC ID: KR5HFM401

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

⚠ CAUTION

- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

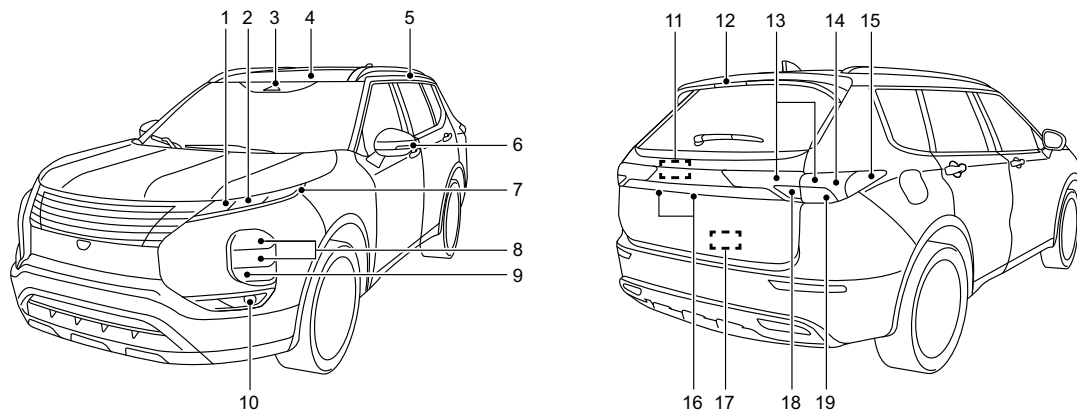
For Canada:

IC: 7812D-TXPZ1

IC: 7812D-HFM401

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.



ALM104902

1. Front turn signal light	5. Rear personal light (if so equipped)	11. Cargo light
2. Front parking light/Day-time Running Light (DRL)	6. Side turn signal light	12. High-mounted stop light
3. Map light	7. Front side marker light	13. Tail light
4. Room light (if so equipped)	8. Headlight (low-beam)	14. Stop light
	9. Headlight (high-beam)	15. Rear side marker light
	10. Front fog light	16. License plate light
		17. Liftgate light

18. Back-up light
19. Rear turn signal light

Exterior lights

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, it is recommended you visit a Nissan Electric Vehicle certified dealer for servicing.

Headlights

Replacing

If LED headlight replacement is required, it is recommended that you visit a Nissan Electric Vehicle certified dealer for this service.

Headlight aim adjustment

The alignment of the headlights should be checked by a Nissan Electric Vehicle certified dealer or a repair facility of your choice.

Exterior and interior lights

CAUTION

- Do not install commercially available LED type bulbs. Commercially available LED type bulbs could adversely affect the operation of the vehicle, such as by preventing the lights and other vehicle equipment from operating properly.
- When replacing a bulb, be sure to use a new bulb of the same type, wattage, and color. If you install a different bulb, the bulb could malfunction or fail to come on and could lead to a vehicle fire.

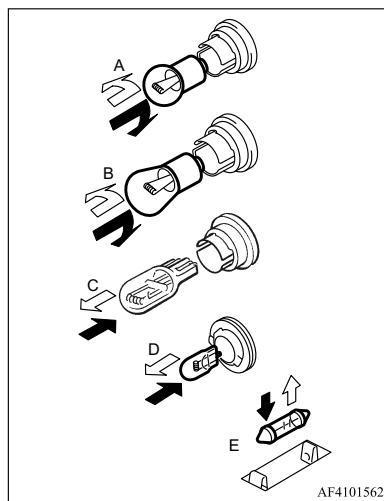
Item	Wattage (w)
Headlight high/low beams*	LED
Front turn signal light*	LED
Front parking light*	LED
Front side marker light*	LED
Front fog light*	LED
Side turn signal light*	LED
Daytime Running Light (DRL)*	LED
Rear turn signal light*	21
Stop/tail light*	LED
Back-up light*	16
Rear side marker light*	LED
License plate light*	LED
Map light*	8
Rear personal light (if so equipped)*	5
Room light (if so equipped)*	8

Lights

Item	Wattage (w)
Vanity mirror light*	5
High-mounted stop light*	LED
Cargo light	5
Glove box light*	1.4
Liftgate light*	5

*: It is recommended you visit a Nissan Electric Vehicle certified dealer for replacement.

Replacement procedures

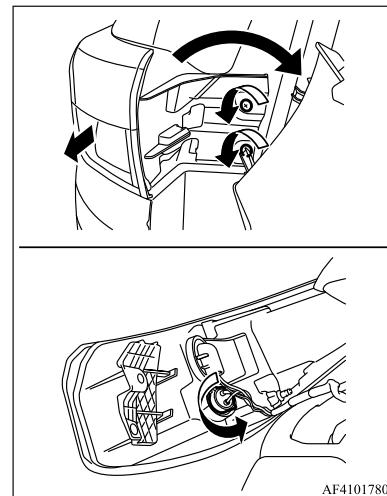


⇨ : REMOVE

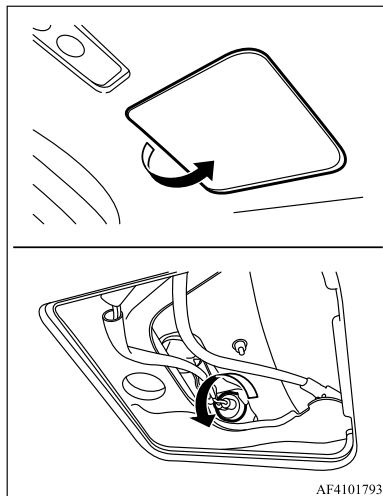
⇨ : INSTALL

All other lights are either type A, B, C, D or E. When replacing a bulb, first remove the lens and/or cover.

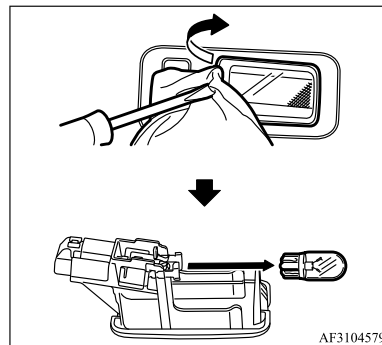
Rear turn signal light



Back-up light



Cargo light



Tires

N08002000039

⚠ WARNING

- Driving with tires that are worn, damaged or improperly inflated is dangerous. These type tire conditions will adversely affect vehicle performance. These type tire conditions can also cause a tread separation or blowout which may result in an accident causing serious injury or death.

WARNING

• **Tires degrade over time with age even when they are not being used.**

It is recommended that tires over 6 years generally be replaced even if damage is not obvious.

It is important to familiarize yourself with the following terms:

• **Cold tire pressure:**

- The measured pressure after the vehicle has been parked for at least three hours, or

- The measured pressure when the vehicle is driven less than 1 mile (1.6 km) after having been parked for three hours.

- **Maximum pressure:** the maximum permissible cold tire inflation pressure for this tire.

- **Recommended inflation pressure:** the inflation pressure for optimum tire performance.

- **Intended outboard sidewall:**

- The sidewall that contains a whitewall, bears white lettering or bears manufacturer, brand, and/or model name molding that is higher or deeper than the same molding on the other sidewall of the tire, or

- The outward facing sidewall of an asymmetrical tire that has a particular side that must always face outward when mounted on a vehicle.

- Passenger car tire: a tire intended for use on passenger cars, multipurpose passenger vehicles, and trucks that have a gross vehicle weight rating (GVWR) of 10,000 pounds or less.
- Light truck (LT) tire: a tire designated by its manufacturer as primarily intended for use on lightweight trucks or multipurpose passenger vehicles.
- Tread: portion of a tire that comes into contact with the road.
- Tread rib: a tread section running circumferentially around a tire.
- Tread separation: pulling away of the tread from the tire carcass.
- Carcass: the tire structure, except tread and sidewall rubber which, when inflated, bears the load.
- Sidewall: portion of a tire between the tread and bead.
- Section width: the linear distance between the exteriors of the sidewalls of an inflated tire, excluding elevations due to labeling, decoration, or protective bands.
- Bead: the part of the tire that is made of steel wires, wrapped or reinforced by ply cords and that is shaped to fit the rim.
- Ply: a layer of rubber-coated parallel cords.
- Cord: the strands forming the plies in the tire.
- Rim: a metal support for a tire or a tire and tube assembly upon which the tire beads are seated.
- Rim diameter: nominal diameter of the bead seat.
- Groove: the space between two adjacent tread ribs.

Tire Pressure Monitoring System (TPMS)

NO8002100056

This vehicle is equipped with the Tire Pressure Monitoring System (TPMS). It monitors tire pressure of all tires. When the low tire pressure warning light is lit, and the "Tire Pressure Low - Add Air" warning message is displayed in the vehicle information display,

Tires

one or more of your tires is significantly under-inflated.

The TPMS will activate only when the vehicle is driven at speeds above 16 MPH (25 km/h). Also, this system may not detect a sudden drop in tire pressure (for example a flat tire while driving).

For more details, see "Low tire pressure warning light" section under "Warning/indicator lights (yellow)" on page 165, "Tire Pressure Monitoring System (TPMS)" on page 341 and "Tire Pressure Monitoring System (TPMS)" on page 514.

Tire checking before driving

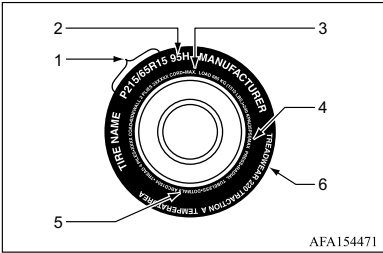
Check all the tires for heavy tread wear or uneven wear patterns. Look for stones, nails, glass, or other objects stuck in the tread. Look for any tread cuts or sidewall cracks. Check the wheel nuts for tightness, and the tires for proper pressure. Replace your

tires before they are heavily worn out.

As your vehicle is equipped with a tire pressure monitoring system (TPMS), there is a risk of damage to the tire inflation pressure sensors when the tire is replaced on the rim. Tire replacement should, only, be performed by a Nissan Electric Vehicle certified dealer.

Tire Markings

Example



1. Size Designation
2. Service Description
3. Maximum Load
4. Maximum Pressure

5. U.S. DOT Safety Standards Code (TIN)
6. Treadwear, Traction and Temperature Grades

Size Designation

EXAMPLE: P215/65R15

P	Passenger car tire size based on U.S.A. design standards
215	Section width in millimeters (mm)
65	Aspect ratio in percent (%) Ratio of section height to section width of tire.
R	Construction code • "R" means radial construction. • "D" means diagonal or bias construction.

15	Rim diameter in inches (in)

NOTE

- European/Japanese metric tire sizing is based on European/Japanese design standards. Tires designed to these standards have the tire size molded into the sidewall beginning with the section width. The letter "P" is absent from this tire size designation.
Example: 215/65R15 96H.

NOTE

- LT (Light Truck) -metric tire sizing is based on U.S.A. design standards. The size designation for LT-metric tires is the same as for P-metric tires except for the letters "LT" that are molded into the sidewall preceding the size designation.
Example: LT235/85R16.

Service Description

EXAMPLE: 95H

95	Load index A numerical code associated with the maximum load a tire can carry.

H	Speed symbol A symbol indicating the range of speeds at which a tire can carry a load corresponding to its load index under certain operating conditions. The maximum speed corresponding to the speed symbol should only be achieved under specified operating conditions. (i.e. tire pressure, vehicle loading, road conditions and posted speed limits)

Maximum Load

Maximum load indicates the maximum load this tire is designed to carry.

⚠ WARNING

Overloading of your tire is dangerous. Overloading can cause tire failure, affect vehicle handling, and increase your stopping distance. Use tires of the recommended load capacity for your vehicle. Never overload them.

Maximum Pressure

Maximum Pressure indicates the maximum permissible cold tire inflation pressure for this tire.

Tire Identification Number (TIN)

The TIN may be found on one or both sides of the

tire but the date code may only be on one side. Look for the TIN on the outboard side of tires as mounted on the vehicle. If the TIN is not found on the outboard side then you will find it on the inboard side of the tire.

EXAMPLE: DOT PP L9 ABCD 1504

DOT	Department of Transportation- This symbol certifies that the tire is in compliance with the U.S. Department of Transportation tire safety standards, and is approved for highway use.

PP	Code representing the tire manufacturing location. (2 digits)
L9 ABC D	Code representing the tire size. (1 to 2 digits) Code used by tire manufacturer. (1 to 4 digits)
15	Number representing the week in which the tire was manufactured. (2 digits)
20	Number representing the year in which the tire was manufactured. (2 digits)

EXAMPLE (13 digits type):
DOT PPP L9 ABCD 1504

DOT	Department of Transportation- This symbol certifies that the tire is in compliance with the U.S. Department of Transportation tire safety standards, and is approved for highway use.
PPP	Code representing the tire manufacturing location. (3 digits)
L9 ABC D	Code used by tire manufacturer. (6 digits)
15	Number representing the week in which the tire was manufactured. (2 digits)

20	Number representing the year in which the tire was manufactured. (2 digits)

Treadwear, Traction and Temperature Grades

Treadwear

The treadwear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course. For example, a tire graded 150 would wear one and onehalf (1-1/2) times as well on the government course as a tire graded 100. The relative performance of tires depends upon the actual

conditions of their use, however, and may depart significantly from the norm due to variations in driving habits, service practices and differences in road characteristics and climate.

Traction

The traction grades, from highest to lowest, are AA, A, B and C. Those grades represent the tire's ability to stop on wet pavement as measured under controlled conditions on specified government test surfaces of asphalt and concrete. A tire marked C may have poor traction performance.

Temperature

The temperature grades are A (the highest), B and C,

representing the tire's resistance to the generation of heat and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel. Sustained high temperature can cause the material of the tire to degenerate and reduce tire life, and excessive temperature can lead to sudden tire failure. The grade C corresponds to a level of performance which all passenger car tires must meet under the Federal Motor Vehicle Safety Standard No. 109. Grades B and A represent higher levels of performance on the laboratory test wheel than the minimum required by law.

Tire inflation pressures

N08002400062

Proper tire inflation pressure is essential for the safe and satisfactory operation of your vehicle. The wrong tire pressure will cause problems in three major areas:

- **Safety**

Too little pressure increases flexing in the tire and can cause tire failure. Too much pressure can cause a tire to lose its ability to cushion shock. Objects on the road and potholes could then cause tire damage that may result in tire failure.

- **Economy**

The wrong tire pressure can cause uneven wear patterns in the tire tread. These abnormal wear patterns will reduce the tread life, and the tire will have to be replaced sooner.

Too little pressure also makes it harder for the tire to roll, and this uses up more fuel.

- **Ride comfort and vehicle stability**

The superior riding experience built into your vehicle partly depends on the correct tire pressure. Too much pressure gives an uncomfortable and jarring ride. Too little pressure feels as if your

vehicle is slow to respond.

Unequal tire pressures can make steering your vehicle uneven and unpredictable.

The tire pressure for your vehicle under normal driving conditions is listed on the placard attached to the driver's door sill.

(Refer to "Tire and loading information placard" on page 606.)

The recommended inflation pressures under normal driving conditions should be used for the tires listed below.

Tire size	Front	Rear
P255/45R20	250 KPA (36 PSI)	250 KPA (36 PSI)

Tire pressures should be checked, and adjusted if necessary, at least once a month.

Pressures should be checked more often whenever weather temperatures change severely, because tire pressures change with outdoor temperatures. The pressures listed are always "cold inflation pressure".

Cold inflation pressure is measured after the vehicle has been parked for at least three hours or is driven less than 1 mile (1.6

km) after having been parked for three hours.

Cold inflation pressure must not go above the maximum values molded into the tire sidewall. After driving several miles, your tire inflation pressure may increase 2 to 6 psi (14 to 41 kPa) from the cold inflation pressure. Do not let air out of the tires to get back to the specified cold pressure, or your tires will be too low. Check your tires each time you refuel. If one tire looks lower than the others, check the pressure for all of them.

You should also take the following safety precautions:

- Keep your tires inflated to the recommended pressures. (See the tire and loading information placard attached to the driver's door sill.)
- Stay within the recommended load limits.
- Make sure that the weight of any load in your vehicle is evenly distributed.
- Drive at safe speeds.
- After filling your tires to the correct pressure, check them for damage and air leaks. Be sure to reinstall the caps on the valve stems.

Replacing tires and wheels

N08002500047

CAUTION

- Avoid using different size tires from the one listed and the combined use of different types of tires, as this can affect driving safety.
Refer to "Wheels and tires" on page 603.
- Always use tires of the same size, same type, and same brand, and which have no wear differences. Using tires that differ in size, type, brand or the degree of wear, will increase the differential oil temperature, resulting in possible damage to the driving system. Further, the drive train will be subjected to excessive loading, possibly leading to oil leakage, component seizure, or other serious problems.

CAUTION

- Only genuine NISSAN wheels should be used, because your vehicle is equipped with a tire pressure monitoring system (TPMS).

In addition, avoid using different size tires from the original tires as this can affect the tire pressure monitoring system (TPMS). This is because TPMS cannot change the low tire pressure warning value calculated from the recommended tire pressure inside the system from the base vehicle.

Use of another type of wheel risks air leaks and sensor damage, as it will not be possible to install the tire pressure sensor properly.

Tire maintenance

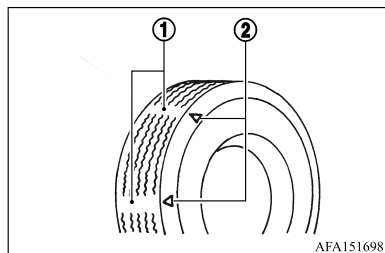
N08002600051

The following maintenance steps are recommended:

- Check tire pressures regularly.
- Have regular maintenance done on the wheel balance and front and rear suspension alignment.
- Rotate your tires regularly as described in the "Tire rotation" on page 569.

Tread wear indicator

N08002700036



AFA151698

- ① Tread wear indicator
- ② Location of the tread wear indicator

Tread wear indicators are built into the original equipment tires on your vehicle to help you know when your tires should be replaced. Many states have laws requiring that you replace your tires at this point.

These indicators are molded into the bottom of the tread grooves and will appear when the tire tread is worn down to 1/16 inch (1.6 mm).

When the bands appear next to one another in two or more places, replace your tires.

NOTE

Tire wear indicators can have different marks and locations depending on the tire manufacturer.

Tire rotation

N08002800079

To even out the wear on your tires and make them last longer, NISSAN recommends that you rotate

your tires at the mileage listed in the "WARRANTY AND MAINTENANCE MANUAL".

However, the timing for tire rotation may vary according to your vehicle condition, road surface conditions, and your own personal driving habits. Any time you notice unusual wear, rotate your tires as soon as possible.

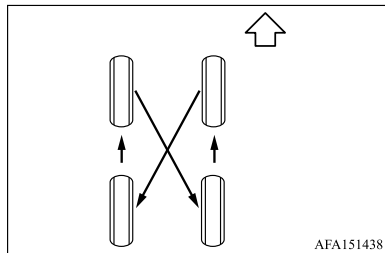
When rotating tires, check for uneven wear, damage, and wheel alignment. Abnormal wear is usually caused by a wrong tire pressure, wheels that are not aligned properly, wheels that are out-of-balance, or severe braking. Check with a Nissan Electric Vehicle certified dealer

Tires

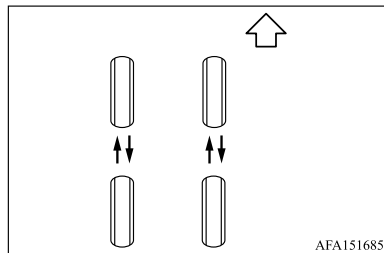
to find out the reason for uneven tread wear.

The first tire rotation is the most important one. It will allow all your tires to wear evenly.

Tires that do not have arrows showing rotation direction



Tires that have arrows showing rotation direction



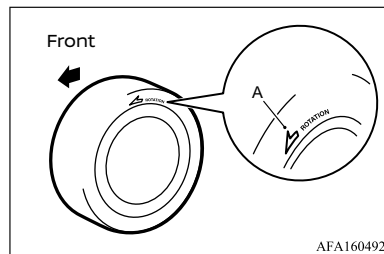
Wheel nut tightening torque:
73 to 93 ft-lb(98 to 127 N·m)

WARNING

- After rotating the tires, do not use the Tire fill notification to adjust the tire pressure. Instead use a gauge to adjust the tires to the correct pressure in accordance with Tire and Loading Information label.
- To ensure proper operation of the Tire fill notification system after a tire rotation, reset and register the sensor to their new installed locations. It is recommended that you visit a Nissan Electric Vehicle certified dealer for this service.

⚠ CAUTION

If the tires have arrows (A) indicating the correct direction of rotation, swap the front and rear tires on the left-hand side of the vehicle and the front and rear tires on the right-hand side of the vehicle separately. Keep each tire on its original side of the vehicle. When installing the tires, make sure the arrows point in the direction in which the wheels will turn when the vehicle moves forward. Any tire whose arrow points in the wrong direction will not perform to its full potential.

**⚠ CAUTION**

Avoid the combined use of different types of tires. Using different types of tires can affect vehicle performance and safety.

Snow tires

N08002900054

In some areas of the country, snow tires are required for winter driving. If snow tires are required in your area, you must choose snow tires of the same size and type as the original tires provided with your vehicle. Snow tires should also be installed on all four

wheels. Otherwise your safety and vehicle handling can be reduced.

Even where laws may permit it, snow tires should not be operated at sustained speeds over 75 MPH (120 km/h).

⚠ CAUTION

Only genuine NISSAN wheels should be used, because your vehicle is equipped with a tire pressure monitoring system (TPMS).

In addition, avoid using different size tires from the original tires as this can affect the tire pressure monitoring system (TPMS). This is because TPMS cannot change the low tire pressure warning value calculated from the recommended tire pressure inside the system from the base vehicle.

Use of another type of wheel risks air leaks and sensor damage, as it will not be possible to install the tire pressure sensor properly.

Tire chains

N08003000023

⚠ CAUTION

Tire chains cannot be used on your vehicle. The clearance between the chains and the body is not sufficient to allow proper clearance, and the vehicle body might be damaged.

Jacking up the vehicle

N08003100066

A jack is not equipped with your vehicle. Please purchase a genuine NISSAN jack designed for your vehicle at a Nissan Electric Vehicle certified dealer.

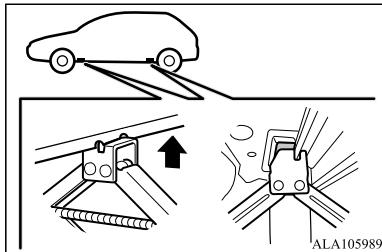
⚠ WARNING

- Be sure to read and follow the instructions in this section and the instruction manual attached with a jack.
- Never use other than genuine NISSAN jack specified designed for your vehicle.
- The genuine NISSAN jack is designed only to lift your vehicle during a tire change.

⚠ WARNING

- Never jack up the vehicle at a location other than the jack-up point that is specified.

Jack-up point



Maintenance and schedules

Maintenance requirement	574
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Maintenance requirement

N08100100053

Some day-to-day and regular maintenance is essential to maintain your vehicle good mechanical condition, as well as its emission and engine 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. You are a vital link in the maintenance chain.

General maintenance

General maintenance includes those items which should be checked during normal day-to-day operation. They are essential for proper vehicle operation. 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 Nissan Electric Vehicle certified dealer.

Scheduled maintenance

The maintenance items listed in this section are required to be serviced at regular intervals. However, under severe driving conditions, additional or more frequent maintenance will be required.

Where to go for service

If maintenance service is required or your vehicle appears to malfunction, have the systems

checked and serviced. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service.

NISSAN technicians are well-trained specialists and are kept up-to-date with the latest service information through technical bulletins, service tips, and training programs. They are completely qualified to work on NISSAN vehicles **before** work begins.

If your vehicle is involved in a collision, it is recommended that you ask your Nissan Electric Vehicle certified dealer.

You can be confident that a Nissan Electric Vehicle certified dealer's service department performs the best job to meet the maintenance requirements on your vehicle.

General maintenance

N08100200054

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 smells, be sure to check for the cause or have it checked promptly. In addition, it is recommended that you visit a Nissan Electric Vehicle certified dealer if you think that repairs are required.

When performing any checks or maintenance work, see "Maintenance precautions" on page 538.

Explanation of general maintenance items

NO8100300055

Additional information on the following items with "" is found in the "Do-it-yourself" section of this manual.

Outside the vehicle

The maintenance items listed here should be performed from time to time, unless otherwise specified.

Doors and engine hood: Check that all doors and the engine hood operate properly. Also ensure that all latches lock securely. Lubricate hinges, latches, latch pins, rollers and links if necessary. Make sure that the secondary latch keeps the hood from opening when the primary latch is released.

When driving in areas using road salt or other corrosive materials, check lubrication frequently.

Lights*: Clean the headlights on a regular basis. Make sure that the headlights, stop lights, tail lights, turn signal lights, and other lights are all operating properly and installed securely. Also check headlight aim.

Road wheel nuts (lug nuts)*: When checking the tires, make sure no wheel nuts are missing, and check for any loose wheel nuts. Tighten if necessary.

Tire rotation*: Tires should be rotated every 7,500 miles (12,000 km).

Tires*: Check the pressure with a gauge often and always prior to

long distance trips. If necessary, adjust the pressure in all tires to the pressure specified. Check carefully for damage, cuts or excessive wear.

Tire Pressure Monitoring System (TPMS) transmitter components: Replace the TPMS transmitter valve when the tires are replaced due to wear or age.

Wheel alignment and balance: If the vehicle should pull to either side while driving on a straight and level road, or if you detect uneven or abnormal tire wear, there may be a need for wheel alignment.

If the steering wheel or seat vibrates at normal highway speeds, wheel balancing may be needed.

Windshield: Clean the windshield on a regular basis. Check the windshield at least every six months for cracks or other damage. Have a damaged windshield replaced by a qualified repair facility.

It is recommended that you have a damaged windshield replaced

General maintenance

by a Nissan Electric Vehicle certified dealer.

Windshield wiper blades*: Check for cracks or wear if they do not wipe properly.

Inside the vehicle

N08100400056

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 the pedal does not catch or require uneven effort. Keep the floor mat away from the pedal.

Brake pedal: Check the pedal for smooth operation. If the brake pedal suddenly goes down further than normal, the pedal feels spongy or the vehicle seems to take longer to stop, have your vehicle checked immediately. It is recommended you visit a Nissan Electric Vehicle certified dealer for

this service. Keep the floor mat away from the pedal.

Brakes: Check that the brakes do not pull the vehicle to one side when applied.

Parking brake: Check the parking brake operation regularly. The vehicle should be securely held on a fairly steep hill with only the parking brake applied. If the parking brake needs adjusted, it is recommended you visit a Nissan Electric Vehicle certified dealer for this service.

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.

■ Cleaning the seat belts

N08100500028

1. Dampen a soft cloth, such as gauze, with a solution containing 2.5% neutral detergent.
2. Gently dab the seat belt with the dampened cloth to remove the dirt.

if the ring has dirt on it, wipe the dirt from the ring also.

3. Rinse the soft cloth with fresh water, thoroughly wring it out, and wipe off the cleaning solution.
4. Before retracting the seat belt that was pulled out for cleaning, make sure that it is sufficiently dry and no dampness remains.



NOTE

Clean the seat belts and rings when they are dirty, or when a seat belt does not retract smoothly.

Seats: Check seat position controls such as seat adjusters, seat-back recliners, etc. to ensure they operate smoothly and that all latches lock securely in every position. Check that the head restraints move up and down smoothly and that the locks (if so equipped) hold securely in all latched positions.

Steering wheel: Check for changes in the steering condi-

tions, such as excessive free play, hard steering or strange noises.

Warning lights and chimes: Make sure that all warning lights and chimes are operating properly.

Windshield defroster: Check that the air comes out of the defroster outlets properly and in sufficient quantity when operating the heater or air conditioner.

Windshield wiper and washer*: Check that the wipers and washers operate properly and that the wipers do not streak.

Under the hood and vehicle

NO8100600058

The maintenance items listed here should be checked periodically (for example, each time you check the engine oil or refuel).

12-volt battery:

NOTE

Care should be taken to avoid situations that can lead to potential battery discharge and potential no-start conditions such as:

1. Installation or extended use of electronic accessories that consume battery power when the Plug-in Hybrid system is not operating (Phone chargers, GPS, DVD players, etc.)
2. Vehicle is not driven regularly and/or only driven short distances.

In these cases, the battery may need to be charged to maintain battery health.

Brake fluid level*: Make sure that the brake fluid level is between the MAX and MIN lines on the reservoir.

Engine and Plug-in Hybrid system coolant (rear motor coolant) level*: Check the coolant level when the engine is cold after parking the vehicle on a level surface.

Engine drive belt*: Make sure that the drive belt is not frayed, worn, cracked or oily.

Engine oil level*: Check the level after parking the vehicle on a level surface and turning off the Plug-in Hybrid system. Wait a few minutes for the oil to drain back into the oil pan.

Exhaust system: Make sure there are no loose supports, cracks or holes. If the sound of the exhaust seems unusual or there is a smell of exhaust fumes, immediately have the exhaust system inspected. It is recommended you visit a Nissan Electric Vehicle certified dealer for this service. (See "Precautions when starting and driving" on page 340 for exhaust gas (carbon monoxide).)

Fluid leaks: Check under the vehicle for fuel, oil, water or other fluid leaks after the vehicle has been parked for a while. Water dripping from the air conditioner after use is normal. If you should notice any leaks or if gasoline fumes are evident, check for the

Explanation of scheduled maintenance items

cause and have it corrected immediately.

Radiator and hoses: Check the front of the radiator and clean off any dirt, insects, leaves, etc., that may have accumulated. Make sure the hoses have no cracks, deformation, rot or loose connections.

Underbody: The underbody is frequently exposed to corrosive substances such as those used on icy roads or to control dust. It is very important to remove these substances, otherwise rust will form on the floor pan, frame, fuel lines and around the exhaust system. At the end of winter, the underbody should be thoroughly flushed with plain water, being careful to clean those areas where mud and dirt may accumulate. For additional information, see "Cleaning exterior" on page 530.

Windshield washer fluid: Check that there is adequate fluid in the reservoir.

Explanation of scheduled maintenance items

NO8101000020

Basic information

The following descriptions are provided to give you a better understanding of the scheduled maintenance items that should be regularly checked or replaced. The maintenance schedule indicates at which mileage/time intervals each item requires service.

In addition to scheduled maintenance, your vehicle requires that some items be checked during normal day-to-day operation. Refer to "General maintenance" on page 574.

Items marked with "*" are recommended by NISSAN for reliable vehicle operation.

You are not required to perform maintenance on these items in order to maintain the warranties

which come with your vehicle. Other maintenance items and intervals are required.

When applicable, additional information can be found in the "Do-it-yourself" section of this manual.



NOTE

NISSAN does not advocate the use of non-OEM approved aftermarket flushing systems and strongly advises against performing these services on a NISSAN product. Many of the aftermarket flushing systems use non-OEM approved chemicals or solvents, the use of which has not been validated by NISSAN.

For recommended fuel, lubricants, fluids, grease, and refrigerant, refer to "Capacities and recommended fluids/lubricants" on page 598 of this manual.

Fuel system:

Check for damage or leakage in the fuel lines and connections. Tighten connections or replace parts as necessary.

Fuel hoses:

Inspect the surface of fuel hoses for heat and mechanical damage, replace parts as necessary.

Air cleaner filter:

Replace at specified intervals. When driving for prolonged periods in dusty conditions, check/replace the filter more frequently.

Evaporative emission control system:

Check for leaks and clogging.

Spark plugs:

Replace at specified intervals. Install new plugs of the type as originally equipped.

Intake and exhaust valve clearance:

Perform the valve clearance check and adjustment at the engine cold state.

Drive belts:

Check the every part of water pump drive belt for damage including cracks or delamination in detail by a visual inspection or touching.

Exhaust system:

- Check for holes and exhaust gas leaks due to damage, corrosion, etc.
- Check the joints and connections for looseness and exhaust gas leaks.
- Check the rubber hangers and brackets for damage.

Engine oil and oil filter:

Replace engine oil and oil filter at the specified intervals. For recommended oil grade and viscosity, refer to "Capacities and recommended fluids/lubricants" on page 598.

Front/Rear motor cooling oil:

Visually inspect for signs of leakage at specified intervals.

- Replace the Rear motor cooling oil every 248,000 miles (400,000km) or 240 months.

Front/Rear transaxle oil:

Visually inspect for signs of leakage at specified intervals.

- Under severe driving conditions, replace the transaxle oil every 30,000 miles (48,000 km) or 24 months.

Engine coolant:

Replace coolant at the specified interval.

For recommended engine coolant, refer to "Capacities and recommended fluids/lubricants" on page 598.

Coolant hoses:

Inspect the surface of radiator hoses and heater hoses for heat and mechanical damage.

High voltage wire:

Check the high voltage wire for loose terminals, twisted wire, cracks and discoloration.

Brake pads and rotors:

Check for wear, deterioration and fluid leaks. Replace any deteriorated or damaged parts immediately.

Brake hoses:

Check brake/clutch fluid lines and parking brake cables for improper attachment, leaks, chafing, abrasions, deterioration, etc.

Brake fluid:

Replace coolant at the specified interval. For recommended brake fluid, refer to "Capacities and recommended fluids/lubricants" on page 598.

Steering gear and linkage, axle and suspension parts, drive shaft boots:

Check for damage, looseness, and leakage of oil or grease.

Tire rotation:

Rotate tires at the specified interval.

In-cabin microfilter:

Replace at specified intervals. When driving for prolonged periods in dusty conditions, replace the filter more frequently.

Emergency tire puncture repair kit:

Check tire repair sealant expiration date.

Maintenance schedules

NO8101100021

Basic information

To help ensure smooth, safe and economical driving, NISSAN provides two maintenance schedules that may be used, depending upon the conditions in which you usually drive. These schedules contain both distance and time intervals, up to 120,000 miles (192,000 km)/96 months.

For most people, the odometer reading will indicate when service is needed. However, if you drive very little, your vehicle should be serviced at the regular time intervals shown in the schedule.

After 120,000 miles (192,000 km)/96 months, continue maintenance at the same mileage/time intervals.

Additional maintenance items for severe operating conditions

Additional maintenance items for severe operating conditions; should be performed on vehicles that are driven under especially demanding conditions. Additional maintenance items should be performed if you primarily operate your vehicle under the following conditions:

- Driving on dusty, rough, muddy or salt-spread roads
- Towing or police, taxi or commercial operation
- Extensive idling and/or low speed operation
- Repeated short-trip operation at freezing temperatures (engine not thoroughly warmed up)
- Extended use of brakes while driving
- Driving in sandy areas

- More than 50 % operation in heavy city traffic during hot weather above 90°F(32°C)

If your vehicle is mainly operated under the severe conditions, follow the severe use maintenance intervals shown in the maintenance schedule.

Maintenance schedules

The following shows the maintenance schedule. Choose the maintenance schedule needed based on your vehicle driving conditions.

After 120,000 miles (192,000 km)/96 months, continue maintenance at the same mileage/time interval.

3,750 miles/(6,000 km)/
3 months

Perform at number of miles, kilometers or months, whichever comes first.

Standard maintenance

Not Applicable Proceed to next interval

Severe use maintenance

Inspections:

- Brake pads and rotors
- Steering gear and linkage
- Axle and suspension parts
- In-cabin microfilter

Essential:

- Replace engine oil and oil filter
- Tire rotation

7,500 miles/(12,000 km)/
6 months

Perform at number of miles, kilometers or months, whichever comes first.

Standard maintenance

Inspections:

- Brake pads and rotors
- Brake hoses
- Emergency tire puncture repair kit (1)

Essential:

- Replace engine oil and oil filter
- Tire rotation

Severe use maintenance:

Inspections:

- Steering gear and linkage
- Axle and suspension parts
- In-cabin microfilter

Essential:

- Replace In-cabin microfilter

(1) Perform maintenance based on the number of months.

11,250 miles/(18,000 km)/
9 months

Perform at number of miles, kilometers or months, whichever comes first.

Standard maintenance

Not Applicable Proceed to next interval

Severe use maintenance

Inspections:

- Brake pads and rotors
- Steering gear and linkage
- Axle and suspension parts
- In-cabin microfilter

Essential:

- Replace engine oil and oil filter
- Tire rotation

15,000 miles/(24,000 km)
/12 months

Perform at number of miles, kilometers or months, whichever comes first.

Standard maintenance

Inspections:

- Front motor cooling oil
- Rear motor coolant
- Front/Rear transaxle oil
- Brake pads and rotors
- Brake hoses
- Steering gear and linkage
- Drive shaft boots
- Axle and suspension parts
- Emergency tire puncture repair kit (1)
- Intelligent Key battery *(1)

Essential:

- Replace engine oil and oil filter
- Tire rotation
- Replace In-cabin microfilter

Severe use maintenance

Essential:

- Replace air cleaner filter

* Maintenance items and intervals with "*" are recommended by NISSAN for reliable vehicle operation. The owner need not perform such maintenance in order to maintain the emission warranty or manufacturer recall liability. Other maintenance items and intervals are required.
(1) Perform maintenance based on the number of months.

Maintenance schedules

18,750 miles/(30,000 km)
/15 months

Perform at number of miles, kilometers or months, whichever comes first.

Standard maintenance

Not Applicable Proceed to next interval

Severe use maintenance

Inspections:

- Brake pads and rotors
- Steering gear and linkage
- Axle and suspension parts
- In-cabin microfilter

Essential:

- Replace engine oil and oil filter
- Tire rotation

22,500 miles/(36,000 km)
/18 months

Perform at number of miles, kilometers or months, whichever comes first.

Standard maintenance

Inspections:

- Brake pads and rotors
- Brake hoses
- Emergency tire puncture repair kit (1)

Essential:

- Replace engine oil and oil filter
- Tire rotation

Severe use maintenance

Inspections:

- Steering gear and linkage
- Axle and suspension parts
- In-cabin microfilter

Essential:

- Replace In-cabin microfilter

(1) Perform maintenance based on the number of months.

26,250 miles/(42,000 km)
/21 months

Perform at number of miles, kilometers or months, whichever comes first.

Standard maintenance

Not Applicable Proceed to next interval

Severe use maintenance

Inspections:

- Brake pads and rotors
- Steering gear and linkage
- Axle and suspension parts
- In-cabin microfilter

Essential:

- Replace engine oil and oil filter
- Tire rotation

30,000 miles/(48,000 km)
/24 months

Perform at number of miles, kilometers or months, whichever comes first.

Standard maintenance

Inspections:

- Fuel hoses*
- Drive belts
- Exhaust system*
- Front motor cooling oil
- Rear motor coolant
- Front/Rear transaxle oil
- Coolant hoses
- High voltage wire
- Brake pads and rotors
- Brake hoses
- Steering gear and linkage
- Drive shaft boots
- Axle and suspension parts
- Emergency tire puncture repair kit (1)

Essential:

- Replace air cleaner filter
- Replace engine oil and oil filter
- Replace brake fluid
- Tire rotation
- Replace In-cabin microfilter
- Replace Intelligent Key battery *(1)

Severe use maintenance

Essential:

- Replace front/rear transaxle oil

* Maintenance items and intervals with "*" are recommended by NISSAN for reliable vehicle operation. The owner need not perform such maintenance in order to maintain the emission warranty or manufacturer recall liability. Other maintenance items and intervals are required.
(1) Perform maintenance based on the number of months.

33,750 miles/(54,000 km)
/27 months

Perform at number of miles, kilometers or months, whichever comes first.

Standard maintenance

Not Applicable Proceed to next interval

Severe use maintenance

Inspections:

- Brake pads and rotors
- Steering gear and linkage
- Axle and suspension parts
- In-cabin microfilter

Essential:

- Replace engine oil and oil filter
- Tire rotation

Maintenance schedules

37,500 miles/(60,000 km)
/30 months

Perform at number of miles, kilometers or months, whichever comes first.

Standard maintenance

Inspections:

- Brake pads and rotors
- Brake hoses
- Emergency tire puncture repair kit (1)

Essential:

- Replace engine oil and oil filter
- Tire rotation

Severe use maintenance

Inspections:

- Steering gear and linkage
- Axle and suspension parts
- In-cabin microfilter

Essential:

- Replace In-cabin microfilter

(1) Perform maintenance based on the number of months.

41,250 miles/(66,000 km)/
33 months

Perform at number of miles, kilometers or months, whichever comes first.

Standard maintenance

Not Applicable Proceed to next interval

Severe use maintenance

Inspections:

- Brake pads and rotors
- Steering gear and linkage
- Axle and suspension parts
- In-cabin microfilter

Essential:

- Replace engine oil and oil filter
- Tire rotation

45,000 miles/(72,000 km)
/36 months

Perform at number of miles, kilometers or months, whichever comes first.

Standard maintenance

Inspections:

- Front motor cooling oil
- Rear motor coolant
- Front/Rear transaxle oil
- Brake pads and rotors
- Brake hoses
- Steering gear and linkage
- Drive shaft boots
- Axle and suspension parts
- Emergency tire puncture repair kit (1)

Essential:

- Replace engine oil and oil filter
- Tire rotation
- Replace In-cabin microfilter
- Replace Intelligent Key battery *(1)

Severe use maintenance

Essential:

- Replace air cleaner filter

* Maintenance items and intervals with "*" are recommended by NISSAN for reliable vehicle operation. The owner need not perform such maintenance in order to maintain the emission warranty or manufacturer recall liability. Other maintenance items and intervals are required.
(1) Perform maintenance based on the number of months.

48,750 miles/(78,000 km)
/39 months

Perform at number of miles, kilometers or months, whichever comes first.

Standard maintenance

Not Applicable Proceed to next interval

Severe use maintenance

Inspections:

- Brake pads and rotors
- Steering gear and linkage
- Axle and suspension parts
- In-cabin microfilter

Essential:

- Replace engine oil and oil filter
- Tire rotation

52,500 miles/(84,000 km)
/42 months

Perform at number of miles, kilometers or months, whichever comes first.

Standard maintenance

Inspections:

- Brake pads and rotors
- Brake hoses
- Emergency tire puncture repair kit (1)

Essential:

- Replace engine oil and oil filter
- Tire rotation

Severe use maintenance

Inspections:

- Steering gear and linkage
- Axle and suspension parts
- In-cabin microfilter

Essential:

- Replace In-cabin microfilter

(1) Perform maintenance based on the number of months.

Maintenance schedules

56,250 miles/(90,000 km)
/45 months

Perform at number of miles, kilometers or months, whichever comes first.

Standard maintenance

Not Applicable Proceed to next interval

Severe use maintenance

Inspections:

- Brake pads and rotors
- Steering gear and linkage
- Axle and suspension parts
- In-cabin microfilter

Essential:

- Replace engine oil and oil filter
- Tire rotation

60,000 miles/(96,000 km)
/48 months

Perform at number of miles, kilometers or months, whichever comes first.

Standard maintenance

Inspections:

- Fuel system
- Fuel hoses*
- Evaporative emission control system
- Intake and exhaust valve clearance
- Drive belts
- Exhaust system*
- Front motor cooling oil
- Rear motor coolant
- Front/Rear transaxle oil
- Coolant hoses
- High voltage wire
- Brake pads and rotors
- Brake hoses
- Steering gear and linkage
- Drive shaft boots
- Axle and suspension parts
- Replace Intelligent Key battery *(1)

Essential:

- Replace air cleaner filter
- Replace engine oil and oil filter
- Replace brake fluid
- Tire rotation
- Replace In-cabin microfilter
- Replace Intelligent Key battery *(1)

Severe use maintenance

Essential:

- Replace front/rear transaxle oil

* Maintenance items and intervals with "*" are recommended by NISSAN for reliable vehicle operation. The owner need not perform such maintenance in order to maintain the emission warranty or manufacturer recall liability. Other maintenance items and intervals are required.
(1) Perform maintenance based on the number of months.

63,750 miles/(102,000 km)
/51 months

Perform at number of miles, kilometers or months, whichever comes first.

Standard maintenance

Not Applicable Proceed to next interval

Severe use maintenance

Inspections:

- Brake pads and rotors
- Steering gear and linkage
- Axle and suspension parts
- In-cabin microfilter

Essential:

- Replace engine oil and oil filter
- Tire rotation

67,500 miles/
(108,000 km)/54 months

Perform at number of miles, kilometers or months, whichever comes first.

Standard maintenance

Inspections:

- Brake pads and rotors
- Brake hoses
- Emergency tire puncture repair kit (1)

Essential:

- Replace engine oil and oil filter
- Tire rotation

Severe use maintenance

Inspections:

- Steering gear and linkage
- Axle and suspension parts
- In-cabin microfilter

Essential:

- Replace In-cabin microfilter

(1) Perform maintenance based on the number of months.

71,250 miles/(114,000 km)
/57 months

Perform at number of miles, kilometers or months, whichever comes first.

Standard maintenance

Not Applicable Proceed to next interval

Severe use maintenance

Inspections:

- Brake pads and rotors
- Steering gear and linkage
- Axle and suspension parts
- In-cabin microfilter

Essential:

- Replace engine oil and oil filter
- Tire rotation

Maintenance schedules

75,000 miles/
(120,000 km)/60 months
Perform at number of miles, kilometers or months, whichever comes first.

Standard maintenance

Inspections:

- Front motor cooling oil
- Rear motor coolant
- Front/Rear transaxle oil
- Brake pads and rotors
- Brake hoses
- Steering gear and linkage
- Drive shaft boots
- Axle and suspension parts
- Emergency tire puncture repair kit (1)

Essential:

- Replace engine oil and oil filter
- Tire rotation
- Replace In-cabin microfilter
- Replace Intelligent Key battery *(1)

Severe use maintenance

Essential:

- Replace air cleaner filter

* Maintenance items and intervals with "*" are recommended by NISSAN for reliable vehicle operation. The owner need not perform such maintenance in order to maintain the emission warranty or manufacturer recall liability. Other maintenance items and intervals are required.
(1) Perform maintenance based on the number of months.

78,750 miles/(126,000 km)
/63 months

Perform at number of miles, kilometers or months, whichever comes first.

Standard maintenance

Not Applicable Proceed to next interval

Severe use maintenance

Inspections:

- Brake pads and rotors
- Steering gear and linkage
- Axle and suspension parts
- In-cabin microfilter

Essential:

- Replace engine oil and oil filter
- Tire rotation

82,500 miles/
(132,000 km)/66 months
Perform at number of miles, kilometers or months, whichever comes first.

Standard maintenance

Inspections:

- Brake pads and rotors
- Brake hoses
- Emergency tire puncture repair kit (1)

Essential:

- Replace engine oil and oil filter
- Tire rotation

Severe use maintenance

Inspections:

- Steering gear and linkage
- Axle and suspension parts
- In-cabin microfilter

Essential:

- Replace In-cabin microfilter

(1) Perform maintenance based on the number of months.

86,250 miles/
(138,000 km)/69 months
Perform at number of miles, kilometers or months, whichever comes first.

Standard maintenance

Not Applicable Proceed to next interval

Severe use maintenance

Inspections:

- Brake pads and rotors
- Steering gear and linkage
- Axle and suspension parts
- In-cabin microfilter

Essential:

- Replace engine oil and oil filter
- Tire rotation

90,000 miles/
(144,000 km)/72 months
Perform at number of miles, kilometers or months, whichever comes first.

Standard maintenance

Inspections:

- Fuel hoses*
- Drive belts
- Exhaust system*
- Front motor cooling oil
- Rear motor coolant
- Front/Rear transaxle oil
- Coolant hoses
- High voltage wire
- Brake pads and rotors
- Brake hoses
- Steering gear and linkage
- Drive shaft boots
- Axle and suspension parts
- Emergency tire puncture repair kit (1)

Maintenance schedules

Essential:

- Replace air cleaner filter
- Replace engine oil and oil filter
- Replace brake fluid
- Tire rotation
- Replace In-cabin microfilter
- Replace Intelligent Key battery *(1)

Severe use maintenance

Essential:

- Replace front/rear transaxle oil

* Maintenance items and intervals with "s" are recommended by NISSAN for reliable vehicle operation. The owner need not perform such maintenance in order to maintain the emission warranty or manufacturer recall liability. Other maintenance items and intervals are required.
(1) Perform maintenance based on the number of months.

93,750 miles/(150,000 km)
/75 months

Perform at number of miles, kilometers or months, whichever comes first.

Standard maintenance

Not Applicable Proceed to next interval

Severe use maintenance

Inspections:

- Brake pads and rotors
- Steering gear and linkage
- Axle and suspension parts
- In-cabin microfilter

Essential:

- Replace engine oil and oil filter
- Tire rotation

97,500 miles/(156,000 km)
/78 months

Perform at number of miles, kilometers or months, whichever comes first.

Standard maintenance

Inspections:

- Brake pads and rotors
- Brake hoses
- Emergency tire puncture repair kit (1)

Essential:

- Replace engine oil and oil filter
- Tire rotation

Severe use maintenance

Inspections:

- Steering gear and linkage
- Axle and suspension parts
- In-cabin microfilter

Essential:

- Replace In-cabin microfilter

(1) Perform maintenance based on the number of months.

101,250 miles/
(162,000 km)/81 months
Perform at number of miles, kilo-
meters or months, whichever
comes first.

Standard maintenance

Not Applicable Proceed to next
interval

Severe use maintenance

Inspections:

- Brake pads and rotors
- Steering gear and linkage
- Axle and suspension parts
- In-cabin microfilter

Essential:

- Replace engine oil and oil filter
- Tire rotation

105,000 miles/
(168,000 km)/84 months
Perform at number of miles, kilo-
meters or months, whichever
comes first.

Standard maintenance

Inspections:

- Front motor cooling oil
- Rear motor coolant
- Front/Rear transaxle oil
- Brake pads and rotors
- Brake hoses
- Steering gear and linkage
- Drive shaft boots
- Axle and suspension parts
- Emergency tire puncture repair kit (1)

Essential:

- Replace spark plugs (2)
- Replace engine oil and oil filter
- Tire rotation
- Replace In-cabin microfilter
- Replace Intelligent Key battery *(1)

Severe use maintenance

Essential:

- Replace air cleaner filter

* Maintenance items and intervals with "*" are recommended by NISSAN for reliable vehicle operation. The owner need not perform such maintenance in order to maintain the emission warranty or manufacturer recall liability. Other maintenance items and intervals are required.
(1) Perform maintenance based on the number of months.
(2) Perform maintenance based on mileage only.

Maintenance schedules

108,750 miles/
(174,000 km)/87 months
Perform at number of miles, kilometers or months, whichever comes first.

Standard maintenance

Not Applicable Proceed to next interval

Severe use maintenance

Inspections:

- Brake pads and rotors
- Steering gear and linkage
- Axle and suspension parts
- In-cabin microfilter

Essential:

- Replace engine oil and oil filter
- Tire rotation

112,500 miles/
(180,000 km)/90 months
Perform at number of miles, kilometers or months, whichever comes first.

Standard maintenance

Inspections:

- Brake pads and rotors
- Brake hoses
- Emergency tire puncture repair kit (1)

Essential:

- Replace engine oil and oil filter
- Tire rotation

Severe use maintenance

Inspections:

- Steering gear and linkage
- Axle and suspension parts
- In-cabin microfilter

Essential:

- Replace In-cabin microfilter

(1) Perform maintenance based on the number of months.

116,250 miles/
(186,000 km)/93 months
Perform at number of miles, kilometers or months, whichever comes first.

Standard maintenance

Not Applicable Proceed to next interval

Severe use maintenance

Inspections:

- Brake pads and rotors
- Steering gear and linkage
- Axle and suspension parts
- In-cabin microfilter

Essential:

- Replace engine oil and oil filter
- Tire rotation

120,000 miles/
(192,000 km)/96 months
Perform at number of miles, kilo-
meters or months, whichever
comes first.

Standard maintenance

Inspections:

- Fuel system
- Fuel hoses*
- Evaporative emission control system
- Intake and exhaust valve clearance
- Drive belts
- Exhaust system*
- Front motor cooling oil
- Rear motor coolant
- Front/Rear transaxle oil
- Coolant hoses
- High voltage wire
- Brake pads and rotors
- Brake hoses
- Steering gear and linkage
- Drive shaft boots
- Axle and suspension parts
- Emergency tire puncture repair kit (1)

Essential:

- Replace air cleaner filter
- Replace engine oil and oil filter
- Replace engine coolant (2)
- Replace brake fluid
- Tire rotation
- Replace In-cabin microfilter
- Replace Intelligent Key battery *(1)

Severe use maintenance

Essential:

- Replace air cleaner filter
- Replace front/rear transaxle oil

* Maintenance items and intervals with "*" are recommended by NISSAN for reliable vehicle operation. The owner need not perform such maintenance in order to maintain the emission warranty or manufacturer recall liability. Other maintenance items and intervals are required.
(1) Perform maintenance based on the number of months.
(2) First replacement interval is 120,000 miles (192,000 km) or 96 months. After first replacement, replace every 90,000 miles (144,000 km) or 72 months.

Additional information

NOTE FOR REAR MOTOR COOL-
ANT:

Replace the Rear motor cooling
oil every 248,000
miles(400,000km) or 240
months.

Technical and consumer information/Reporting Safety Defects

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Capacities and recommended fluids/lubricants

N08200100083

The following are approximate capacities. The actual refill capacities may be a little different. When refilling, follow the procedure instructed in the "Do-it-yourself" section to determine the proper refill capacity.

Fluid type		Capacity (approximate)		Recommended Fluids/Lubricants
		Metric Measure	US Measure	
Fuel		56 L	14.8 gal	● See "Fuel selection" on page 37.
Engine oil* ¹ Drain and refill ^{*1} : For additional information, see "Changing engine oil and filter" on page 544.	With oil filter change	4.7 L	5.0 qt	● Genuine NISSAN Motor Oil 0W-20 SP (or equivalent, or higher) is recommended. ● If the above motor oil (or engine oil) is not available, a synthetic 0W-20 GF-6A SP (or higher) motor oil (or engine oil) may be used. Damage caused by the use of motor oil (or engine oil) other than as recommended is not covered under NISSAN's New Vehicle Limited Warranty. For additional information, see "Engine oil and oil filter recommendation" on page 600.
	Without oil filter change	4.4 L	4.7 qt	
Engine coolant	With reservoir	8.8 L	9.3 qt	● Pre-diluted Genuine NISSAN Long Life Anti-freeze/Coolant (blue) or equivalent
	Reservoir	0.8 L	0.85 qt	

Fluid type		Capacity (approximate)		Recommended Fluids/Lubricants
		Metric Measure	US Measure	
Plug-in Hybrid system coolant (rear motor coolant)	Includes 0.5 qt (0.52L) in the reserve tank	4.7 L	5 qt	● Pre-diluted Genuine NISSAN Long Life Anti-freeze/Coolant (blue) or equivalent
Front motor fluid		2.4 L	2.5 qt	● Genuine NISSAN CVT Fluid NS-3
Transaxle fluid	Front transaxle	2.47 L	2.61 qt	● Genuine NISSAN Matic J ATF
	Rear transaxle	0.85 L	0.898 qt	
Brake fluid		Refill to the proper oil level according to the instructions in the "Do-it-yourself" section.		● Genuine NISSAN Brake Fluid DOT3 or DOT4
Multi-purpose grease		—	—	● NLGI No. 2 (Lithium soap base)
Air conditioning system refrigerant		—	—	● See "Air conditioner specification label" on page 607 for air conditioner specification label. ● HFO-1234yf (R-1234yf)
Windshield-washer fluid		3.5 L	3.7 qt	● Genuine NISSAN Windshield Washer Concentrate Cleaner & Antifreeze or equivalent

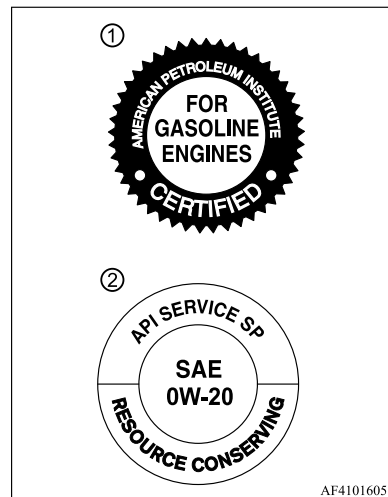
Fuel information

N08200200055

See "Fuel selection" on page 37.

Engine oil and oil filter recommendation

N08200300072



- ① ILSAC certification symbol
- ② API service symbol

Selecting the correct oil

It is essential to choose the correct grade, quality, and viscosity engine oil to ensure satisfactory engine life and performance, see "Capacities and recommended fluids/lubricants" on page 598. NISSAN recommends the use of an energy conserving oil in order to improve fuel economy. Select only engine oils that meet the American Petroleum Institute (API) certification or International Lubricant Standardization and Approval Committee (ILSAC) certification and SAE viscosity standard. These oils have the API certification mark on the front of the container. Oils which do not have the specified quality label should not be used as they could cause engine damage.

Oil additives

NISSAN does not recommend the use of oil additives. The use of an oil additive is not necessary when

the proper oil type is used and maintenance intervals are followed.

Oil which may contain foreign matter or has been previously used should not be used.

Oil viscosity

The engine oil viscosity or thickness changes with temperature. Because of this, it is important to select the engine oil viscosity based on the temperatures at which the vehicle will be operated before the next oil change. Choosing an oil viscosity other than that recommended could cause serious engine damage.

Selecting the correct oil filter

Your new NISSAN vehicle is equipped with a high-quality genuine NISSAN oil filter. When replacing, use a genuine NISSAN oil filter or its equivalent for the reason described in "Change intervals".

Change intervals

The oil and oil filter change intervals for your engine are based on the use of the specified quality oils and filters. Using an engine oil and filter other than the specified quality, or exceeding recommended oil and filter change intervals could reduce engine life. Damage to the engine caused by improper maintenance or use of incorrect oil and filter quality and/or viscosity is not covered by the NISSAN new vehicle limited warranty.

Your engine was filled with a high quality engine oil when it was built. You do not have to change the oil before the first recommended change interval.

Oil and filter change intervals depend upon how you use your vehicle. Operation under the following conditions may require more frequent oil and filter changes:

- repeated short distance driving at cold outside temperatures
- driving in dusty conditions
- extensive idling
- stop and go commuting

(See "General maintenance" on page 574.)

Air conditioner system refrigerant and lubricant recommendations

N08200400060

The air conditioner system in your NISSAN vehicle must be charged with the specified refrigerant and compressor oil or equivalent. See the air conditioner specification label. (See "Air conditioner specification label" on page 607.)

- HFO-1234yf (R-1234yf)
- A/C system oil ND-OIL11(POE) or equivalent

CAUTION

The use of any other refrigerant or oil may cause severe damage to the air conditioner system and may require the replacement of all air conditioner system components.

The refrigerant HFO-1234yf (R-1234yf) 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 conditioner system service. A Nissan Electric Vehicle certified dealer has the trained technicians and equipment needed to recover and recycle your air conditioner system refrigerant.

It is recommended you visit a Nissan Electric Vehicle certified dealer when servicing your air conditioner system.

Specifications

N08200500061

Engine

Engine model		4B12
Engine displacement		144.0 CID (2,360 cm ³)
No. of cylinders and cylinder arrangement		Inline-4
Bore		3.46 in (88.0 mm)
Stroke		3.82 in (97.0 mm)
Compression ratio		11.8
Thermostat valve opening temperature		188.6 °F (87.0 °C)
Spark plugs	NGK	SILMAR6G8GS
Spark plug gap		.028 to .031 in (0.7 to 0.8 mm)
Firing order		1-3-4-2

Wheels and tires

N08200600088

Road wheel

Type	Size	Offset (Inset) in (mm)
Conventional	20 x 8J	1.38 (35)
Spare	-	

Tire

Type	Size	Pressure PSI (kPa) [Cold]
Conventional	P255/45R20 101W	36 (250)
Spare	-	

Dimensions and weights

N08200700076

Overall length	in (mm)	185.4 (4,710)
Overall width	in (mm)	73.3 (1,862)
Overall height	in (mm)	68.7 (1,745)
Front tread	in (mm)	62.7 (1,593)
Rear tread	in (mm)	63.0 (1,600)
Wheelbase	in (mm)	106.5 (2,706)
Gross Vehicle Weight Rating (GVWR)	lb (kg)	See the F.M.V.S.S. or C.M.V.S.S. certification label on the driver's side center pillar.
Gross Axle Weight Rating (GAWR)		
Front	lb (kg)	
Rear	lb (kg)	
Seating capacity		7 persons

12-volt battery

N08200800035

12-volt battery	Type	L1 CONV
	Capacity (20HR)	50 Ah
	CCA (EN)	420 A

When traveling or registering in another country

N08200900049

When planning to travel in another country, you should first find out if the fuel available is suitable for your vehicle's engine.

Using fuel with an octane rating that is too low may cause engine damage. All gasoline vehicles must be operated with unleaded gasoline. Therefore, avoid taking your vehicle to areas where appropriate fuel is not available.

When transferring the registration of your vehicle to another country, state, province or district, it may be necessary to modify the vehicle to meet local laws and regulations.

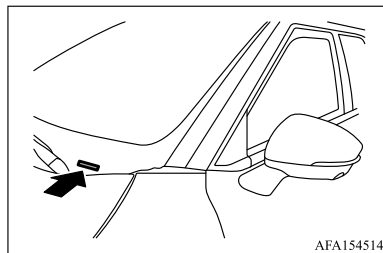
The laws and regulations for motor vehicle emission control and safety standards vary according to the country, state, province or district; therefore, vehicle specifications may differ.

When any vehicle is to be taken into another country, state, province or district and registered, its modifications, transportation, and registration are the responsibility of the user. **NISSAN** is not responsible for any inconvenience that may result.

Vehicle identification

N08201000021

Vehicle Identification Number (VIN) plate

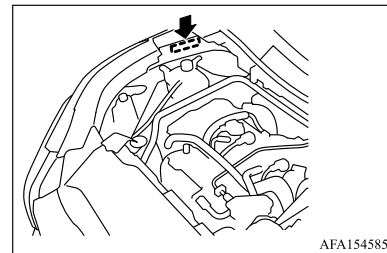


AFA154514

The vehicle identification number plate is attached as shown. This number is the identification for

your vehicle and is used in the vehicle registration.

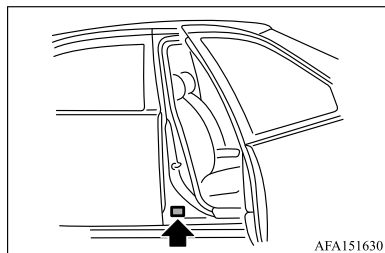
Vehicle identification number (chassis number)



AFA154585

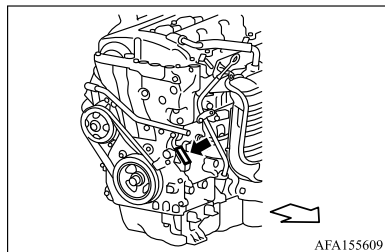
The vehicle identification number is located on the right side of the engine compartment as shown.

Vehicle information code plate



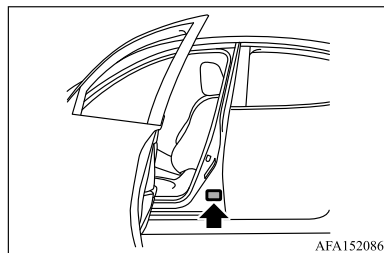
The vehicle information code plate is located as shown.

Engine model/serial number



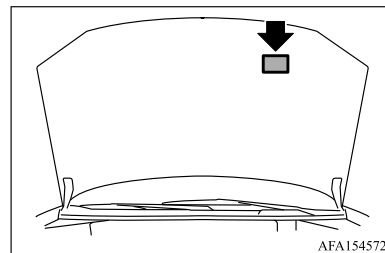
The engine model and serial number are stamped on the engine cylinder block as shown in the illustration.

F.M.V.S.S./C.M.V.S.S. certification label



The Federal/Canadian Motor Vehicle Safety Standards (F.M.V.S.S./C.M.V.S.S.) certification label is affixed as shown. This label contains valuable vehicle information, such as: Gross Vehicle Weight Ratings (GVWR), Gross Axle Weight Rating (GAWR), month and year of manufacture, Vehicle Identification Number (VIN), etc. Review it carefully.

Emission control information label

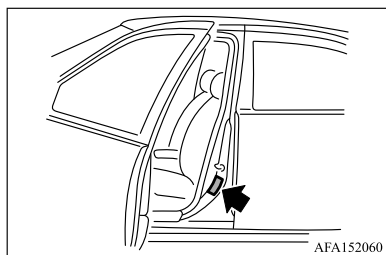


The emission control information label is attached to the underside of the hood as shown.

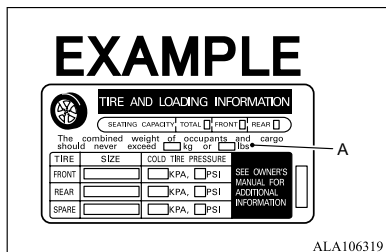
Tire and loading information placard

N08201100035

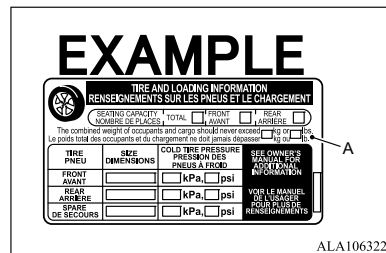
The tire and loading information placard is located on the driver's door sill.



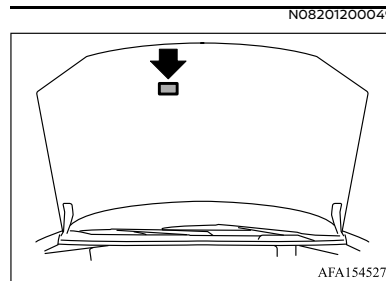
Type 1



Type 2



Air conditioner specification label



The air conditioner specification label is affixed to the underside of the hood as shown.

Air conditioner specification label symbols

Air conditioner specification label symbols:

Symbol Name	Reference	Graphic
Caution	ISO 7000 0434	
Air conditioner System (MAC)	ISO 2575 D01	
MAC System Lubricant Type (PAG-POE)	SAE J639 ISO 7000	
Requires Registered Technician to Service MAC System	SAE J639 ISO 7000	
Flammable Refrigerant	SAE J639 ISO 7000	

Vehicle loading information

N08201300079

WARNING

- **It is extremely dangerous to ride in a cargo area inside the vehicle. In a collision, people riding in these areas are more likely to be seriously injured or killed.**
- **Do not allow people to ride in any area of your vehicle that is not equipped with seats and seat belts.**
- **Be sure everyone in your vehicle is in a seat and using a seat belt properly.**

Terms

It is important to familiarize yourself with the following terms before loading your vehicle:

- Vehicle maximum load on the tire: load on an individual tire that is determined by distributing to each axle its share of the maximum loaded vehicle weight and dividing by two.
- Vehicle normal load on the tire: load on an individual tire that is determined by distributing to each axle its share of the curb weight, accessory weight, and normal occupant weight and dividing by two.
- Maximum loaded vehicle weight: the sum of -
 - Curb weight;
 - Accessory weight;
 - Vehicle capacity weight; and
 - Production options weight.
- Curb weight: the weight of a motor vehicle with standard equipment including the maximum capacity of fuel, oil, and coolant.

- Accessory weight: the combined weight (in excess of those standard items which may be replaced) of automatic transaxle, power steering, power brakes, power windows, power seats, radio, and heater, to the extent that these items are available as factory-installed equipment (whether installed or not).
- Vehicle capacity weight: the rated cargo and luggage load plus 150 lb (68 kg) *times the vehicle's designated seating capacity.
- Production options weight: the combined weight of those installed regular production options weighing over 5 lb (2.3 kg) in excess of those standard items which they replace, not previously considered in curb weight or accessory weight, including heavy duty brakes, ride levelers, roof rack, heavy duty battery, and special trim.
- Normal occupant weight: 150 lbs (68 kg) *times the number of specified occupants (3 in the case of your vehicle)
- Occupant distribution: Occupant distribution within the passenger compartment (In your vehicle the distribution is 2 in front, 1 in 2nd row seat)
- GVW (Gross Vehicle Weight) - curb weight plus the combined weight of passengers and cargo.
- GVWR (Gross Vehicle Weight Rating) - maximum total combined weight of the unloaded vehicle, passengers, luggage, hitch, trailer tongue load and any other optional equipment. This information is located on the F.M.V.S.S./C.M.V.S.S. label.

Vehicle loading information

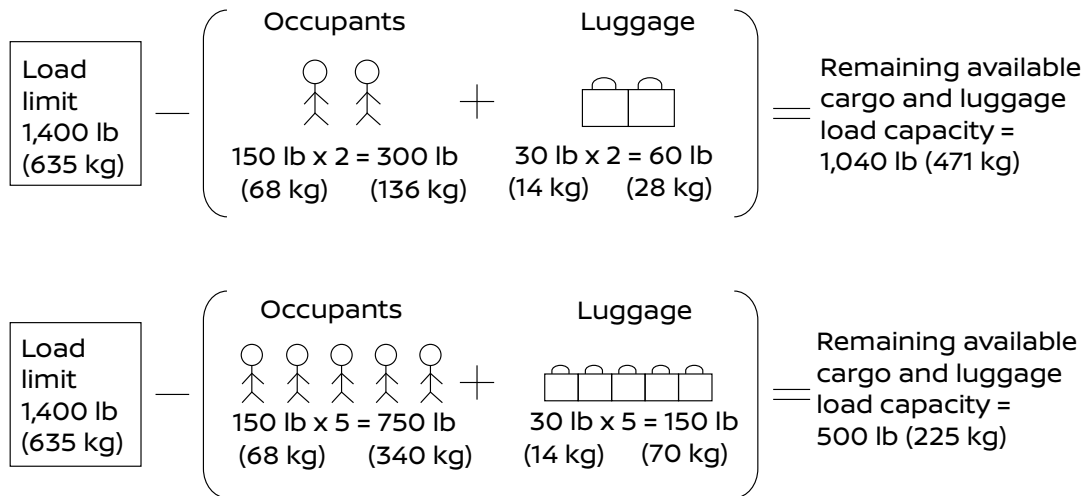
- GAWR (Gross Axle Weight Rating) - maximum weight (load) limit specified for the front or rear axle. This information is located on the F.M.V.S.S./C.M.V.S.S. label.
 - GCWR (Gross Combined Weight Rating) - The maximum total weight rating of the vehicle, passengers, cargo, and trailer.
 - Vehicle Capacity Weight, Load limit, Total load capacity - maximum total weight limit specified of the load (passengers and cargo) for the vehicle. This is the maximum combined weight of occupants and cargo that can be loaded into the vehicle. If the vehicle is used to tow a trailer, the trailer tongue weight must be included as part of the cargo load. This information is located on the Tire and Loading Information placard.
 - Cargo capacity - permissible weight of cargo, the subtracted weight of occupants from the load limit.
- *:150 lbs (68 kg) is the weight of one person as defined by U.S.A. and Canadian regulations.

Vehicle load capacity

Do not exceed the load limit of your vehicle shown as "The combined weight of occupants and cargo" on the Tire and Loading Information placard. Do not exceed the number of occupants shown as "Seating Capacity" on the Tire and Loading Information placard. To get "the combined weight of occupants and cargo", add the weight of all occupants, then add the total luggage weight. Examples are shown in the following illustration.

Steps for determining correct load limit

Example



ALM103572

1. Locate the statement "The combined weight of occupants and cargo should never exceed XXX lb or XXX kg" on your vehicle's placard.

Vehicle loading information

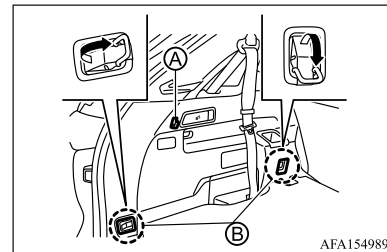
2. Determine the combined weight of the driver and passengers that will be riding in your vehicle.
3. Subtract the combined weight of the driver and passengers from XXX lb or XXX kg.
4. The resulting figure equals the available amount of cargo and luggage load capacity. For example, if the XXX amount equals 1,400 lb. and there will be five 150 lb. passengers in your vehicle, the amount of available cargo and luggage load capacity is 650 lb. ($1,400 - 750 (5 \times 150) = 650$ lb)
5. Determine the combined weight of luggage and cargo being loaded on the vehicle. That weight may not safely exceed the available cargo and luggage load capacity calculated in Step 4.
6. If your vehicle will be towing a trailer, load from your trailer will be transferred to your vehicle. Consult this manual to determine how this reduces the available cargo and luggage load capacity of your vehicle.

Before driving a loaded vehicle, confirm that you do not exceed the Gross Vehicle Weight Rating (GVWR) or the Gross Axle Weight Rating (GAWR) for your vehicle. (See "Mea-

surement of weights" on page 614.)

Also check tires for proper inflation pressures. See the Tire and Loading Information placard.

Securing the load



There are luggage hooks (A) (B) located in the cargo area as shown. The hooks can be used to secure cargo with ropes or other types of straps.

Do not apply a total load of more than 6.6 lb (3 kg) for hook (A) or 44 lb (20 kg) for hook (B) to

a single hook when securing cargo.

WARNING

- 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.
- The child restraint top tether strap may be damaged by contact with items in the cargo area. Secure any items in the cargo area. Your child could be seriously injured or killed in a collision if the top tether strap is damaged.
- Do not load your vehicle any heavier than the GVWR or the maximum front and rear GAWRs. If you do, parts of your vehicle can break, tire damage could occur, or it can change the way your vehicle handles. This could result in loss of control and cause personal injury.

Loading tips

- The GVW must not exceed GVWR or GAWR as specified on the F.M.V.S.S./C.M.V.S.S. certification label.
- Do not load the front and rear axle to the GAWR. Doing so will exceed the GVWR.

WARNING

- 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.

WARNING

- Do not load your vehicle any heavier than the GVWR or the maximum front and rear GAWRs. If you do, parts of your vehicle can break, tire damage could occur, or it can change the way your vehicle handles. This could result in loss of control and cause personal injury.

WARNING

● **Overloading not only can shorten the life of your vehicle and the tire, but can cause unsafe vehicle handling and longer braking distances. This may cause a premature tire failure, which could result in a serious accident and personal injury. Failures caused by overloading are not covered by the vehicle's warranty.**

Measurement of weights

N08201400038

Secure loose items to prevent weight shifts that could affect the balance of your vehicle. When the

vehicle is loaded, drive to a scale and weigh the front and the rear wheels separately to determine axle loads. Individual axle loads should not exceed either of the Gross Axle Weight Ratings (GAWR). The total of the axle loads should not exceed the Gross Vehicle Weight Rating (GVWR). These ratings are given on the vehicle certification label. If weight ratings are exceeded, move or remove items to bring all weights below the ratings.

Towing a trailer

N08201500042

WARNING

Overloading or improper loading of a trailer and its cargo can adversely affect vehicle handling, braking and performance and may lead to accidents.

CAUTION

- Do not tow a trailer or haul a heavy load for the first 500 miles (800 km). Your Plug-in Hybrid System, axle or other parts could be damaged.
- For the first 500 miles (800 km) that you tow a trailer, do not drive over 50 MPH (80 km/h) and do not make starts at full throttle. This helps the Plug-in Hybrid System and other parts of your vehicle wear in at the heavier loads.

Your new vehicle was designed to be used primarily to carry passengers and cargo. Remember that towing a trailer places additional loads on your vehicle's

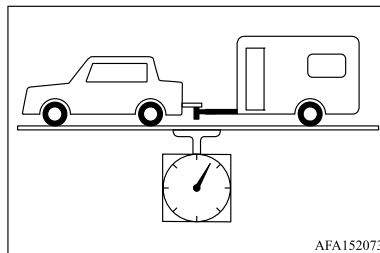
Plug-in Hybrid System, drivetrain, steering, braking and other systems.

Maximum load limits

Maximum trailer loads

Never allow the total trailer load to exceed the value specified in the "Towing load/specification" on page 618. The total trailer load equals trailer weight plus its cargo weight.

The maximum Gross Combined Weight Rating (GCWR) should not exceed the value specified in the following "Towing Load/Specification" chart.



The GCWR equals the combined weight of the towing vehicle (including passengers and cargo) plus the total trailer load. Towing loads greater than these or using improper towing equipment could adversely affect vehicle handling, braking and performance.

The ability of your vehicle to tow a trailer is not only related to the maximum trailer loads, but also the places you plan to tow. Tow weights appropriate for level highway driving may have to be reduced on very steep grades or for low traction situations (for example, on slippery boat ramps).

Temperature conditions can also affect towing. For example, towing a heavy trailer in high outside temperatures on graded roads can affect drive performance and cause overheating. The transaxle high fluid temperature and Plug-in Hybrid System protection mode, which helps reduce the chance of transaxle and Plug-in Hybrid System damage, could activate and automatically decrease drive power. Vehicle speed may decrease under high load. Plan your trip carefully to account for trailer and vehicle load, weather and road conditions.

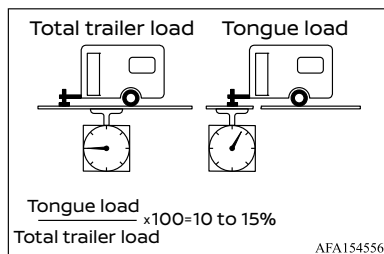
⚠ WARNING

Overheating can result in reduced drive power and vehicle speed. The reduced speed may be lower than other traffic, which could increase the chance of a collision. Be especially careful when driving. If the vehicle cannot maintain a safe driving speed, pull to the side of the road in a safe area. Allow the Plug-in Hybrid system to cool and return to normal operation. See "If your vehicle overheats" on page 524.

⚠ CAUTION

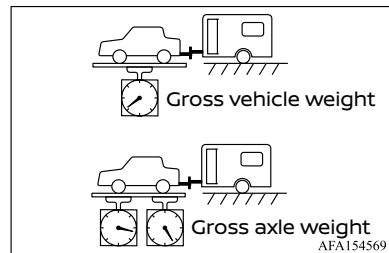
Vehicle damage resulting from improper towing procedures is not covered by NISSAN warranties.

Tongue load



When using a weight carrying or a weight distributing hitch, keep the tongue load between 10 to 15% of the total trailer load or use the trailer tongue load specified by the trailer manufacturer. The tongue load must be within the maximum tongue load limits shown in the following "Towing Load/Specification" chart. If the tongue load becomes excessive, rearrange cargo to allow for proper tongue load.

Maximum Gross Vehicle Weight (GVW)/maximum Gross Axle Weight (GAW)



The GVW of the towing vehicle must not exceed the Gross Vehicle Weight Rating (GVWR) shown on the F.M.V.S.S./C.M.V.S.S. certification label. The GVW equals the combined weight of the unloaded vehicle, passengers, luggage, hitch, trailer tongue load and any other optional equipment. In addition, front or rear GAW must not exceed the Gross Axle Weight Rating (GAWR) shown on the

F.M.V.S.S./C.M.V.S.S. certification label.

Towing capacities are calculated assuming a base vehicle with driver and any options required to achieve the rating. Additional passengers, cargo and/or optional equipment, such as the trailer hitch, will add weight to the vehicle and reduce your vehicle's maximum towing capacity and trailer tongue load.

The vehicle and trailer need to be weighed to confirm the vehicle is within the GVWR, Front GAWR, Rear GAWR, Gross Combined Weight Rating (GCWR) and Towing capacity.

All vehicle and trailer weights can be measured using platform type scales commonly found at truck stops, highway weigh stations, building supply centers or salvage yards.

To determine the available payload capacity for tongue/king pin load, use the following procedure.

1. Locate the GVWR on the F.M.V.S.S./C.M.V.S.S. certification label.
2. Weigh your vehicle on the scale with all of the passengers and cargo that are normally in the vehicle when towing a trailer.
3. Subtract the actual vehicle weight from the GVWR. The remaining amount is the available maximum tongue/king pin load.

To determine the available towing capacity, use the following procedure.

1. Find the GCWR for your vehicle on the "Towing Load/Specification" chart found later in this section.
2. Subtract the actual vehicle weight from the GCWR. The remaining amount is the available maximum towing capacity.

To determine the Gross Trailer Weight, weigh your trailer on a scale with all equipment and

cargo, that are normally in the trailer when it is towed. Make sure the Gross trailer weight is not more than the Gross Trailer Weight Rating shown on the trailer and is not more than the calculated available maximum towing capacity.

Also weigh the front and rear axles on the scale to make sure the Front Gross Axle Weight and Rear Gross Axle Weight are not more than Front Gross Axle Weight and Rear Gross Axle Weight on the F.M.V.S.S./C.M.V.S.S. certification label. The cargo in the trailer and vehicle may need to be moved or removed to meet the specified ratings.

Example:

- Gross Vehicle Weight (GVW) as weighed on a scale - including passengers, cargo and hitch - 6,350 lb. (2,880 kg).
- Gross Vehicle Weight Rating (GVWR) from F.M.V.S.S./C.M.V.S.S. certification label - 7,250 lb. (3,289 kg).

Towing a trailer

- Gross Combined Weight Rating (GCWR) from "Towing Load/Specification" chart - 15,100 lb. (6,849 kg).
- Maximum Trailer towing capacity from "Towing Load/Specification" chart - 9,100 lb (4,128 kg).

7,250 lb.
(3,289 kg)

GVWR

- 6,350 lb.
(2,880 kg)

GVW

= 900 lb.
(409 kg)

Available for
tongue weight

15,100 lb.
(6,849 kg)

GCWR

- 6,350 lb.
(2,880 kg)

GVW

= 9,123 lb.
(4,138 kg)

Capacity avail-
able for towing

900 lb.
(409 kg) /
8,750 lb.
(3,969 kg)

Available
tongue weight
Available
capacity

= 10 % tongue
weight

The available towing capacity may be less than the maximum towing capacity due to the passenger and cargo load in the vehicle.

Remember to keep trailer tongue weight between 10 - 15% of the trailer weight or within the trailer tongue load specification recommended by the trailer manufacturer. If the tongue load becomes excessive, rearrange the cargo to obtain the proper tongue load. Do not exceed the maximum tongue weight specification shown in the "Towing load/specification" chart even if the calculated available tongue weight is greater than 15%. If the calculated tongue weight is less than 10%, reduce

the total trailer weight to match the available tongue weight. Always verify that available capacities are within the required ratings.

Towing load/specification

N08201600085

WARNING

The towing capacities provided in this manual are for general reference only. The safe towing capacity of your vehicle is affected by dealer and factory installed options and passenger and cargo loads. You must weigh the vehicle and trailer as described in this manual to determine the actual vehicle towing capacity.

⚠ WARNING

Do not exceed the published maximum towing capacity, or the GCWR or the GVWR shown on the F.M.V.S.S./C.M.V.S.S. certification label. Doing so can result in an accident causing serious personal injury or property damage.

**Towing load/
specification chart**

Maximum Towing Capacity*1	1,500 lb (680 kg)
Maximum Tongue Load	150 lb (68 kg)

**Towing load/
specification chart**

Maximum Gross Combined Weight Rating	6,721 lb (3,048 kg)

1. The towing capacity values are calculated assuming a base vehicle with driver and one passenger and any options required to achieve the rating. Additional passengers, cargo and/or optional equipment will add weight to the vehicle and reduce your vehicle's maximum towing capacity.

For optimal towing performance up steep grades, a minimum energy level of 4 bars is recommended.

In case of power reduced warning light turns on due to power limitation, vehicle speed will not increase even if the accelerator pedal is depressed. For additional information about "Power Reduced" warning on vehicle information display, refer to "Vehicle information display warnings and indicators" on page 187.

Towing safety

N08201700060

Trailer hitch

Choose a proper hitch for your vehicle and trailer. Make sure the trailer hitch is securely attached to the vehicle to help avoid personal injury or property damage due to sway caused by crosswinds, rough road surfaces or passing trucks.

WARNING

Trailer hitch components have specific weight ratings. Your vehicle may be capable of towing a trailer heavier than the weight rating of the hitch components. Never exceed the weight rating of the hitch components. Doing so can cause serious personal injury or property damage.

Hitch ball

Choose a hitch ball of the proper size and weight rating for your trailer:

- The required hitch ball size is stamped on most trailer couplers. Most hitch balls also have the size printed on top of the ball.
- Choose the proper class hitch ball based on the trailer weight.
- The diameter of the threaded shank of the hitch ball must be matched to the ball mount hole diameter. The hitch ball shank should be no more than 1/16" smaller than the hole in the ball mount.
- The threaded shank of the hitch ball must be long enough to be properly secured to the ball mount. There should be at least 2 threads showing beyond the lock washer and nut.

Ball mount

The hitch ball is attached to the ball mount and the ball mount is inserted into the hitch receiver. Choose a proper class ball mount based on the trailer weight. Additionally, the ball mount should be chosen to keep the trailer tongue level with the ground.

Weight carrying hitches

A weight carrying or "dead weight" ball mount is one that is designed to carry the whole amount of tongue weight and gross weight directly on the ball mount and on the receiver.

Weight distribution hitch

This type of hitch is also called a "load-leveling" or "equalizing" hitch. A set of bars attach to the ball mount and to the trailer to distribute the tongue weight (hitch weight) of your trailer. Many

vehicles cannot carry the full tongue weight of a given trailer, and need some of the tongue weight transferred through the frame and pushing down on the front wheels. This gives stability to the tow vehicle.

A weight-distributing hitch system (Class IV) is recommended if you plan to tow trailers with a maximum weight over 5,000 lb (2,267 kg). Check with the trailer and towing equipment manufacturers to determine if they recommend the use of a weight-distributing hitch system.



NOTE

A weight-distributing hitch system may affect the operation of trailer surge brakes. If you are considering use of a weight-distributing hitch system with a surge brake-equipped trailer, check with the surge brake, hitch or trailer manufacturer to determine if and how this can be done.

Follow the instructions provided by the manufacturer for install-

ing and using the weight-distributing hitch system. General set-up instructions are as follows:

1. Park unloaded vehicle on a level surface. With the push-button power switch in the ON position and the doors closed, allow the vehicle to stand for several minutes so that it can level.
2. Measure the height of a reference point on the front and rear bumpers at the center of the vehicle.
3. Attach the trailer to the vehicle and adjust the hitch equalizers so that the front bumper height is within 0 - .5 inches (0 - 13 mm) of the reference height measured in step 2. The rear bumper should be no higher than the reference height measured in step 2.

WARNING

Properly adjust the weight distributing hitch so the rear of the bumper is no higher than the measured reference height when the trailer is attached. If the rear bumper is higher than the measured reference height when loaded, the vehicle may handle unpredictably which could cause a loss of vehicle control and cause serious personal injury or property damage.

Sway control device

Sudden maneuvers, wind gusts and buffeting caused by other vehicles can affect trailer handling. Sway control devices may be used to help control these affects. If you choose to use one, contact a reputable trailer hitch supplier to make sure the sway control device will work with the vehicle, hitch, trailer and the trailer's brake system. Follow the instructions provided by the

Towing a trailer

manufacturer for installing and using the sway control device.

Class I hitch

Class I trailer hitch equipment (receiver, ball mount and hitch ball) can be used to tow trailers of a maximum weight of 2,000 lb (907 kg).

Class II hitch

Class II trailer hitch equipment (receiver, ball mount and hitch ball) can be used to tow trailers of a maximum weight of 3,500 lb (1,588 kg).

Class III hitch

Class III trailer hitch equipment (receiver, ball mount and hitch ball) can be used to tow trailers of a maximum weight of 5,000 lb (2,267 kg).

Class IV hitch

Class IV trailer hitch equipment (receiver, ball mount and hitch ball) can be used to tow trailers of a maximum weight of 10,000 lb (4,545 kg). A weight distributing hitch should be used to tow trailers that weigh over 5,000 lb (2,267 kg).

Your vehicle may be equipped with Class IV trailer hitch equipment that has a 10,000 lb (4,545 kg) maximum weight rating, but your vehicle is only capable of towing the maximum trailer weights shown in the "Towing Load/Specification" chart earlier in this section.

CAUTION

- Do not use axle-mounted hitches.
- Do not modify the vehicle exhaust system, brake system, etc.

Tire pressures

- When towing a trailer, inflate the vehicle tires to the recommended cold tire pressure indicated on the Tire and Loading Information placard.
- Trailer tire condition, size, load rating and proper inflation pressure should be in accordance with the trailer and tire manufacturers' specifications.

Safety chains

Always use a suitable chain between your vehicle and the trailer. The safety chains should be crossed and should be attached to the hitch, not to the vehicle bumper or axle. Be sure to leave enough slack in the chains to permit turning corners.

Trailer lights (if so equipped)

CAUTION

When splicing into the vehicle electrical system, a commercially available power-type module/converter must be used to provide power for all trailer lighting. This unit uses the vehicle battery as a direct power source for all trailer lights while using the vehicle tail light, stoplight and turn signal circuits as a signal source. The module/converter must draw no more than 15 milliamps from the stop and tail light circuits. Using a module/converter that exceeds these power requirements may damage the vehicle's electrical system. See a reputable trailer retailer to obtain the proper equipment and to have it installed.

Trailer lights should comply with federal and/or local regulations. For assistance in hooking up trailer lights, it is recommended you contact a Nissan Electric Vehicle certified dealer or reputable trailer retailer.

Trailer brakes

When towing a trailer load of 3,500 lb (1,587 kg) or more, trailers with a brake system MUST be used. However, most states require a separate braking system on trailers with a loaded weight above a specific amount. Make sure the trailer meets the local regulations and the regulations where you plan to tow. Several types of braking systems are available.

Surge Brakes - The surge brake actuator is mounted on the trailer tongue with a hydraulic line running to each trailer wheel. Surge brakes are activated by the trailer pushing against the hitch ball when the tow vehicle is braking. Hydraulic surge brakes are common on rental trailers and some boat trailers. In this type of system, there is no hydraulic or electric connection for brake operation between the tow vehicle and the trailer.

Electric Trailer Brakes - Electric braking systems are activated by an electronic signal sent from a trailer brake controller (special brake sensing module). Have a professional supplier of towing equipment make sure the trailer brakes are properly installed and demonstrate proper brake function testing.

WARNING

Never connect a trailer brake system directly to the vehicle brake system.

Pre-towing tips

- Be certain your vehicle maintains a level position when a loaded or unloaded trailer is hitched. Do not drive the vehicle if it has an abnormal nose-up or nose-down condition; check for improper tongue load, overload, worn suspension or other possible causes of either condition.

Towing a trailer

- Always secure items in the trailer to prevent load shift while driving.
- Keep the cargo load as low as possible in the trailer to keep the trailer center of gravity low.
- Load the trailer so approximately 60% of the trailer load is in the front half and 40% is in the back half. Also make sure the load is balanced side to side.
- Check your hitch, trailer tire pressure, vehicle tire pressure, trailer light operation, and trailer wheel lug nuts every time you attach a trailer to the vehicle.
- Be certain your rearview mirrors conform to all federal, state or local regulations. If not, install any mirrors required for towing before driving the vehicle.
- Determine the overall height of the vehicle and trailer so the required clearance is known.

Trailer towing tips

In order to gain skill and an understanding of the vehicle's behavior, you should practice turning, stopping and backing up in an area which is free from traffic. Steering stability, and braking performance will be somewhat different than under normal driving conditions.

- Always secure items in the trailer to prevent load shift while driving.
- Lock the trailer hitch coupler with a pin or lock to prevent the coupler from inadvertently becoming unlatched.
- Avoid abrupt starts, acceleration or stops.
- Avoid sharp turns or lane changes.
- Always drive your vehicle at a moderate speed. Some states or provinces have specific speed limits for vehicles that are towing trailers. Obey the local speed limits.

- When backing up, hold the bottom of the steering wheel with one hand. Move your hand in the direction in which you want the trailer to go. Make small corrections and back up slowly. If possible, have someone guide you when you are backing up.

Always block the wheels on both vehicle and trailer when parking. Parking on a slope is not recommended; however, if you must do so:

CAUTION

If you push the electrical parking switch to shift to the P (Park) position before blocking the wheels and applying the parking brake, transaxle damage could occur.

1. Apply and hold the brake pedal.
2. Have someone place blocks on the downhill side of the vehicle and trailer wheels.

3. After the wheel blocks are in place, slowly release the brake pedal until the blocks absorb the vehicle load.
4. Apply the parking brake.
5. Push the electrical parking switch to shift to the P (Park) position.
6. Turn off the Plug-in Hybrid system.

To drive away:

1. Apply and hold the brake pedal.
2. Start the Plug-in Hybrid system.
3. Shift the transaxle into gear.
4. Release the parking brake.
5. Drive slowly until the vehicle and trailer are clear from the blocks.
6. Apply and hold the brake pedal.
7. Have someone retrieve and store the blocks.

- While going downhill, the weight of the trailer pushing on the tow vehicle may decrease overall stability. Therefore, to maintain adequate control, reduce your speed and shift to a lower gear. Avoid long or repeated use of the brakes when descending a hill, as this reduces their effectiveness and could cause overheating. Shifting to a lower gear instead provides “regenerative braking” and reduces the need to brake as frequently.
- If the engine coolant temperature rises to a high temperature, see “If your vehicle overheats” on page 524.
- Trailer towing requires more fuel than normal circumstances.
- Avoid towing a trailer for your vehicle’s first 500 miles (800 km).
- For the first 500 miles (800 km) that you do tow, do not drive over 50 MPH (80 km/h).

- Have your vehicle serviced more often than at intervals specified in the recommended maintenance schedule.
- When making a turn, your trailer wheels will be closer to the inside of the turn than your vehicle wheels. To compensate for this, make a larger than normal turning radius during the turn.
- Crosswinds and rough roads will adversely affect vehicle/trailer handling, possibly causing vehicle sway. When being passed by larger vehicles, be prepared for possible changes in crosswinds that could affect vehicle handling.

Do the following if the trailer begins to sway:

1. Take your foot off the accelerator pedal to allow the vehicle to coast and steer as straight ahead as the road conditions allow. This combination will help stabilize the vehicle.

Towing a trailer

- Do not correct trailer sway by steering or applying the brakes.
- 2. When the trailer sway stops, gently apply the brakes and pull to the side of the road in a safe area.
- 3. Try to rearrange the trailer load so it is balanced as described earlier in this section.

NOTE

For Trailer Sway Control, refer to "Trailer Sway Control" on page 499.

- Be careful when passing other vehicles. Passing while towing a trailer requires considerably more distance than normal passing. Remember the length of the trailer must also pass the other vehicle before you can safely change lanes.
- Downshift the transaxle to a lower gear for regenerative braking when driving down steep or long hills. This will help slow the vehicle without applying the brakes.
- Avoid holding the brake pedal down too long or too frequently. This could cause the brakes to overheat, resulting in reduced braking efficiency.
- Increase your following distance to allow for greater stopping distances while towing a trailer. Anticipate stops and brake gradually.
- NISSAN recommends that the cruise control not be used while towing a trailer.
- While towing a trailer, do not use the following systems (if so equipped):
 - the Lane Departure Warning (LDW) system
 - the Intelligent Lane Intervention (I-LI) system
 - the Blind Spot Warning (BSW) / Intelligent Blind Spot Intervention (I-BSI) system
 - the Rear Cross Traffic Alert (RCTA) system
 - the Intelligent Cruise Control (ICC) system
 - the ProPILOT Assist system

- the Automatic Emergency Braking (AEB) with Pedestrian Detection system
- Intelligent Forward Collision Warning (I-FCW) system
- the Rear Automatic Braking (RAB) system
- Some states or provinces have specific regulations and speed limits for vehicles that are towing trailers. Obey the local speed limits.
- Check your hitch, trailer wiring harness connections, and trailer wheel lug nuts after 50 miles (80 km) of travel and at every break.
- When launching a boat, do not allow the water level to go over the exhaust tail pipe or rear bumper.
- Make sure you disconnect the trailer lights (if so equipped) before backing the trailer into the water or the trailer lights may burn out.

When towing a trailer, the transaxle fluid should be changed more frequently.

Flat towing

N08201800029

Flat towing for All-Wheel Drive vehicle

N08201900046

Towing your vehicle with all four wheels on the ground is sometimes called flat towing. This method is sometimes used when towing a vehicle behind a recreational vehicle, such as a motor home.

CAUTION

- Failure to follow these guidelines can result in severe transaxle damage.
- Never flat tow your All-Wheel Drive (AWD) vehicle.
- DO NOT tow your All-Wheel Drive (AWD) vehicle with any wheels on the ground. Doing so may cause serious and expensive damage to the powertrain.
- For emergency towing procedures refer to "Towing recommended by NISSAN" on page 526.

Uniform tire quality grading

N08202000028

DOT (Department Of Transportation) Quality Grades: All passenger car tires must conform to federal safety requirements in addition to these grades.

Quality grades can be found where applicable on the tire sidewall between tread shoulder and maximum section width. For example:

Treadwear 200 Traction AA Temperature A

Treadwear

The treadwear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course. For example, a tire graded 150 would wear one and one-half (1 1/2) times as well on the government course as a tire graded 100. The relative performance of

tires depends upon the actual conditions of their use, however, and may depart significantly from the norm due to variations in driving habits, service practices and differences in road characteristics and climate.

Traction AA, A, B and C

The traction grades, from highest to lowest, are AA, A, B and C. Those grades represent the tire's ability to stop on wet pavement as measured under controlled conditions on specified government test surfaces of asphalt and concrete. A tire marked C may have poor traction performance.

WARNING

The traction grade assigned to this tire is based on straight-ahead braking traction tests, and does not include acceleration, cornering, hydroplaning, or peak traction characteristics.

Temperature A, B and C

The temperature grades are A (the highest), B, and C, representing the tire's resistance to the generation of heat and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel. Sustained high temperature can cause the material of the tire to degenerate and reduce tire life, and excessive temperature can lead to sudden tire failure. The grade C corresponds to a level of performance which all passenger car tires must meet under the Federal Motor Vehicle Safety Standard No. 109. Grades B and A represent higher levels of performance on the laboratory test wheel than the minimum required by law.

WARNING

The temperature grade for this tire is established for a tire that is properly inflated and not overloaded. Excessive speed, underinflation, or excessive loading, either separately or in combination, can cause heat build-up and possible tire failure.

Emission control system maintenance

N08202100058

Your vehicle is covered by the following emission warranties.

- Emission Defects Warranty
- Emissions Performance Warranty

Reporting Safety Defects

N08202200075

For USA

If you believe that your vehicle has a defect which could cause a crash or

could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying NISSAN.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or NISSAN. To contact NHTSA, you may call the Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY: 1-888-275-9171); go to <http://www.safercar.gov>;

or write to: Administrator, NHTSA, 1200 New Jersey Avenue, SE Washington, D.C. 20590. You can also obtain other information about motor vehicle safety from <http://www.safercar.gov>.

You may notify NISSAN by contacting our Consumer Affairs Department, toll-free, at 1-800-NISSAN-1.

For Canada

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform Transport Canada in addition to notifying NISSAN.

If Transport Canada receives complaints, it may open an investigation, and

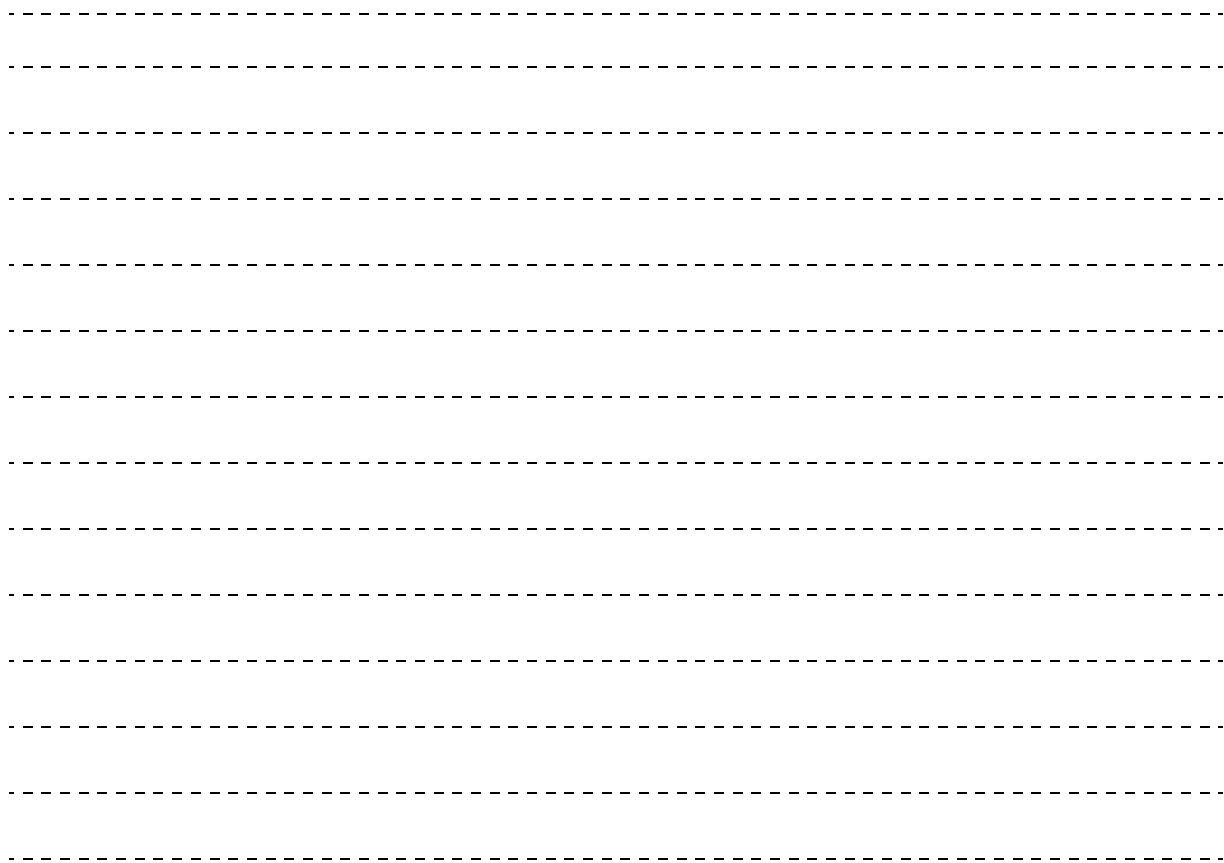
if it finds that a safety defect exists in a group of vehicles, it may request that NISSAN conduct a recall campaign. However, Transport Canada cannot become involved in individual problems between you, your dealer, or NISSAN. You may contact Transport Canada's Defect Investigations and Recalls Division toll free at 1-800-333-0510. You may also report safety defects online at:

<http://www.tc.gc.ca/eng/motorvehicle-safety/menu.htm> (English speakers) or <http://www.tc.gc.ca/fra/securiteautomobile/menu.htm> (French speakers) Or contact

Transport Canada by mail at: Transport Canada Motor Vehicle Safety Investigations Laboratory 80 Noel Street Gatineau, QC J8Z0A1

Additional information concerning motor vehicle safety may be obtained from Transport Canada's Road Safety Information Centre at 1-800-333-0371 or online at www.tc.gc.ca/roadsafety (English speakers) or www.tc.gc.ca/securiteroutiere (French speakers).

To notify NISSAN of any safety concerns please contact our Consumer Information Centre toll free at 1-800-387-0122.



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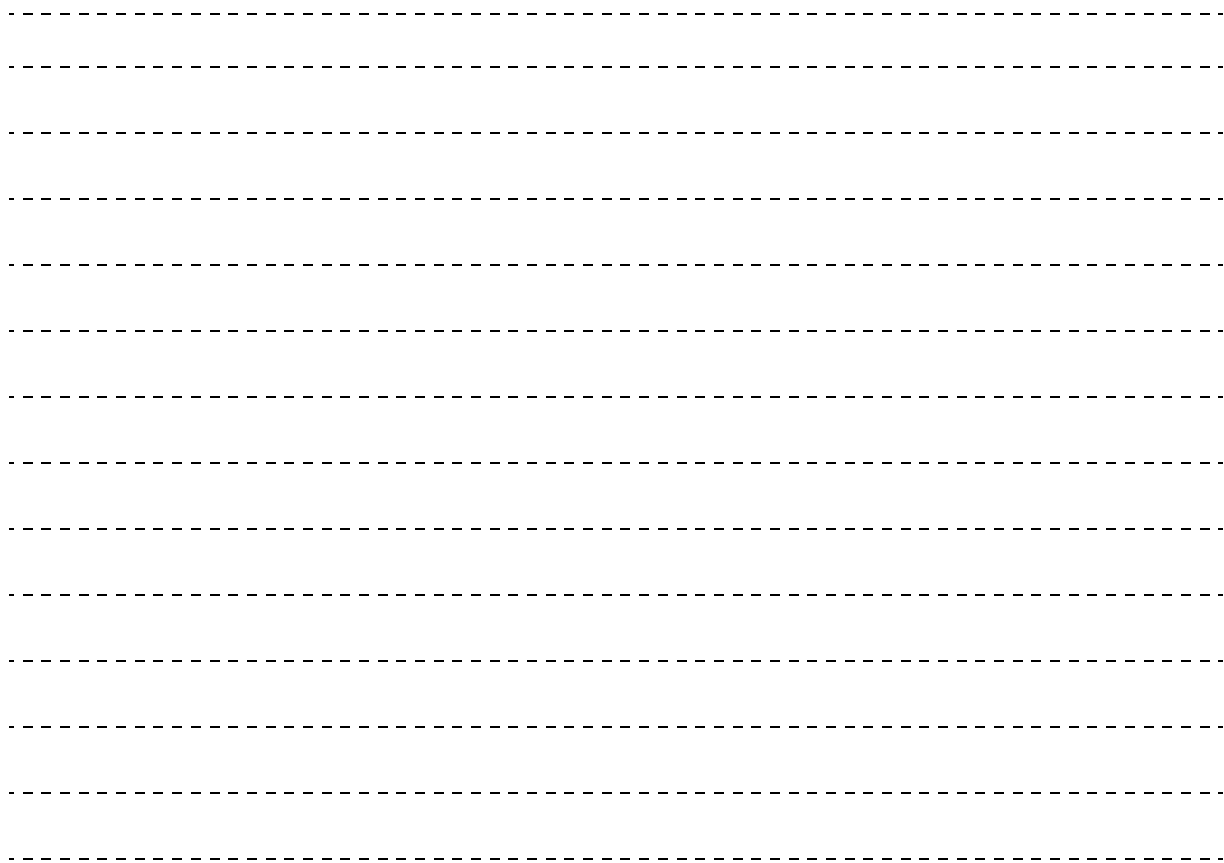
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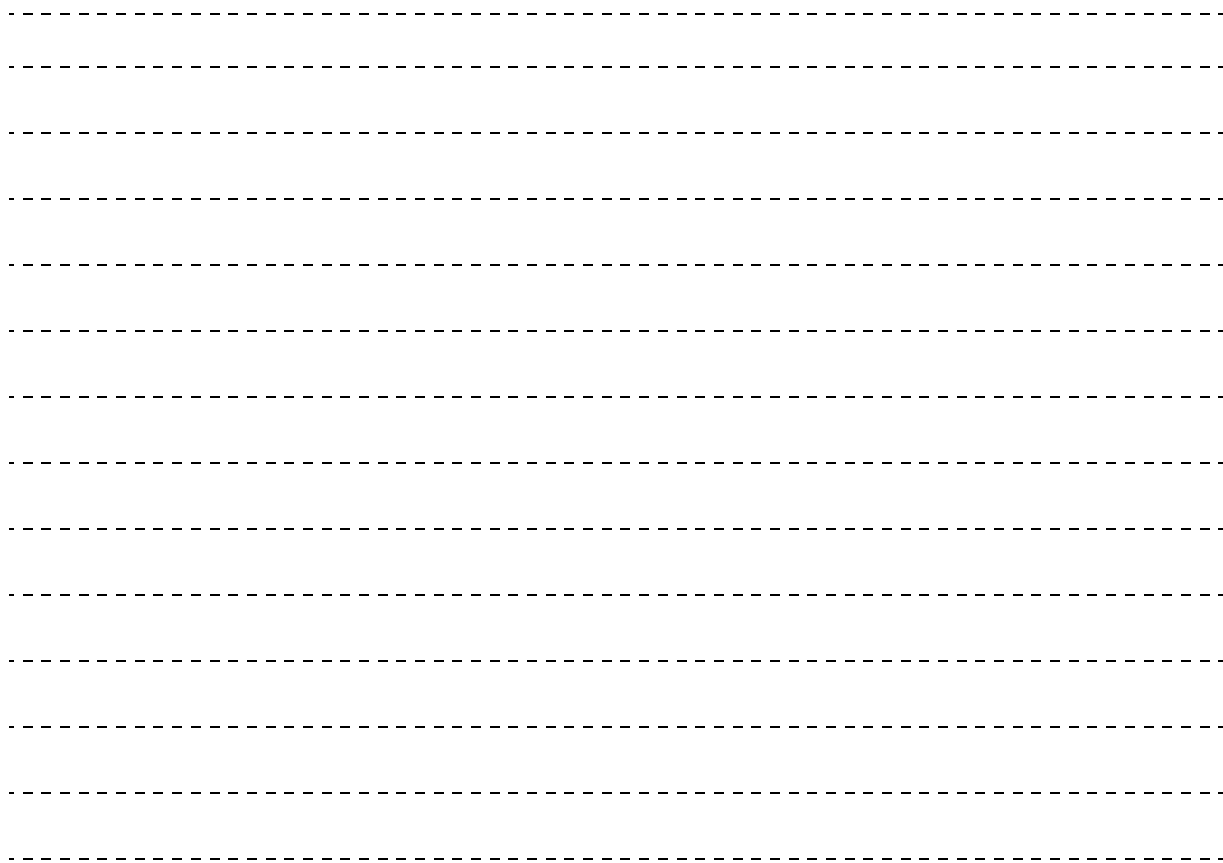
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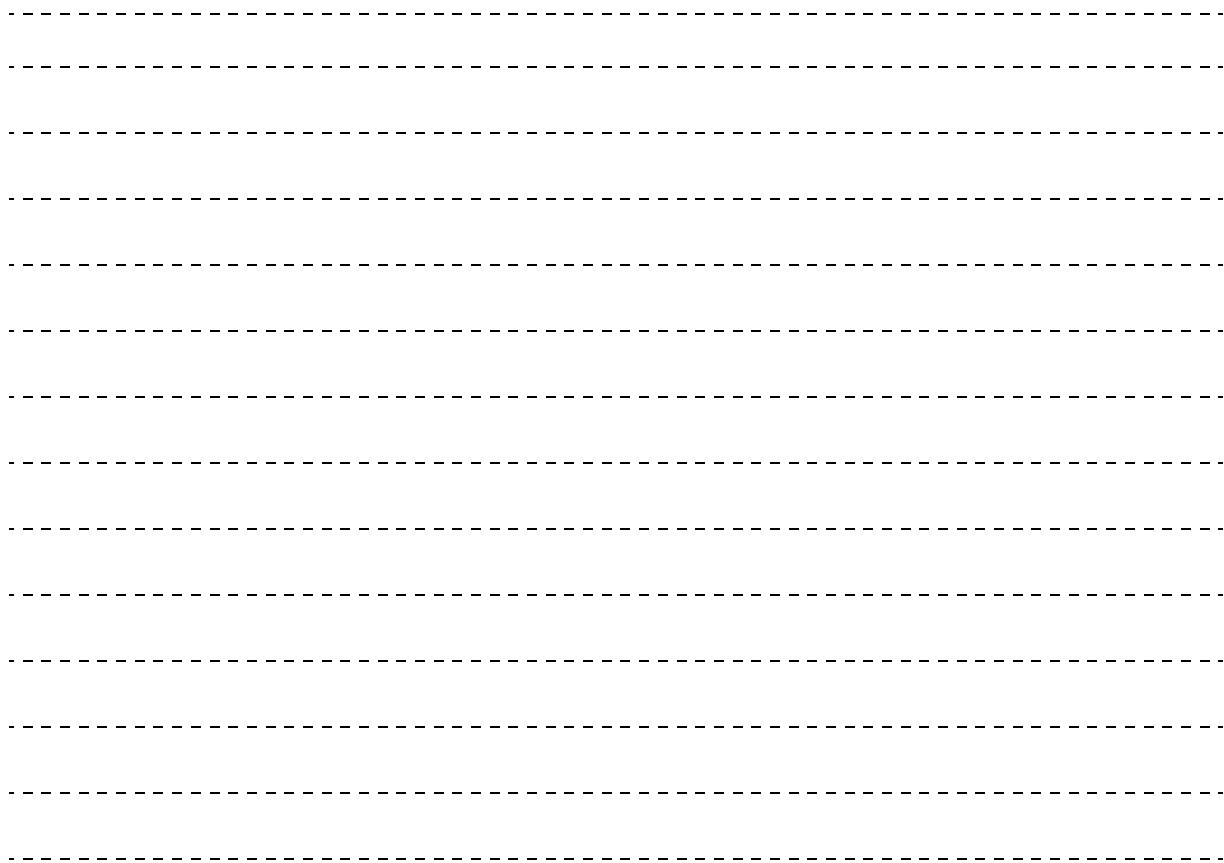
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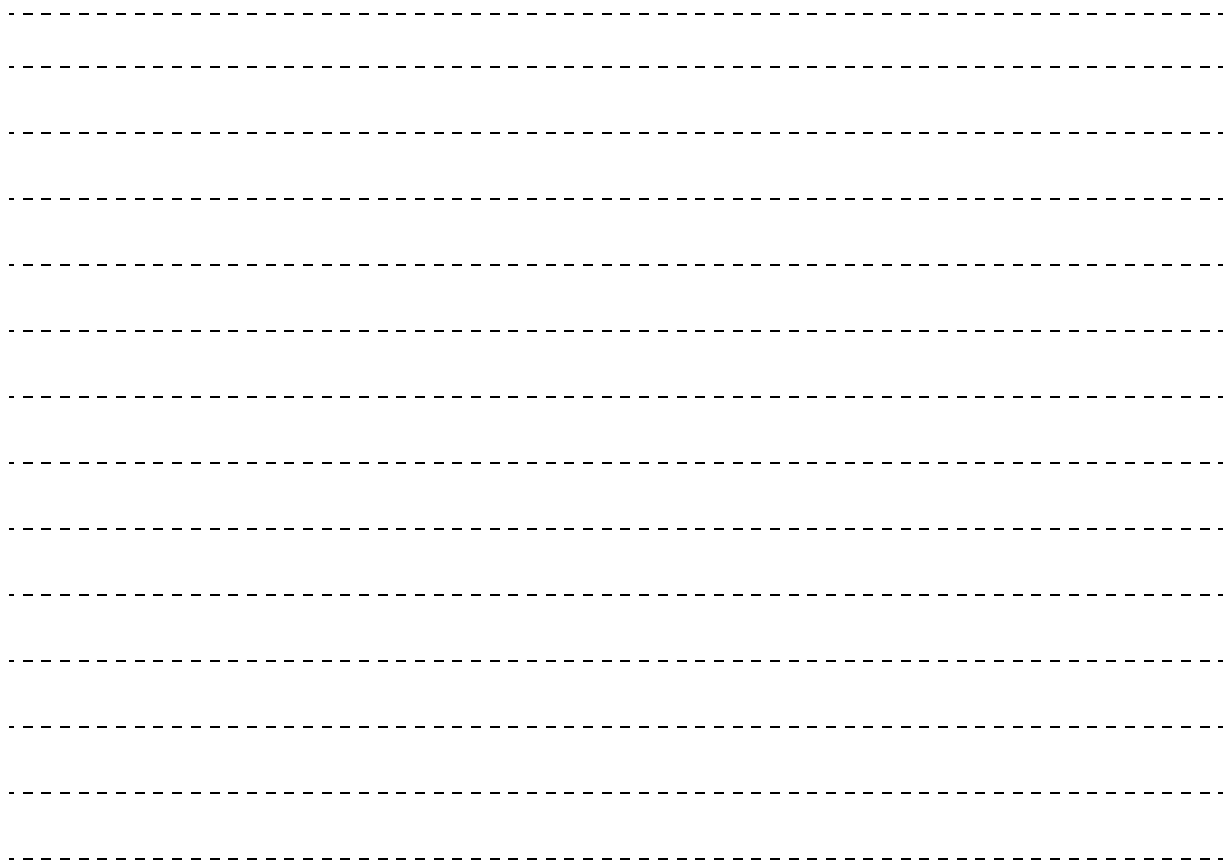
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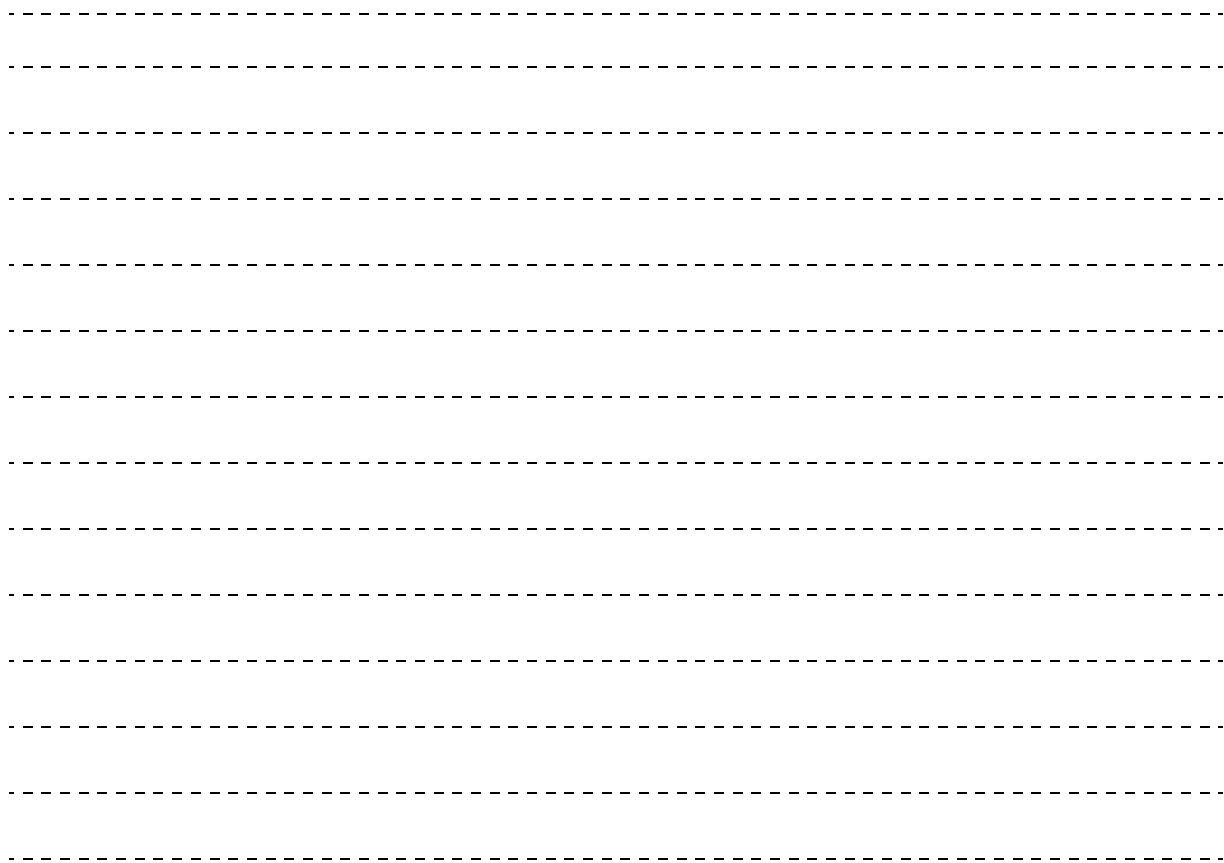
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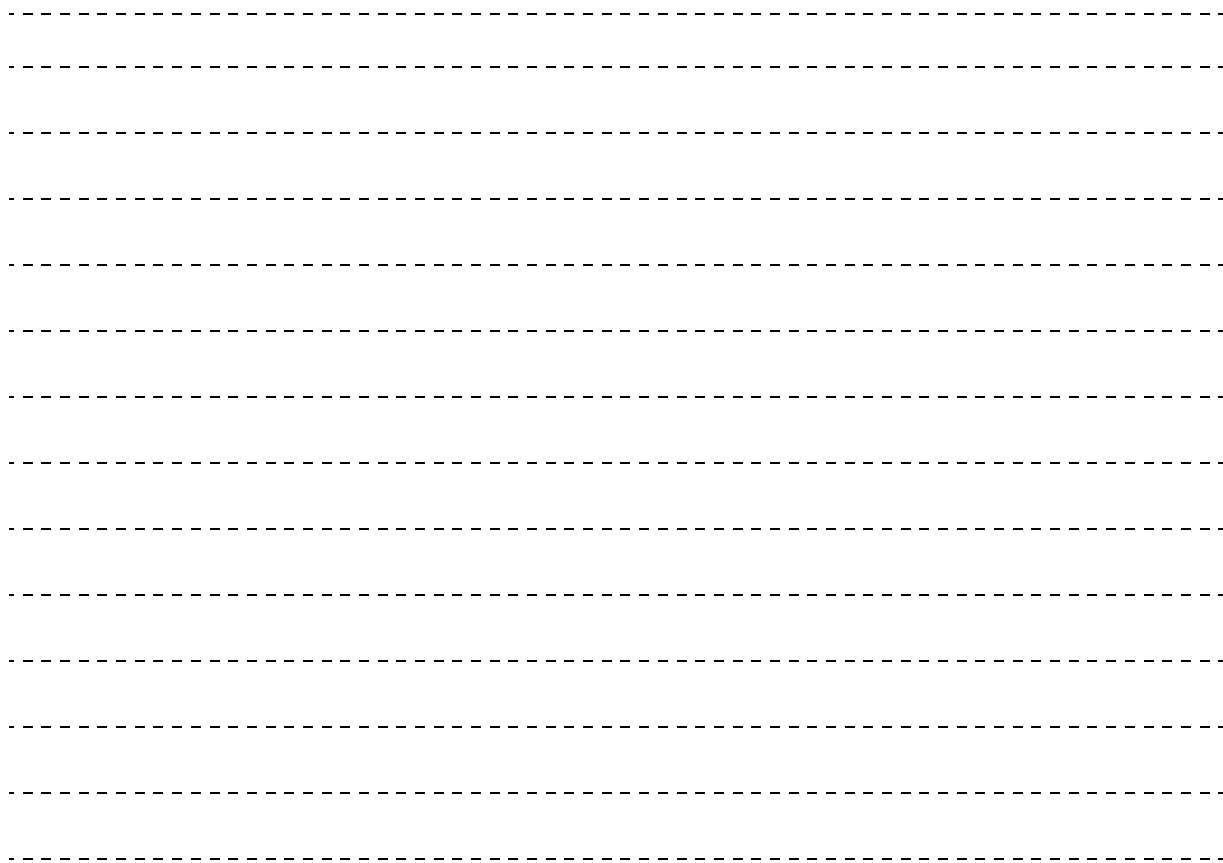


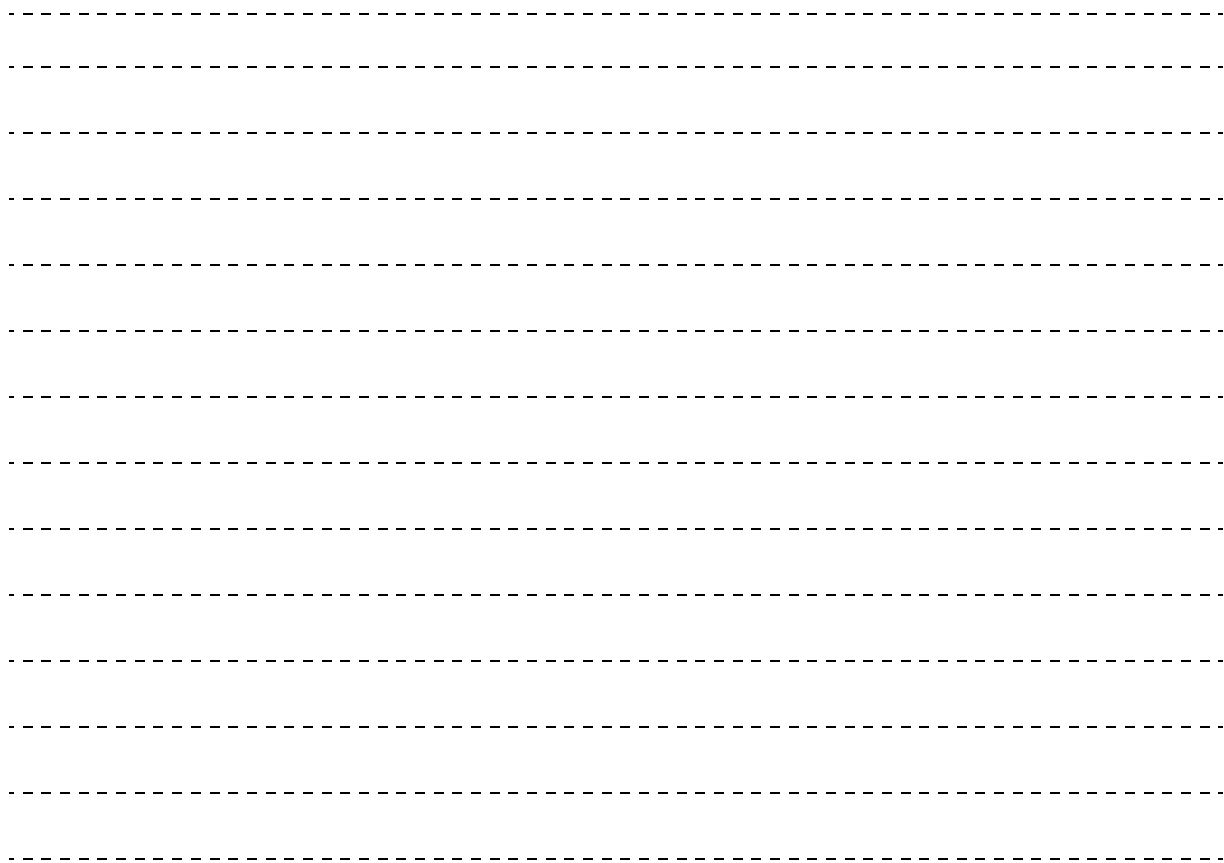














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